



The bidi *Package*

Documentation for version 3.1.5

to my Master, Ferdowsi The Great

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<https://github.com/tex-xet/bidi/issues>

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The *bid* Package

Bidirectional typesetting in plain T_EX and L^AT_EX, using XeT_EX engine

Documentation for [version 31.5](#)

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Introduction

bidi provides a convenient interface for typesetting bidirectional texts in plain TeX and L^AT_EX, using the XeTeX engine.

bidi Info On The Terminal and In The Log File

If you use bidi package to write any input TeX document, and then run xelatex on your document, bidi writes some information about itself to the terminal and to the log file. The information is something like:

```
*****
*
* bidi package (Bidirectional typesetting in
* plain TeX and LaTeX, using XeTeX engine)
*
* Description: A convenient interface for
* typesetting bidirectional texts in plain TeX
* and LaTeX. The package includes adaptations
* for use with many other commonly-used packages.
*
* Copyright (c) 2009--2017 Vafa Khalighi
*
* 2017/10/11, v31.5
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/bidi
*
* Issue tracker: https://github.com/tex-xet/bidi/issues
*
* Support: persian-tex@tug.org
*
*****
```

Part I

L^AT_EX Manual

1 Basics

1.1 Loading The Package

You can load the package in the ordinary way;



```
\usepackage [Options] {bidi}
```

Where options of the package are explained later in [subsection 1.5](#).
When loading the package, it is important to know that:

- ❶ bidi should be the last package that you load, because otherwise you are certainly going to overwrite bidi's definitions and consequently, you will not get the expected output.
- ❷ In fact, bidi makes sure that some specific packages are loaded before bidi; these are those packages that bidi modifies them for bidirectional typesetting. If you load bidi before any of these packages, then you will get an error saying that you should load bidi as your last package.

For instance, consider the following minimal example:

```
1 \documentclass{minimal}
2 \usepackage{bidi}
3 \usepackage{graphicx}
4 \begin{document}
5 This is just a test.
6 \end{document}
```

Where graphicx is loaded after bidi. If you run xelatex on this document, you will get an error which looks like this:

```
! Package bidi Error: Oops! you have loaded package graphicx after
bidi package. Please load package graphicx before bidi package, and
then try to run xelatex on your document again.

See the bidi package documentation for explanation.
Type H <return> for immediate help.
...

1.4 \begin{document}

?
```

1.2 bidi's Symbol

As you may know lion symbolizes T_EX but lion does not symbolizes bidi. **Simorgh**¹ (shown on the first page of this documentation) symbolizes bidi.

¹Simorgh is an Iranian benevolent, mythical flying creature which has been shown on the titlepage of this documentation. For more details see <http://en.wikipedia.org/wiki/Simurgh>



1.3 Commands for Version number, and Date of The Package

`\bidiversion` `\bididate`

☞ `\bidiversion` gives the current version of the package.

☞ `\bididate` gives the current date of the package.

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 This is typeset by \textsf{bidi} package, \bidiversion, \bididate.
5 \end{document}
```

1.4 Turning TeX--XeT features on and off

The bidirectional typesetting in Xe_{TeX} is based on TeX--XeT algorithm and bidi package automatically turns the feature on for typesetting bidirectional texts. As the internal data structures built by TeX--XeT differ from those built by T_EX, the typesetting of a document by TeX--XeT may therefore differ from that performed by T_EX. So you may notice that some packages behave differently when TeX--XeT feature is on and you may want to turn the feature off for a part of the text so that you get the default behaviour of original T_EX. Two commands are provided for this purpose:

`\TeXXeTOn` `\TeXXeTOff`

☞ `\TeXXeTOn` turns TeX--XeT feature on, which is active by default when bidi package is loaded.

☞ `\TeXXeTOff` turns TeX--XeT feature off.

1.5 Options of The Package

There are three options, namely `RTLdocument` and `rldocument`, which are essentially equivalent. If you pass any of these options to the package, you will be typesetting a document containing mainly RTL texts with some LTR texts. These options activate `\setRTL` (explained in [subsection 5.4](#)), `\RTLdblcol` (explained in [subsection 1.10](#)) and `\autofootnoterule` (explained in [subsubsection 1.9.1](#)).

It is clear that if you do not pass any of these options to the package, you will be typesetting a document containing mainly LTR texts with some RTL texts.

There is also `extrafootnotefeatures` option that allows footnotes to be typeset in different formats:



```

\normalfootnotes
\twocolumnfootnotes \threecolumnfootnotes \fourcolumnfootnotes
\fivecolumnfootnotes \sixcolumnfootnotes \sevendcolumnfootnotes
\eightcolumnfootnotes \nincolumnfootnotes \tencolumnfootnotes
\RTLcolumnfootnotes \LTRcolumnfootnotes
\paragraphfootnotes
\setLTRparagraphfootnotes \setRTLparagraphfootnotes

```

☞ `\normalfootnotes` typesets footnotes in Standard \LaTeX format.

☞ `\twocolumnfootnotes` to `\tencolumnfootnotes`, typeset footnotes in two-columns to ten-columns, respectively.

☞ `\RTLcolumnfootnotes` typesets footnotes columns RTL (first column on the RHS and each next column to the left of the previous column) and `\LTRcolumnfootnotes` typesets footnotes columns LTR (first column on the LHS and each next column to the right of the previous column). `\LTRcolumnfootnotes` is active by default.

☞ `\paragraphfootnotes` typesets footnotes in paragraph format.

☞ `\setLTRparagraphfootnotes` makes footnotes run from left to right. This command is active by default.

☞ `\setRTLparagraphfootnotes` makes footnotes run from right to left.

Please note that when using `extrafootnotefeatures` option, the footnote rule will be as wide as the text width and `\autofootnoterule`, `\rightfootnoterule`, `\leftfootnoterule`, and `\textwidthfootnoterule` commands have no effects. Please also note that if you redefine `\baselinestretch` command or change the value of `\baselineskip` primitive before `\paragraphfootnotes` command, then you may get Arithmetic Overflow error. You should change these after using `\paragraphfootnotes` command.

1.6 Paragraph Switching Commands

```

\setLTR \setLR \unsetRL \unsetRTL
\setRTL \setRL \unsetLTR

```

☞ With any of the commands in the first row, you can typeset LTR paragraphs.

☞ With any of the commands in the second row, you can typeset RTL paragraphs.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \setRTL%

```



```

5 Anyone who reads Old and Middle English literary texts will be
6 familiar with the mid-brown volumes of the EETS, with the symbol
7 of Alfred's jewel embossed on the front cover.
8
9 \setLTR% Notice the blank line before \setLTR
10 Anyone who reads Old and Middle English literary texts will be
11 familiar with the mid-brown volumes of the EETS, with the symbol
12 of Alfred's jewel embossed on the front cover.
13 \end{document}

```

1.7 Paragraph Switching Environments

```

\begin{LTR}  <text>  \end{LTR}
\begin{RTL}  <text>  \end{RTL}

```

☞ With LTR environment, you can typeset LTR paragraphs.

☞ With RTL environment, you can typeset RTL paragraphs.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \begin{RTL}
5 Anyone who reads Old and Middle English literary texts will be familiar
6 with the mid-brown volumes of the EETS, with the symbol
7 of Alfred's jewel embossed on the front cover.
8 \begin{LTR}
9 Anyone who reads Old and Middle English literary texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \end{LTR}
13 And we are still typesetting RTL.
14 \end{RTL}
15 \end{document}

```

1.8 Typesetting Short LTR and RTL Texts

```

\LRE{<text>}  \LR{<text>}
\RLE{<text>}  \RL{<text>}

```

☞ With any of the commands in the first row, you can typeset short LTR text inside RTL paragraphs.

☞ With any of the commands in the second row, you can typeset short RTL text inside LTR paragraphs.



```

1 \begin{document}
2 \begin{RTL}
3 Anyone who reads Old and Middle English \LRE{Short LTR text} literary
4 texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol
6 of Alfred's jewel embossed on the front cover.
7 \begin{LTR}
8 Anyone who reads Old and Middle English \RLE{Short RTL text} literary
9 texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \end{LTR}
13 \end{RTL}
14 \end{document}

```

1.9 Footnotes

```

\footnote [num] {<text>} \LTRfootnote [num] {<text>} \RTLfootnote [num] {<text>}
\setfootnoteRL \setfootnoteLR \unsetfootnoteRL
\thanks{<text>} \LTRthanks{<text>} \RTLthanks{<text>}

```

- ☞ `\footnote` in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRfootnote` will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLfootnote` will always produce an RTL footnote, independent on the current mode.
- ☞ Specifying a `\setfootnoteRL` command anywhere will make `\footnote` produce an RTL footnote.
- ☞ Specifying either a `\setfootnoteLR` or an `\unsetfootnoteRL` command anywhere will make `\footnote` produce an LTR footnote.
- ☞ `\thanks` (to be used only inside `\author` or `\title` argument) in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRthanks` (to be used only inside `\author` or `\title` argument) will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLthanks` (to be used only inside `\author` or `\title` argument) will always produce an RTL footnote, independent on the current mode.



```
\footnotetext [num] {\text} \LTRfootnotetext [num] {\text}
\RTLfootnotetext [num] {\text}
```

- ☞ `\footnotetext` used in conjunction with `\footnotemark`, in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRfootnotetext` used in conjunction with `\footnotemark`, will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLfootnotetext` used in conjunction with `\footnotemark`, will always produce an RTL footnote, independent on the current mode.

1.9.1 Footnote Rule

The behavior of footnote rules can also be controlled.

```
\autofootnoterule \rightfootnoterule \leftfootnoterule
\LRfootnoterule \textwidthfootnoterule \SplitFootnoteRule
\debugfootnotedirection
```

- ☞ `\autofootnoterule` will draw the footnote rule right or left aligned based on the direction of the first footnote following the rule (i.e., put in the current page).
- ☞ `\rightfootnoterule` will put footnote rule on the right-hand side.
- ☞ `\leftfootnoterule` or `\LRfootnoterule` will put footnote rule on the left-hand side.
- ☞ `\textwidthfootnoterule` will draw the footnote rule with a width equal to `\textwidth`.
- ☞ `\SplitFootnoteRule` puts a full-width rule above the split-off part of a split footnote.
- ☞ `\debugfootnotedirection` writes the direction of the first footnote on each page, in the log file.

1.10 Two Column Typesetting

```
\RTLdblcol \LTRdblcol
```

If you pass the `twocolumn` option to the class file and if the main direction of the document is RTL, then you get RTL two column and if the main direction of the document is LTR, then you get LTR two column. In addition, `\RTLdblcol` allows you to have RTL two column typesetting and `\LTRdblcol` allows you to have LTR two column typesetting as the options of the class file.



Also please note that in twocolumn documents, the width of the `\footnoterule` will be equal to `\columnwidth` no matter which footnote-rule commands you use; indeed, in twocolumn documents only `\textwidthfootnoterule` is active and other footnote-rule commands will not be effective.

`\RTLcases` command was previously known as `\rcases` command but since there was a clash with `mathtools` package (`mathtools` defines `rcases` environment), we had to rename `\rcases` command to `\RTLcases` command.

1.11 RTL cases

```
\RTLcases{\text{\langle brach1\rangle}\cr\text{\langle brach2\rangle}\cr\text{\langle brach3\rangle}...}
\text{\langle main\rangle}
```

`\RTLcases` is defined in `bidi` for typesetting RTL cases. `\text` is defined in `amsmath` package, so this means that you need to load `amsmath` package too.

```
1 \documentclass{article}
2 \usepackage{amsmath}
3 \usepackage{bidi}
4 \begin{document}
5 \setRTL
6 \[ \RTLcases{\text{men}\cr\text{women}}
7 \text{Humans Beings}
8 \]
9 \end{document}
```

1.12 Typesetting Logos

```
\XeTeX \XeLaTeX
```

`bidi` defines \XeTeX and \XeLaTeX logos and in addition, it makes sure that logos, \TeX , \LaTeX , $\text{\LaTeX}_{2\epsilon}$ are typeset LTR.

1.13 Separation Mark

```
\SepMark{\langle mark\rangle} \@SepMark
```

Generally in Standard \LaTeX , dot is used for separation between section numbers, equation numbers any anything else which needs to be separated. You can use `\SepMark` to use any other mark as the separation mark instead a dot.

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \SepMark{-}
4 \begin{document}
5 \section{First}
6 \subsection{Second}
7 \subsubsection{Third}
8 \end{document}
```



If you decide to change the numbering of chapters, sections, subsections, equations, figures and ..., you should either load `amsmath` package and use `\numberwithin` macro to do this or do the ordinary way, but instead dot write `\@SepMark`. Using dot instead `\@SepMark` will certainly make trouble.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \SepMark{-}
4 \makeatletter
5 \renewcommand\theequation{\thesection\@SepMark\@arabic\c@equation}
6 \makeatother
7 \begin{document}
8 \section{First}
9 \begin{equation}
10 x^2+y^2=z^2
11 \end{equation}
12 \end{document}

```

1.14 `\raggedright`, `\raggedleft` commands, `flushleft` and `flushright` Environments

`\raggedright` command and `flushleft` environment put the text on the left hand side and `\raggedleft` command and `flushright` environment put the text on the right hand side, independent on the current mode.

1.15 Primitive-like commands

`\hboxR` `\hboxL` `\vboxR` `\vboxL`

- ☞ The syntax of `\hboxR` is exactly the same as the syntax of `\hbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\hboxL` is exactly the same as the syntax of `\hbox`, but its contents is always typeset LTR.
- ☞ The syntax of `\vboxR` is exactly the same as the syntax of `\vbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\vboxL` is exactly the same as the syntax of `\vbox`, but its contents is always typeset LTR.

1.16 Something To know about `\hbox`

If you enable RTL typesetting and typeset an horizontal box at the beginning of the document:



```

1 \documentclass{article}
2 \usepackage{bidi}
3 \setRTL
4 \begin{document}
5 \hbox{This is a Test}
6 \end{document}

```

You see that even you have used `\setRTL`, the horizontal box appears LTR (It appears on the left hand side and its content is typeset left to right). This is because when \TeX starts, it is in the vertical mode so if you need to have that `\hbox` appear RTL, then write `\leavevmode` before `\hbox`:

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \setRTL
4 \begin{document}
5 \leavevmode\hbox{This is a Test}
6 \end{document}

```

1.17 `\bidillap` and `\bidirlap` Commands

In RTL mode, `\llap` and `\rlap` do opposite things. Since these two macros are used in a lot of classes and packages, instead of modifying these two macros, we have created two new macros `\bidillap` and `\bidirlap` which give logical results.

1.18 `LTRitems` and `RTLitems` Environments

If you typeset an `itemize`, or an `enumerate`, or a `description` environment where all `\items` are one directional, you have no problem at all as shown below:

```

1 \documentclass{article}
2 \begin{document}
3 Anyone who reads Old and Middle English literary texts will be familiar
4 with the mid-brown volumes of the EETS, with the symbol of Alfred's
5 \begin{enumerate}
6 \item Anyone who reads Old and Middle English literary texts will be
7 familiar with the mid-brown volumes of the EETS, with the symbol of
8 Alfred's
9 \item Anyone who reads Old and Middle English literary texts will be
10 familiar with the mid-brown volumes of the EETS, with the symbol of
11 Alfred's
12 \end{enumerate}
13 \end{document}

```

However if the above example becomes bidirectional, as shown below:

```

1 \documentclass{article}
2 \usepackage{bidi}

```



```

3 \begin{document}
4 Anyone who reads Old and Middle English literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol of Alfred's
6 \begin{enumerate}
7 \item Anyone who reads Old and Middle English literary texts will be
8 familiar with the mid-brown volumes of the EETS, with the symbol of
9 Alfred's
10 \setRTL
11 \item Anyone who reads Old and Middle English literary texts will be
12 familiar with the mid-brown volumes of the EETS, with the symbol of
13 Alfred's
14 \end{enumerate}
15 \end{document}

```

Then some people may argue that this typographically does not look promising. For this purpose, RTLitems environment is provided which has the following syntax:

```

\begin{RTLitems}
  \item <text>
  ...
\end{RTLitems}

```

By using the RTLitems environment, the previous example will look like the following:

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 Anyone who reads Old and Middle English literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol of Alfred's
6 \begin{enumerate}
7 \item Anyone who reads Old and Middle English literary texts will be
8 familiar with the mid-brown volumes of the EETS, with the symbol of
9 Alfred's
10 \begin{RTLitems}
11 \item Anyone who reads Old and Middle English literary texts will be
12 familiar with the mid-brown volumes of the EETS, with the symbol of
13 Alfred's
14 \end{RTLitems}
15 \end{enumerate}
16 \end{document}

```

Similarly, LTRitems environment is defined which has the following syntax:

```

\begin{LTRitems}
  \item <text>
  ...
\end{LTRitems}

```



1.19 LTRbibitems and RTLbibitems Environments

The syntax of LTRbibitems and RTLbibitems environments is exactly like the syntax of LTRitems and RTLitems environments but there are few differences:

- ☞ LTRitems and RTLitems environments should only be used for list-like environments (such as itemize, enumerate and description environments) but LTRbibitems and RTLbibitems environments should only be used for thebibliography environment.
- ☞ Clearly instead of `\item`, you have `\bibitem` inside LTRbibitems and RTLbibitems environments.

1.20 `\setLTRbibitems`, `\setRTLbibitems`, and `\setdefaultbibitems` commands

<code>\setLTRbibitems</code> <code>\setRTLbibitems</code> <code>\setdefaultbibitems</code>
--

- ☞ If your whole thebibliography environment is inside RTL mode, but all your `\bibitems` are LTR and you actually want to have `\bibname` to appear on the RHS, you can use `\setLTRbibitems` command before thebibliography environment.
- ☞ If your whole thebibliography environment is inside LTR mode, but all your `\bibitems` are RTL and you actually want to have `\bibname` to appear on the LHS, you can use `\setRTLbibitems` command before thebibliography environment.
- ☞ `\setdefaultbibitems` is the default, when your `\bibitems` are a mixture of LTR and RTL and it does not matter what mode (LTR or RTL) your thebibliography environment is in. Please note that you do not have to use `\setdefaultbibitems` command in this case at all.

Consider an example that your thebibliography environment is inside LTR mode and you have, say two `\bibitems`. The first `\bibitem` is LTR and the second `\bibitem` is RTL. One could typeset this scenario as shown below:

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \begin{thebibliography}{99}
5 \bibitem This is the first bibitem which is LTR.
6 \begin{RTLbibitems}
7 \bibitem This is the second bibitem which is RTL.
8 \end{RTLbibitems}
9 \end{thebibliography}
10 \end{document}
```



1.21 Typesetting margin par

By default, in RTL mode, `\marginpar` appears on LHS and its content is typeset RTL and in LTR mode, `\marginpar` appears on RHS and its content is typeset LTR. In addition, the following commands are provided:

```
\setRTLmarginpar \setLTRmarginpar \setdefaultmarginpar
\LTRmarginpar[⟨left-text⟩]{⟨right-text⟩}
\RTLmarginpar[⟨left-text⟩]{⟨right-text⟩}
```

- ☞ `\setRTLmarginpar` always makes `\marginpar` to appear on LHS and the content of `\marginpar` is typeset RTL (this is independent of the current mode).
- ☞ `\setLTRmarginpar` always makes `\marginpar` to appear on RHS and the content of `\marginpar` is typeset LTR (this is independent of the current mode).
- ☞ `\setdefaultmarginpar` gives the default behaviour of `\marginpar` as described above.
- ☞ `\LTRmarginpar` typesets `⟨left-text⟩` and `⟨right-text⟩` always LTR.
- ☞ `\RTLmarginpar` typesets `⟨left-text⟩` and `⟨right-text⟩` always RTL.
- ☞ in RTL mode, places of `⟨left-text⟩` and `⟨right-text⟩` swaps.

1.22 Typesetting of Headers and Footers

If the main direction of the document is RTL, then headers and footers are typeset RTL and if the main direction of the document is LTR, then headers and footers are typeset LTR.

1.23 Tabular Typesetting

In RTL mode, tabular are typeset RTL and in LTR mode, tabular are typeset LTR.

1.24 Equation Numbers

For `reqno`, equation numbers are on the right hand side and for `leqno`, equation numbers are on the left hand side, independent on the current mode.

2 Support For Various Packages and Classes

The bidi package supports `amsmath`, `amstext`, `amsthm`, `array`, `arydshln`, `breqn`, `cals`, `caption`, `color`, `colortbl`, `crop`, `cuted`, `cutwin`, `dblfnote`, `draftwatermark`, `empheq`, `fancyhdr`, `fancybox`, `fix2col`, `float`, `floatrow`, `flowfram`, `framed`, `ftnright`, `geometry`, `graphicx`, `hvfloa`, `hyperref`, `lettrine`, `listings`, `mdframed`, `midfloat`, `minitoc`, `multicol`, `multienum`, `newfloat`, `pdfpages`, `pstricks`, `quotchap`, `pinyin`, `ragged2e`, `rotating`, `sidecap`, `stabular`,



subfig, subfigure, supertabular, xtab, tabs, tabulary, PGF & TIKZ, tocbibind, tocloft, tocstyle, wrapfig, xcolor, xltextra packages, amsart, amsbook, artikel1, artikel2, artikel3, extarticle, flashcards, standrad article, boek, boek3, standard book, bookest, extbook, extletter, scrlettr, standard letter, memoir, extreport, rapport1, rapport3, refrep, standard report, scrartcl, scrbook, scrreprt classes and any other packages and classes that relies on these packages and classes. This means, you can use all these packages and classes in addition to other packages and classes that rely on these packages and classes and use their functionality fully for your bidirectional documents. We now give some details that you should know about the supported packages or classes.

2.1 Color

You can use color and xcolor packages to typeset texts in colours and colour boxes produced by `\colorbox` and `\fcolorbox` commands. Please note that your Coloured text should not span more than a line, if your text spans more than a line, you will be in trouble which means your whole document, page or paragraph may be coloured. If your texts spans more than a line, then you should use xecolor package. Also if you are going to use `\color` command to colour the text at the beginning of a paragraph, then you should have `\leavevmode` before `\color` command. For having coloured tabular, you can use colortbl package.

2.2 The dblfnote package

The dblfnote package makes footnotes double-columned. In addition bidi package adds bidirectional support for the dblfnote package by providing the following commands:

<code>\RTLdfnmakecol</code>	<code>\LTRdfnmakecol</code>
-----------------------------	-----------------------------

☞ `\RTLdfnmakecol` makes footnotes double-columned RTL.

☞ `\LTRdfnmakecol` makes footnotes double-columned LTR.

☞ If the main direction of the document is RTL, `\RTLdfnmakecol` is active and if the main direction of the document is LTR, `\LTRdfnmakecol` is active.

Please note that when using dblfnote package, the footnote rule will be as wide as the footnote column and `\autofootnoterule`, `\rightfootnoterule`, `\leftfootnoterule`, and `\textwidthfootnoterule` commands have no effects.

2.3 Hyperref

The hyperref package works fine with bidirectional documents if and only if, your link will not span more than a line. If your link spans more than a line, then your whole document, or page or paragraph may be linked.



2.4 The listings package

Suppose that the main direction of the document is RTL, and you want to typeset a piece of C code in LTR mode but you also have the requirement that the caption of that particular code should be RTL. Since the direction of the code is LTR, then the direction of the caption also will be LTR and this is not something you want; sadly there is no easy way to do this. For this very reason, the `bidi` package adds a key to the listings package, namely `captiondirection`. This key can have the following values:

☞ `textdirection` follows the direction of the text (default).

☞ `RTL` sets the direction of the caption to RTL.

☞ `LTR` sets the direction of the caption to LTR.

Giving any other values gives you an error.

2.5 flowfram Package

You can use `flowfram` package for your bidirectional documents. Please note that `flowfram` package provides support for bidirectional column typesetting, for details, see its manual.

2.6 Multicolumn Typesetting

In the previous versions of `bidi` package, it was recommended that you need to use `fmultico` package instead the original `multicol` package for RTL multicolumn typesetting. This is not the case any more and you should not use buggy `fmultico` package any more. Simply load the original `multicol` package before loading `bidi`. `bidi` now supports `multicol` package and you can typeset bidirectional multi columns. When using `multicol` package, the following two additional commands are provided:

`\RTLmulticolcolumns` `\LTRmulticolcolumns`

If the main direction of the document is RTL, then you get RTL multi columns and if the main direction of the document is LTR, then you get LTR multi columns. In addition, `\RTLmulticolcolumns` allows you to have RTL multi columns and `\LTRmulticolcolumns` allows you to have LTR multi columns. In addition, you also can use `vwcol` package for variable width bidirectional column typesetting.

3 Extra bidi Packages and Classes

3.1 bidentu bundle

A modified version of `tufte-latex`, `bidentu` bundle, mainly for RTL typesetting, is provided. If you never used `bidentu` bundle or `tufte-latex` package and you want



to use biditufte bundle, then you need to look at tufte-latex package's manual and examples. In addition, for using biditufte bundle, you need to know the following notes:

- ☞ You need to use biditufte-book class instead tufte-book class and biditufte-handout class instead tufte-handout class.
- ☞ biditufte bundle provides the following extra commands:

`\LTRsidenote \RTLsidenote \LTRmarginnote \RTLmarginnote`

- ☞ biditufte bundle unlike tufts-latex package, only provides justified lines.
- ☞ Some features of tufte-latex that does not make any sense in RTL, do not exist in biditufte bundle (no need for soul, letterspace and macrotype packages).
- ☞ If you want to configure biditufte-book class for your own needs, then you can create a file with the name biditufte-book.cfg and put your \LaTeX macros in that file; similarly, if you want to configure biditufte-handout class for your own needs, then you can create a file with the name biditufte-handout.cfg and put your \LaTeX macros in that file.

3.2 Typesetting \TeX and \LaTeX Codes

The \LaTeX codes in this manual are typeset using the bidicode package. In standard \LaTeX you can not use footnotes inside `\chapter`, `\part`, `\section`, `\subsection`, `\subsubsection` and any other section-like commands, `\caption` and tabular environment.

bidi package provides bidiftnxtra package that solves the issue of footnote in standard \LaTeX . bidiftnxtra package should be loaded after bidi package.

3.3 Typesetting Poems

The bidi package provides bidipoem package for typesetting Persian poems. It provides four environments, `traditionalpoem`, `modernpoem` and starred version of these. In the starred version of these environments you do not need to type `\\` and that is the only difference with the normal version of the environments. The `traditionalpoem` environment and its starred version are also useful for typesetting Classic Arabic poetry, in fact this package may also be useful for other RTL languages.

When using bidipoem package, at least you need to run `xelatex` twice on your document. In fact, if you run `xelatex` just once on your document, you get a message saying "Unjustified poem. Rerun XeLaTeX to get poem right".

When you typeset your poems, you might get underfull `\hbox` messages. This is absolutely normal and if you want to get rid of these underfull `\hbox` messages, then you would need to use Kashida.

If you need to change the default distance between two verses, you can do just that by:



```
\renewcommand\poemcolsepskip{\langle length \rangle}
```

```
\begin{traditionalpoem}  
  \langle verse1 \rangle & \langle verse2 \rangle \\  
  \langle verse3 \rangle & \langle verse4 \rangle \\  
  ...  
\end{traditionalpoem}
```

```
\begin{traditionalpoem*}  
  \langle verse1 \rangle & \langle verse2 \rangle  
  \langle verse3 \rangle & \langle verse4 \rangle  
  ...  
\end{traditionalpoem*}
```

3.4 Typesetting Résumé

The bidi package provides `bidimoderncv`² class for typesetting resums. There are two examples, namely `test-casualcv.tex` and `test-classiccv.tex`, in the `doc` folder than you can look and learn how you can use it.

3.5 Print Two Pages On A Single Page

bidi package provides `bidi2in1` package for printing two pages on a single (landscape) A4 page. Page numbers appear on the included pages, and not on the landscape 'container' page.

3.6 Producing Presentations

At the moment, there is only one class that you can prepare your presentations with.

4 Some Useful Internal Macros and Programming Tips

There are some useful internal macros and programming tips that might be helpful for you. This section, explains all these useful internals and programming tips.

4.1 Equating Conditionals

```
\eqnewif{\newconditional1}{\newconditional2}
```

In standard \LaTeX , `\newif` command is provided that you can define a new conditional with it. `\eqnewif` command is similar to `\newif` command but:

- ☞ With `\eqnewif` command, you can define two new conditionals instead one, so clearly it has two mandatory arguments.

²This class is the modified version of `moderncv` class.



☞ `\newconditional1` will be identical to `\newconditional2`, so that whenever `\newconditional1` is true, then `\newconditional2` is also true and whenever `\newconditional1` is false, then `\newconditional2` is also false and vice versa.

4.2 RTL Conditional

`\if@RTL`

`\if@RTL` conditional is true inside RTL mode and it is false in LTR mode.

4.3 Main RTL Conditional

`\if@RTLmain`

If the main direction of the document is RTL, `\if@RTLmain` is true and if the main direction of the document is LTR, `\if@RTLmain` is false.

4.4 Latin Conditional

`\if@nonlatin`

The packages should set the value of `\if@nonlatin` inside any environment that uses LTR script to false (`\@nonlatinfalse`) and inside any environment that uses RTL script to true (`\@nonlatintrue`).

4.5 Tags Internal Macro

```
\@iftagsloaded{<tags name>}{<do thing(s) if the tag is loaded>}{<do thing(s) if the tag is not loaded>}
```

As you can see, the syntax of `\@iftagsloaded` is exactly the same as the syntax of `\@ifpackageloaded` and `\@ifclassloaded`. By tags, we mean things like `leqno` or `reqno`. Please note that in the argument `<tags name>`, the extension `clo` should not be given.

4.6 Definition File Loaded Internal Macro

```
\@ifdefinitionfileloaded{<definition file name>}{<do thing(s) if the definition file is loaded>}{<do thing(s) if the definition file is not loaded>}
```

As you can see, the syntax of `\@ifdefinitionfileloaded` is exactly the same as the syntax of `\@ifpackageloaded` and `\@ifclassloaded`. By definition file, we mean things like `hyperref-bidi.def` or `wrapfig-bidi.def`. Please note that in the argument `<definition file name>`, the extension `def` should not be given.



4.7 Tabular Conditional

`\if@RTLtab`

If the tabular is typeset RTL, `\if@RTLtab` is true and if the tabular is typeset LTR, `\if@RTLtab` is false.

4.8 Footnote Conditional

`\if@RTL@footnote`

When footnotes are typeset RTL, `\if@RTL@footnote` is true and when footnotes are typeset LTR, `\if@RTL@footnote` is false.

4.9 Direction Ensuring Macros

`\@ensure@RTL{<text>} \@ensure@RL{<text>} \@ensure@LTR{<text>}`
`\@ensure@LR{<text>} \@ensure@dir{<text>} \@ensure@maindir{<text>}`

- ☞ `\@ensure@RTL` and `\@ensure@RL` internals make sure that `<text>` is always typeset RTL, independent on the current mode.
- ☞ `\@ensure@LTR` and `\@ensure@LR` internals make sure that `<text>` is always typeset LTR, independent on the current mode.
- ☞ `\@ensure@dir` and `\@ensure@maindir` if used in RTL mode, they put `<text>` inside `\RLE` and if used in LTR mode, they put the text as it is.

4.10 Reset Direction Macro

`\save@dir \saved@@dir \reset@dir`

- ☞ `\save@dir`, if the direction of typesetting is RTL, defines `\saved@@dir` to be RTL and if the direction of typesetting is LTR, defines `\saved@@dir` to be LTR.
- ☞ `\reset@dir`, if `\saved@@dir` is defined as RTL, inserts `\setRTL` otherwise, if `\saved@@dir` is defined as LTR, inserts `\setLTR`, otherwise does nothing.

Part II

Plain T_EX Manual

5 Basics



5.1 Loading The Package

You can load the package in the ordinary way;

```
\input bidi
```

When loading the package, it is important to know that: `bidi` should be the last package that you load, because otherwise you are certainly going to overwrite `bidi`'s definitions and consequently, you will not get the expected output.

5.2 Commands for Version number, and Date of The Package

```
\bidiversion \bididate
```

☞ `\bidiversion` gives the current version of the package.

☞ `\bididate` gives the current date of the package.

```
1 \input bidi
2 This is typeset by \textsf{bidi} package, \bidiversion, \bididate.
3 \end
```

5.3 Turning TeX--XeT features on and off

The bidirectional typesetting in XeTeX is based on TeX--XeT algorithm and `bidi` package automatically turns the feature on for typesetting bidirectional texts. As the internal data structures built by TeX--XeT differ from those built by TeX, the typesetting of a document by TeX--XeT may therefore differ from that performed by TeX. So you may notice that some packages behave differently when TeX--XeT feature is on and you may want to turn the feature off for a part of the text so that you get the default behaviour of original TeX. Two commands are provided for this purpose:

```
\TeXXeTOn \TeXXeTOff
```

☞ `\TeXXeTOn` turns TeX--XeT feature on, which is active by default when `bidi` package is loaded.

☞ `\TeXXeTOff` turns TeX--XeT feature off.

5.4 Paragraph Switching Commands

```
\setLTR \setLR \unsetRL \unsetRTL
\setRTL \setRL \unsetLTR
```

☞ With any of the commands in the first row, you can typeset LTR paragraphs.



☞ With any of the commands in the second row, you can typeset RTL paragraphs.

```
1 \input bidi
2 \setRTL%
3 Anyone who reads Old and Middle English literary texts will be
4 familiar with the mid-brown volumes of the EETS, with the symbol
5 of Alfred's jewel embossed on the front cover.
6
7 \setLTR% Notice the blank line before \setLTR
8 Anyone who reads Old and Middle English literary texts will be
9 familiar with the mid-brown volumes of the EETS, with the symbol
10 of Alfred's jewel embossed on the front cover.
11 \end
```

5.5 Paragraph Switching Environments

<code>\LTR</code>	<code><text></code>	<code>\endLTR</code>
<code>\RTL</code>	<code><text></code>	<code>\endRTL</code>

☞ With LTR environment, you can typeset LTR paragraphs.

☞ With RTL environment, you can typeset RTL paragraphs.

```
1 \input bidi
2 \RTL
3 Anyone who reads Old and Middle English literary texts will be familiar
4 with the mid-brown volumes of the EETS, with the symbol
5 of Alfred's jewel embossed on the front cover.
6 \LTR
7 Anyone who reads Old and Middle English literary texts will be familiar
8 with the mid-brown volumes of the EETS, with the symbol
9 of Alfred's jewel embossed on the front cover.
10 \endLTR
11 And we are still typesetting right to left.
12 \endRTL
13 \end
```

5.6 Typesetting Short LTR and RTL Texts

<code>\LRE{<text>}</code>	<code>\LR{<text>}</code>
<code>\RLE{<text>}</code>	<code>\RL{<text>}</code>

☞ With any of the commands in the first row, you can typeset short LTR text inside RTL paragraphs.



☞ With any of the commands in the second row, you can typeset short RTL text inside LTR paragraphs.

```
1 \input bidi
2 \RTL
3 Anyone who reads Old and Middle English \LRE{Short left to right text}
4 literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol
6 of Alfred's jewel embossed on the front cover.
7 \LTR
8 Anyone who reads Old and Middle English \RLE{Short right to left text}
9 literary texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \endLTR
13 \endRTL
14 \end
```

5.7 Primitive-like commands

`\hboxR` `\hboxL` `\vboxR` `\vboxL`

- ☞ The syntax of `\hboxR` is exactly the same as the syntax of `\hbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\hboxL` is exactly the same as the syntax of `\hbox`, but its contents is always typeset LTR.
- ☞ The syntax of `\vboxR` is exactly the same as the syntax of `\vbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\vboxL` is exactly the same as the syntax of `\vbox`, but its contents is always typeset LTR.

5.8 Something To know about `\hbox`

If you enable RTL typesetting and typeset an horizontal box at the beginning of the document:

```
1 \input bidi
2 \setRTL
3 \hbox{This is a Test}
4 \end
```

You see that even you have used `\setRTL`, the horizontal box appears LTR (It appears on the left hand side and its content is typeset left to right). This is because when \TeX starts, it is in the vertical mode so if you need to have that `\hbox` appear RTL, then write `\leavevmode` before `\hbox`:



```

1 \input bidi
2 \setRTL
3 \leavevmode\hbox{This is a Test}
4 \end

```

5.9 Typesetting Logos

```
\XeTeX
```

bidi defines XeTeX logo and in addition, it makes sure that the logo, TeX is typeset LTR.

6 Some Useful Internal Macros and Programming Tips

There are some useful internal macros and programming tips that might be helpful for you. This section, explains all these useful internals and programming tips.

6.1 RTL Conditional

```
\if@RTL
```

\if@RTL conditional is true inside RTL mode and it is false in LTR mode.

6.2 Main RTL Conditional

```
\if@RTLmain
```

If the main direction of the document is RTL, \if@RTLmain is true and if the main direction of the document is LTR, \if@RTLmain is false.

6.3 Direction Ensuring Macros

```

\@ensure@RTL{<text>} \@ensure@RL{<text>} \@ensure@LTR{<text>}
\@ensure@LR{<text>} \@ensure@dir{<text>} \@ensure@maindir{<text>}

```

☞ \@ensure@RTL and \@ensure@RL internals make sure that <text> is always typeset RTL, independent on the current mode.

☞ \@ensure@LTR and \@ensure@LR internals make sure that <text> is always typeset LTR, independent on the current mode.

☞ \@ensure@dir and \@ensure@maindir if used in RTL mode, they put <text> inside \RLE and if used in LTR mode, they put the text as it is.



6.4 Reset Direction Macro

`\save@dir \saved@@dir \reset@dir`

- ☞ `\save@dir`, if the direction of typesetting is RTL, defines `\saved@@dir` to be RTL and if the direction of typesetting is LTR, defines `\saved@@dir` to be LTR.
- ☞ `\reset@dir`, if `\saved@@dir` is defined as RTL, inserts `\setRTL` otherwise, if `\saved@@dir` is defined as LTR, inserts `\setLTR`, otherwise does nothing.

7 bidi implementation

7.1 amsart-xetex-bidi.def

```
1 \ProvidesFile{amsart-xetex-bidi.def}[2017/08/09 v1.1 bidi adaptations for amsart class for Xe
2 \def\tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\addvspace{#2}%
6     \begingroup \hyphenpenalty\@M
7     \@ifempty{#4}{%
8       \@tempdima\csname r@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\l
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-.4\p@
28   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29   \kern11\p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4\p@
31   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35   \insert\footins{%
```



```

36 \ifRTL@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 \@makefntext{%
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 \@bibttitlestyle
85 \normalfont\bibliofont\labelsep .5em\relax

```



```

86 \renewcommand\thenumiv{\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{\thenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
90 \leftmargin\labelwidth \advance\leftmargin\labelsep
91 \usecounter{enumiv}}%
92 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
93 \sfcode\`.\=@m
94 }-%
95 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
96 \endlist
97 }
98 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
99 \columnseprule\z@ \columnsep 35\p@
100 \@indextitlestyle
101 \thispagestyle{plain}%
102 \let\item\@idxitem
103 \parindent\z@ \parskip\z@\@plus.3\p@\relax
104 \if@RTL\raggedleft\else\raggedright\fi
105 \hyphenpenalty\@M
106 \footnotesize}
107 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
108 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
109 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
110 \def\maketitle{\par
111 \@topnum\z@ % this prevents figures from falling at the top of page 1
112 \@setcopyright
113 \thispagestyle{firstpage}% this sets first page specifications
114 \uppercase\nonmath\shorttitle
115 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
116 \else \andify\shortauthors
117 \fi
118 \@maketitle@hook
119 \begingroup
120 \@maketitle
121 \toks@{\xp{\shortauthors}}\@temptokena{\xp{\shorttitle}}%
122 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
123 \edef\@tempa{%
124 \nx\markboth{\the\toks4
125 \nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
126 \@tempa
127 \endgroup
128 \c@footnote\z@
129 \clearatopmattertags
130 }

```

7.2 adjmulticol-xetex-bidi.def

```

131 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol pa
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

```

7.3 algorithm2e-xetex-bidi.def

```

165 \ProvidesFile{algorithm2e-xetex-bidi.def}[2015/02/01 v0.1 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
171 \def\@algocf@pre@boxed{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}
172 \def\@algocf@post@boxed{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
173 \def\@algocf@pre@boxruled{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}%
174 \def\@algocf@post@boxruled{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
175 \renewcommand{\@algocf@start}{%
176   \@algoskip%
177   \begin{bidi@lrbox}{\algocf@algobox}%
178   \setlength{\algowidth}{\hsize}%
179   \vbox\bgroup% save all the algo in a box

```



```

180 \hbox to\algowidth\bgroup\hbox to \algomargin{\hfill}\vtop\bgroup%
181 \ifthenelse{\boolean{algocf@slide}}{\parskip 0.5ex\color{black}}{}%
182 % initialization
183 \addtolength{\hsize}{-1.5\algomargin}%
184 \let\@mathsemicolon=\;\def\;\{\ifmmode\@mathsemicolon\else\@endalgoln\fi}%
185 \raggedright\AlFnt{}%
186 \ifthenelse{\boolean{algocf@slide}}{\IncMargin{\skipalgocfslide}}{}%
187 \@goinsideskip%
188 % \let\@mathdisplay=\]\def\]\{\algocf@endline\@mathdisplay\nl}%
189 }%
190 \renewcommand{\@algocf@finish}{%
191 \@goinsideskip%
192 \egroup%end of vtop which contain all the text
193 \hfill\egroup%end of hbox wich contains [margin][vtop]
194 \ifthenelse{\boolean{algocf@slide}}{\DecMargin{\skipalgocfslide}}{}%
195 %
196 \egroup%end of main vbox
197 \end{bidi@lrbox}%
198 \algocf@makethealgo% print the algo
199 \@algoskip%
200 % restore dimension and macros
201 \setlength{\hsize}{\algowidth}%
202 \lineskip\normallineskip\setlength{\skiptotal}{\@defaultskiptotal}%
203 \let\;=\@mathsemicolon%
204 \let\]=\@mathdisplay%
205 }%

```

7.4 amsbook-xetex-bidi.def

```

206 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class for ]
207 \def\@tocline#1#2#3#4#5#6#7{\relax
208 \ifnum #1>\c@tocdepth % then omit
209 \else
210 \par \addpenalty\@secpenalty\addvspace{#2}%
211 \begingroup \hyphenpenalty\@M
212 \@ifempty{#4}{%
213 \@tempdima\csname r@tocindent\number#1\endcsname\relax
214 }{%
215 \@tempdima#4\relax
216 }%
217 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#4\relax
218 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
219 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
220 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
221 \nobreak
222 \endgroup
223 \fi}
224 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
225 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
226 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}

```



```

227 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
228 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
229 \columnseprule\z@ \columnsep 35\p@
230 \@indextitlestyle
231 \thispagestyle{plain}%
232 \let\item\@idxitem
233 \parindent\z@ \parskip\z@\@plus.3\p@\relax
234 \if@RTL\raggedleft\else\raggedright\fi
235 \hyphenpenalty\@M
236 \footnotesize}
237 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
238 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
239 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
240 \def\right@footnoterule{%
241 \kern-.4\p@
242 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
243 \kern11\p@\kern-\footnotesep}
244 \def\left@footnoterule{\kern-.4\p@
245 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
246
247 \long\def\@footnotetext#1{%
248 \insert\footins{%
249 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
250 \reset@font%
251 \bidi@@footnotetext@font% \normalfont\footnotesize
252 \interlinepenalty\interfootnotelinepenalty
253 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
254 \floatingpenalty\@MM \hsize\columnwidth
255 \@parboxrestore \parindent\normalparindent \sloppy
256 \protected@edef\@currentlabel{%
257 \csname p@footnote\endcsname\@thefnmark}%
258 \@makefnintext{%
259 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
260
261 \long\def\@RTLfootnotetext#1{%
262 \insert\footins{%
263 \@RTLtrue%
264 \reset@font%
265 \bidi@@RTLfootnotetext@font% \normalfont\footnotesize
266 \interlinepenalty\interfootnotelinepenalty
267 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
268 \floatingpenalty\@MM \hsize\columnwidth
269 \@parboxrestore \parindent\normalparindent \sloppy
270 \protected@edef\@currentlabel{%
271 \csname p@footnote\endcsname\@thefnmark}%
272 \@makefnintext{%
273 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
274
275
276 \long\def\@LTRfootnotetext#1{%

```



```

277 \insert\footins{%
278 \@RTLfalse%
279 \reset@font%
280 \bidi@LTRfootnotetext@font% \normalfont\footnotesize
281 \interlinepenalty\interfootnotelinepenalty
282 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
283 \floatingpenalty\MM \hsize\columnwidth
284 \@parboxrestore \parindent\normalparindent \sloppy
285 \protected@edef\@currentlabel{%
286 \csname p@footnote\endcsname\@thefnmark}%
287 \@makefnintext{%
288 \rule{z@{footnotesep}\ignorespaces#1\unskip\strut\par}}
289
290
291
292 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
293 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
294 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
295
296 \renewenvironment{thebibliography}[1]{%
297 \@bibtittlestyle
298 \normalfont\bibliofont\labelsep .5em\relax
299 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
300 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
301 \bidi@thebibliography@font@hook%
302 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
303 \leftmargin\labelwidth \advance\leftmargin\labelsep
304 \usecounter{enumiv}}%
305 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
306 \sfcode\@.=\@m
307 }{%
308 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
309 \endlist
310 }
311 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
312 \begingroup
313 \fontsize{\@xivpt}{18}\bfseries\centering
314 \ifnum\c@secnumdepth>\m@ne
315 \leavevmode \hskip-\if@RTL\rightskip\else\leftskip\fi
316 \rlap{\vbox to\z@{\vss
317 \centerline{\normalsize\mdseries
318 \uppercase\exp{\chaptername}\enspace\thechapter}
319 \vskip 3pc}}\hskip\if@RTL\rightskip\else\leftskip\fi\fi
320 #1\par \endgroup
321 \skip@34\p@ \advance\skip@-\normalbaselineskip
322 \vskip\skip@ }
323 \def\maketitle{\par
324 \@topnum\z@ % this prevents figures from falling at the top of page 1
325 \begingroup
326 \@maketitle

```



```

327 \endgroup
328 \c@footnote\z@
329 \def\do##1{\let##1\relax}%
330 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
331 \do\author \do\@xauthor \do\address \do\@xaddress
332 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
333 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
334 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
335 }

```

7.5 amsmath-xetex-bidi.def

```

336 \ProvidesFile{amsmath-xetex-bidi.def}[2016/09/12 v1.0 bidi adaptations for amsmath package for Xe
337 \let\veqno=\eqno
338 \iftagsleft@ \let\veqno=\leqno \fi
339 \renewcommand{\numberwithin}[3][\arabic]{%
340   \ifundefined{c@#2}{\@nocounterr{#2}}{%
341     \ifundefined{c@#3}{\@nocnterr{#3}}{%
342       \@addtoreset{#2}{#3}%
343       \@xp\xdef\csname the#2\endcsname{%
344         \@xp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
345   }
346 \def\tagform@#1{\maketag@@@{\ifnonlatin\beginR\fi(\ignorespaces#1\unskip\@italiccorr)\ifno

```

7.6 amstext-xetex-bidi.def

```

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

```

7.7 amsthm-xetex-bidi.def

```

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

```

7.8 array-xetex-bidi.def

```

354 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for Xe
355 \def\@testpach{\@chclass
356   \ifnum \@lastchclass=6 \@one \@chnum \@one \else
357   \ifnum \@lastchclass=7 5 \else
358   \ifnum \@lastchclass=8 \tw@ \else
359   \ifnum \@lastchclass=9 \thr@@
360   \else \z@
361   \ifnum \@lastchclass = 10 \else
362   \edef\@nextchar{\expandafter\string\@nextchar}%
363   \@chnum
364   \if \@nextchar c\z@ \else
365   \if \@nextchar \if@RTLtab r\else l\fi\@one \else
366   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
367   \z@ \@chclass

```



```

368 \if\@nextchar |\@ne \else
369 \if \@nextchar !6 \else
370 \if \@nextchar @7 \else
371 \if \@nextchar <8 \else
372 \if \@nextchar >9 \else
373 10
374 \@chnum
375 \if \@nextchar m\thr@@\else
376 \if \@nextchar p4 \else
377 \if \@nextchar b5 \else
378 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
379 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
380 \def\@tabular{%
381 \leavevmode
382 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
383 \let\d@llarend\endR
384 \@tabarray}
385 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
386 \expandafter\let\csname endtabular*\endcsname=\endtabular
387 \def\@array[#1]#2{%
388 \@tempdima \ht \strutbox
389 \advance \@tempdima by\extrarowheight
390 \setbox \@arstrutbox \hbox{\vrule
391 \@height \arraystretch \@tempdima
392 \@depth \arraystretch \dp \strutbox
393 \@width \z@}%
394 \beginR
395 \@mkpream{#2}%
396 \xdef\@preamble{\noexpand \ialign \@halignto
397 \bgroup \@arstrut \@preamble
398 \tabskip \z@ \cr}%
399 \endgroup
400 \@arrayleft
401 \if #1t\top \else \if#1b\box \else \vcenter \fi \fi
402 \bgroup
403 \let \@sharp ##\let \protect \relax
404 \lineskip \z@
405 \baselineskip \z@
406 \m@th
407 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\@hboxRco
408 \def\@tabarray{\@ifnextchar[\{\@array\}\@array[c]\}
409 \def\endarray{\crr \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@pream
410 \def\array{\col@sep\arraycolsep
411 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}%
412 \@RTLtabfalse\@tabarray}

```

7.9 article-xetex-bidi.def

```

413 \ProvidesFile{article-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for standard article c
414 \if@titlepage

```



```

415 \renewcommand\maketitle{\begin{titlepage}%
416 \let\footnotesize\small
417 \let\right@footnoterule\relax
418 \let\left@footnoterule\relax
419 \let\textwidth@footnoterule\relax
420 \let \footnote \thanks
421 \let \LTRfootnote \LTRthanks
422 \let \RTLfootnote \RTLthanks
423 \null\vfil
424 \vskip 60\p@
425 \begin{center}%
426   {\LARGE \@title \par}%
427   \vskip 3em%
428   {\large
429     \lineskip .75em%
430     \begin{tabular}[t]{c}%
431       \@author
432     \end{tabular}\par}%
433     \vskip 1.5em%
434     {\large \@date \par}%           % Set date in \large size.
435 \end{center}\par
436 \@thanks
437 \vfil\null
438 \end{titlepage}%
439 \setcounter{footnote}{0}%
440 \global\let\thanks\relax
441 \global\let\LTRthanks\relax
442 \global\let\RTLthanks\relax
443 \global\let\maketitle\relax
444 \global\let\@thanks\@empty
445 \global\let\@author\@empty
446 \global\let\@date\@empty
447 \global\let\@title\@empty
448 \global\let\title\relax
449 \global\let\author\relax
450 \global\let\date\relax
451 \global\let\and\relax
452 }
453 \else
454 \renewcommand\maketitle{\par
455 \begingroup
456   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
457   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
458   \long\def\@makefntext##1{\parindent 1em\noindent
459     \hb@xt@1.8em{%
460       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
461   \if@twocolumn
462     \ifnum \col@number=\@ne
463       \@maketitle
464     \else

```



```

465         \twocolumn[\@maketitle]%
466         \fi
467     \else
468         \newpage
469         \global\@topnum\z@    % Prevents figures from going at top of page.
470         \@maketitle
471     \fi
472     \thispagestyle{plain}\@thanks
473 \endgroup
474 \setcounter{footnote}{0}%
475 \global\let\thanks\relax
476 \global\let\LTRthanks\relax
477 \global\let\RTLthanks\relax
478 \global\let\maketitle\relax
479 \global\let\@maketitle\relax
480 \global\let\@thanks\@empty
481 \global\let\@author\@empty
482 \global\let\@date\@empty
483 \global\let\@title\@empty
484 \global\let\title\relax
485 \global\let\author\relax
486 \global\let\date\relax
487 \global\let\and\relax
488 }
489 \def\@maketitle{%
490     \newpage
491     \null
492     \vskip 2em%
493     \begin{center}%
494         \let \footnote \thanks
495         \let \LTRfootnote \LTRthanks
496         \let \RTLfootnote \RTLthanks
497         {\LARGE \@title \par}%
498         \vskip 1.5em%
499         {\large
500             \lineskip .5em%
501             \begin{tabular}[t]{c}%
502                 \@author
503             \end{tabular}\par}%
504         \vskip 1em%
505         {\large \@date}%
506     \end{center}%
507     \par
508     \vskip 1.5em}
509 \fi
510 \renewcommand*\l@part[2]{%
511     \ifnum \c@tocdepth >-2\relax
512         \addpenalty\@secpenalty
513         \addvspace{2.25em \@plus\p@}%
514         \setlength\@tempdima{3em}%

```



```

515 \beginngroup
516 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
517 \parfillskip -\@pnumwidth
518 {\leavevmode
519 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
520 \nobreak
521 \if@compatibility
522 \global\@nobreaktrue
523 \everypar{\global\@nobreakfalse\everypar{}}%
524 \fi
525 \endgroup
526 \fi}
527 \renewcommand*\l@section[2]{%
528 \ifnum \c@tocdepth >\z@
529 \addpenalty\@secpenalty
530 \addvspace{1.0em \@plus\p@}%
531 \setlength\@tempdima{1.5em}%
532 \beginngroup
533 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
534 \parfillskip -\@pnumwidth
535 \leavevmode \bfseries
536 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
537 \hskip -\if@RTL\rightskip\else\leftskip\fi
538 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
539 \endgroup
540 \fi}
541 \renewcommand\left@footnoterule{%
542 \kern-3\p@
543 \hrule\@width.4\columnwidth
544 \kern2.6\p@}
545 \renewcommand\right@footnoterule{%
546 \kern-3\p@
547 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
548 \kern2.6\p@}
549 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
550 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
551 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
552 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
553 \def\@part[#1]#2{%
554 \ifnum \c@secnumdepth >\m@ne
555 \refstepcounter{part}%
556 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
557 \else
558 \addcontentsline{toc}{part}{#1}%
559 \fi
560 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
561 \interlinepenalty \@M
562 \normalfont
563 \ifnum \c@secnumdepth >\m@ne
564 \Large\bfseries \partname\nobreakspace\thepart

```



```

565     \par\nobreak
566     \fi
567     \huge \bfseries #2%
568     \markboth{}{}\par}%
569     \nobreak
570     \vskip 3ex
571     \@afterheading}
572 \renewenvironment{thebibliography}[1]
573     {\section*{\refname}%
574     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
575     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
576     \bidi@thebibliography@font@hook%
577     \list{\@biblabel{\@arabic\c@enumiv}}%
578         {\settowidth\labelwidth{\@biblabel{#1}}%
579         \leftmargin\labelwidth
580         \advance\leftmargin\labelsep
581         \@openbib@code
582         \usecounter{enumiv}%
583         \let\p@enumiv\@empty
584         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
585     \sloppy
586     \clubpenalty4000
587     \@clubpenalty \clubpenalty
588     \widowpenalty4000%
589     \sfcode`\.\@m}
590     {\def\@noitemerr
591     {\@latex@warning{Empty `thebibliography' environment}}}%
592     \endlist}
593 \renewenvironment{theindex}
594     {\if@twocolumn
595     \@restonecolfalse
596     \else
597     \@restonecoltrue
598     \fi
599     \columnseprule \z@
600     \columnsep 35\p@
601     \twocolumn[\section*{\indexname}]%
602     \@mkboth{\MakeUppercase\indexname}%
603         {\MakeUppercase\indexname}%
604     \thispagestyle{plain}\parindent\z@
605     \parskip\z@ \@plus .3\p@\relax
606     \let\item\@idxitem}
607     {\if@restonecol\onecolumn\else\clearpage\fi}

```

7.10 artikel1-xetex-bidi.def

```

608 \ProvidesFile{artikel1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel1 class fo
609 \renewenvironment{theindex}{%
610     \if@twocolumn
611     \@restonecolfalse

```



```

612 \else
613   \@restonecoltrue
614 \fi
615 \columnseprule \z@
616 \columnsep 35\p@
617 \twocolumn[\section*{\indexname}]%
618 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
619 \thispagestyle{plain}\parindent\z@
620 \parskip\z@ \@plus .3\p@\relax
621 \let\item\@idxitem
622 }{%
623 \if@restonecol\onecolumn\else\clearpage\fi}
624 \renewcommand*{\head@style}{%
625   \interlinepenalty \@M
626   \hyphenpenalty=\@M \exhyphenpenalty=\@M
627   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
628 \if@titlepage
629   \renewenvironment{abstract}{%
630     \titlepage
631     \null\vfil
632     \section*{\SectFont\abstractname}
633     \noindent\ignorespaces}
634     {\par\vfil\null\endtitlepage}
635 \else
636   \renewenvironment{abstract}{%
637     \if@twocolumn
638       \section*{\abstractname}%
639     \else
640       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
641       \section*{\small\SectFont\abstractname}%
642       \noindent\ignorespaces
643     \fi}
644     {\if@twocolumn\else\par\egroup\fi}
645 \fi
646 \renewcommand*{\@regtocline}[3]{%
647   \ifnum #1>\c@tocdepth
648     \else
649       \vskip\z@\@plus.2\p@
650       {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
651        \if@RTL\rightskip\else\leftskip\fi\unitindent
652        \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
653        \parfillskip\z@
654        \@tempdima\unitindent
655        \parindent\z@
656        \leavevmode
657        \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
658        \hskip 1em \nobreak{\slshape #3}\par
659        }%
660     \fi}
661 \if@oldtoc

```



```

662 \renewcommand*\l@part[2]{%
663   \ifnum \c@tocdepth >-2\relax
664     \addpenalty\@secpenalty
665     \addvspace{2.25em \@plus\p@}%
666     \begingroup
667       \setlength\@tempdima{3em}%
668       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
669       \parfillskip -\@pnumwidth
670       {\leavevmode
671         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
672         \nobreak
673         \if@compatibility
674           \global\@nobreaktrue
675           \everypar{\global\@nobreakfalse\everypar{}}%
676       \fi
677     \endgroup
678   \fi}
679 \else
680   \renewcommand*\l@part{%
681     \ifnum \c@tocdepth >-2\relax
682       \addpenalty\@secpenalty
683       \addvspace{2.25em \@plus \p@}%
684       \@regtocline{0}%
685     \fi}
686 \fi
687 \if@oldtoc
688 \renewcommand*\l@section[2]{%
689   \addpenalty\@secpenalty
690   \addvspace{1.0em \@plus\p@}%
691   \setlength\@tempdima{1.5em}%
692   \begingroup
693     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
694     \parfillskip -\@pnumwidth
695     \leavevmode \bfseries
696     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
697     \hskip -\if@RTL\rightskip\else\leftskip\fi
698     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
699   \endgroup}
700 \else
701   \renewcommand*\l@section{\@regtocline{1}}
702 \fi
703 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
704 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
705 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
706 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
707 \renewenvironment{thebibliography}[1]
708   {\section*{\refname}%
709    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
710    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
711    \bidi@thebibliography@font@hook%

```



```

712 \list{\@biblabel{\@arabic\c@enumiv}}%
713 {\settowidth\labelwidth{\@biblabel{#1}}%
714 \leftmargin\labelwidth
715 \advance\leftmargin\labelsep
716 \@openbib@code
717 \usecounter{enumiv}%
718 \let\p@enumiv\@empty
719 \renewcommand*{\theenumiv}{\@arabic\c@enumiv}}%
720 \sloppy\clubpenalty4000\widowpenalty4000%
721 \sfcode`\.\@m}
722 {\def\@noitemerr
723 {\@latex@warning{Empty `thebibliography' environment}}}%
724 \endlist}
725 \renewcommand*{\left@footnoterule{%
726 \kern-3\p@
727 \kern.5\baselineskip
728 \hrule\@width\unitindent
729 \kern.4\baselineskip
730 }
731 \renewcommand*{\right@footnoterule{%
732 \kern-3\p@
733 \kern.5\baselineskip
734 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
735 \kern.4\baselineskip}
736 \if@titlepage
737 \renewcommand*{\TitleFont}{\rmfamily}
738 \renewcommand*{\maketitle{%
739 \begin{titlepage}%
740 \let\footnotesize\small
741 \let\right@footnoterule\relax
742 \let\left@footnoterule\relax
743 \let\textwidth\footnoterule\relax
744 \let \footnote \thanks
745 \long\def\@makefnmark##1{\parindent\z@
746 \def\labelitemi{\textendash}\@revlabeltrue
747 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
748 \renewcommand*{\thefootnote}{\@fnsymbol\c@footnote}%
749 \if@compatibility\setcounter{page}{0}\fi
750 \null\vfil
751 \vskip 60\p@
752 \begin{center}%
753 \TitleFont
754 {\LARGE \def\\{\penalty -\@M}
755 \if@allcaps
756 \expandafter\uc@nothanks\@title\thanks\relax
757 \else
758 \@title
759 \fi\par}%
760 \vskip 3em%
761 {\large

```



```

762         \lineskip .75em \parindent\z@
763         \begin{tabular}[t]{c}%
764             \if@allcaps
765                 \expandafter\uc@authornothanks\@author\and\relax
766             \else
767                 \@author
768             \fi
769         \end{tabular}\par}%
770     \vskip 1.5em%
771     {\large
772         \if@allcaps
773             \uppercase\expandafter{\@date}%
774         \else
775             \@date
776         \fi\par}%
777     \end{center}\par
778     \@thanks
779     \vfil\null
780 \end{titlepage}%
781 \setcounter{footnote}{0}%
782 \global\let\thanks\relax
783 \global\let\maketitle\relax
784 \global\let\@thanks\@empty
785 \global\let\@author\@empty
786 \global\let\@title\@empty
787 \global\let\@date\@empty
788 \global\let\title\relax
789 \global\let\author\relax
790 \global\let\date\relax
791 \global\let\and\relax
792 }
793 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
794 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
795     \futurelet\@tempa\uc@ax}
796 \def\uc@ax{%
797     \ifx\@tempa\relax
798     \else
799         \\\andname \\\ \expandafter\uc@authornothanks
800     \fi}
801 \def\uc@tx{\ifx\@tempa\relax
802     \else \expandafter\uc@ty \fi}
803 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
804 \else
805 \renewcommand*\maketitle{\par
806     \begingroup
807         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
808         \def\@makefnmark{\rlap{%
809             \@textsuperscript{\normalfont\@thefnmark}}}%
810         \long\def\@makefntext{\@xmakefntext{%
811             \@textsuperscript{\normalfont\@thefnmark}}}%

```



```

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

```

7.11 artikel2-xetex-bidi.def

```

857 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class fo
858 \renewenvironment{theindex}{%

```



```

859 \if@twocolumn
860 \@restonecolfalse
861 \else
862 \@restonecoltrue
863 \fi
864 \columnseprule \z@
865 \columnsep 35\p@
866 \twocolumn[\section*{\indexname}]%
867 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
868 \thispagestyle{plain}\parindent\z@
869 \parskip\z@ \@plus .3\p@\relax
870 \let\item\@idxitem
871 }{%
872 \if@restonecol\onecolumn\else\clearpage\fi}
873 \renewcommand*\@regtocline[3]{%
874 \ifnum #1>\c@tocdepth
875 \else
876 \vskip\z@ \@plus .2\p@
877 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
878 \if@RTL\righskip\else\leftskip\fi\unitindent
879 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
880 \parfillskip\z@
881 \@tempdima\unitindent
882 \advance\@tempdima by \othermargin
883 \parindent\z@
884 \leavevmode
885 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
886 \hskip 1em \nobreak{\slshape #3}\par
887 }%
888 \fi}
889 \if@oldtoc
890 \renewcommand*\l@section[2]{%
891 \addpenalty\@secpenalty
892 \addvspace{1.0em \@plus\p@}%
893 \setlength\@tempdima{1.5em}%
894 \begingroup
895 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
896 \parfillskip -\@pnumwidth
897 \leavevmode \bfseries
898 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
899 \hskip -\if@RTL\righskip\else\leftskip\fi
900 #1\nobreak\hfil \nobreak\hbxt@\@pnumwidth{\hss #2}\par
901 \endgroup}
902 \else
903 \renewcommand*\l@section{\@regtocline{1}}
904 \fi
905 \if@oldtoc
906 \renewcommand*\l@part[2]{%
907 \ifnum \c@tocdepth >-2\relax
908 \addpenalty\@secpenalty

```



```

909 \addvspace{2.25em \@plus\p@}%
910 \begingroup
911 \setlength\@tempdima{3em}%
912 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
913 \parfillskip -\@pnumwidth
914 {\leavevmode
915 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
916 \nobreak
917 \if@compatibility
918 \global\@nobreaktrue
919 \everypar{\global\@nobreakfalse\everypar{}}%
920 \fi
921 \endgroup
922 \fi}
923 \else
924 \renewcommand*\l@part{%
925 \ifnum \c@tocdepth >-2\relax
926 \addpenalty\@secpenalty
927 \addvspace{2.25em \@plus \p@}%
928 \@regtocline{0}%
929 \fi}
930 \fi
931 \renewcommand*\head@style{%
932 \interlinepenalty \@M
933 \hyphenpenalty=\@M \exhyphenpenalty=\@M
934 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
935 \if@titlepage
936 \renewenvironment{abstract}{%
937 \titlepage
938 \null\vfil
939 \section*{\SectFont\abstractname}%
940 \noindent\ignorespaces}
941 {\par\vfil\null\endtitlepage}
942 \else
943 \renewenvironment{abstract}{%
944 \if@twocolumn
945 \section*{\abstractname}%
946 \else
947 \section*{\hskip\unitindent\small\SectFont\abstractname}%
948 \list{}{\setlength\listparindent{\unitindent}%
949 \setlength\parindent {\z@}%
950 \setlength\leftmargin {\unitindent}%
951 \setlength\rightmargin {\unitindent}%
952 \setlength\parsep {\z@}}%
953 \item[]%
954 \fi}
955 {\if@twocolumn\else\par\endlist\fi}
956 \fi
957 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
958 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}

```



```

959 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
960 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
961 \renewcommand*\left@footnoterule{%
962   \kern-3\p@
963   \hrule\@width 3\unitindent
964   \kern 2.6\p@
965 }
966 \renewcommand*\right@footnoterule{%
967   \kern-3\p@
968   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
969   \kern 2.6\p@}
970 \renewenvironment{thebibliography}[1]
971   {\section*{\refname}%
972     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
973     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
974     \bidi@thebibliography@font@hook%
975     \list{\@biblabel{\@arabic\c@enumiv}}%
976       {\settowidth\labelwidth{\@biblabel{#1}}%
977        \leftmargin\labelwidth
978        \advance\leftmargin\labelsep
979        \@openbib@code
980        \usecounter{enumiv}%
981        \let\p@enumiv\@empty
982        \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
983     \sloppy\clubpenalty4000\widowpenalty4000%
984     \sfcode\@. \@m}
985   {\def\@noitemerr
986     {\@latex@warning{Empty `thebibliography' environment}}%
987     \endlist}
988 \if@titlepage
989 \renewcommand*\TitleFont{\rmfamily}
990 \renewcommand*\maketitle{%
991   \begin{titlepage}%
992     \let\footnotesize\small
993     \let\right@footnoterule\relax
994     \let\left@footnoterule\relax
995     \let\textwidth\footnoterule\relax
996     \let\footnote\thanks
997     \long\def\@makefnmark##1{\parindent\z@
998       \def\labelitemi{\textendash}\@revlabeltrue
999       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1000   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1001   \if@compatibility\setcounter{page}{0}\fi
1002   \null\vfil
1003   \vskip 60\p@
1004   \begin{center}%
1005     \TitleFont
1006     {\LARGE \def\\{\penalty -\@M}
1007       \if@allcaps
1008         \expandafter\uc@nothanks\@title\thanks\relax

```



```

1009         \else
1010             \@title
1011         \fi\par}%
1012     \vskip 3em%
1013     {\large
1014         \lineskip .75em \parindent\z@
1015         \begin{tabular}[t]{c}%
1016             \if@allcaps
1017                 \expandafter\uc@authornothanks\@author\and\relax
1018             \else
1019                 \@author
1020             \fi
1021         \end{tabular}\par}%
1022     \vskip 1.5em%
1023     {\large
1024         \if@allcaps
1025             \uppercase\expandafter{\@date}%
1026         \else
1027             \@date
1028         \fi\par}%
1029     \end{center}\par
1030     \@thanks
1031     \vfil\null
1032 \end{titlepage}%
1033 \setcounter{footnote}{0}%
1034 \global\let\thanks\relax
1035 \global\let\maketitle\relax
1036 \global\let\@thanks\@empty
1037 \global\let\@author\@empty
1038 \global\let\@title\@empty
1039 \global\let\@date\@empty
1040 \global\let\title\relax
1041 \global\let\author\relax
1042 \global\let\date\relax
1043 \global\let\and\relax
1044 }
1045 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1046 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1047     \futurelet\@tempa\uc@ax}
1048 \def\uc@ax{%
1049     \ifx\@tempa\relax
1050     \else
1051         \\\andname \\\expandafter\uc@authornothanks
1052     \fi}
1053 \def\uc@tx{\ifx\@tempa\relax
1054     \else \expandafter\uc@ty \fi}
1055 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1056 \else
1057 \renewcommand*\maketitle{\par
1058     \begingroup

```



```

1059 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1060 \long\def\@makefnstext##1{\parindent\z@
1061 \def\labelitemi{\textendash}%
1062 \leavevmode\hb@xt@.5\unitindent{%
1063 \textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1064 \if@twocolumn
1065 \ifnum \col@number=\@ne
1066 \maketitle
1067 \else
1068 \twocolumn[\maketitle]%
1069 \fi
1070 \else
1071 \newpage
1072 \global\@topnum\z@
1073 \maketitle
1074 \fi
1075 \thispagestyle{plain}\@thanks
1076 \endgroup
1077 \setcounter{footnote}{0}%
1078 \global\let\thanks\relax
1079 \global\let\maketitle\relax
1080 \global\let\@maketitle\relax
1081 \global\let\@thanks\@empty
1082 \global\let\@author\@empty
1083 \global\let\@title\@empty
1084 \global\let\@date\@empty
1085 \global\let\title\relax
1086 \global\let\author\relax
1087 \global\let\date\relax
1088 \global\let\and\relax
1089 }
1090 \def\@maketitle{%
1091 \newpage
1092 \null
1093 \vskip 2em%
1094 \begin{center}%
1095 \let \footnote \thanks
1096 {\LARGE \TitleFont \@title \par}%
1097 \vskip 1.5em%
1098 {\large \TitleFont
1099 \lineskip .5em%
1100 \begin{tabular}[t]{c}%
1101 \author
1102 \end{tabular}\par}%
1103 \vskip 1em%
1104 {\large \TitleFont \@date}%
1105 \end{center}%
1106 \par
1107 \vskip 1.5em}
1108 \fi

```



7.12 artikel3-xetex-bidi.def

```

1109 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class fo
1110 \renewenvironment{theindex}{%
1111   \if@twocolumn
1112     \@restonecolfalse
1113   \else
1114     \@restonecoltrue
1115   \fi
1116   \columnseprule \z@
1117   \columnsep 35\p@
1118   \twocolumn[\section*{\indexname}]%
1119   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
1120   \thispagestyle{plain}\parindent\z@
1121   \parskip\z@ \@plus .3\p@\relax
1122   \let\item\@idxitem
1123 }{%
1124   \if@restonecol\onecolumn\else\clearpage\fi}
1125 \renewcommand*{\head@style}{%
1126   \interlinepenalty \@M
1127   \hyphenpenalty=\@M \exhyphenpenalty=\@M
1128   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1129 \renewcommand*{\regtocline}[3]{%
1130   \ifnum #1>\c@tocdepth
1131   \else
1132     \vskip\z@ \@plus.2\p@
1133     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1134     \if@RTL\rightskip\else\leftskip\fi\unitindent
1135     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1136     \parfillskip\z@
1137     \@tempdima\unitindent
1138     \parindent\z@
1139     \leavevmode
1140     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1141     \hskip 1em \nobreak{\slshape #3}\par
1142   }%
1143   \fi}
1144 \if@oldtoc
1145 \renewcommand*{\l@part}[2]{%
1146   \ifnum \c@tocdepth >-2\relax
1147     \addpenalty\@secpenalty
1148     \addvspace{2.25em \@plus\p@}%
1149     \begingroup
1150       \setlength{\@tempdima}{3em}%
1151       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1152       \parfillskip -\@pnumwidth
1153       {\leavevmode
1154         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1155         \nobreak
1156         \if@compatibility

```



```

1157         \global\@nbreaktrue
1158         \everypar{\global\@nbreakfalse\everypar{}}%
1159     \fi
1160 \endgroup
1161 \fi}
1162 \else
1163     \renewcommand*\l@part{%
1164         \ifnum \c@tocdepth >-2\relax
1165             \addpenalty\@secpenalty
1166             \addvspace{2.25em \@plus \p@}%
1167             \@regtocline{0}%
1168         \fi}
1169 \fi
1170
1171 \if@oldtoc
1172 \renewcommand*\l@section[2]{%
1173     \addpenalty\@secpenalty
1174     \addvspace{1.0em \@plus \p@}%
1175     \setlength\@tempdima{1.5em}%
1176     \begingroup
1177     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1178     \parfillskip -\@pnumwidth
1179     \leavevmode \bfseries
1180     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1181     \hskip -\if@RTL\rightskip\else\leftskip\fi
1182     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1183     \endgroup}
1184 \else
1185     \renewcommand*\l@section{\@regtocline{1}}
1186 \fi
1187 \if@titlepage
1188     \renewenvironment{abstract}{%
1189         \titlepage
1190         \null\vfil
1191         \section*{\SectFont\abstractname}%
1192         \noindent\ignorespaces
1193         {\par\vfil\null\endtitlepage}
1194     \else
1195         \renewenvironment{abstract}{%
1196             \if@twocolumn
1197                 \section*{\abstractname}%
1198             \else
1199                 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1200                 \section*{\small\SectFont\abstractname}%
1201                 \noindent\ignorespaces
1202                 \fi}
1203             {\if@twocolumn\else\par\egroup\fi}
1204         \fi
1205     \renewcommand*\left@footnoterule{%
1206         \kern-3\p@

```



```

1207 \kern.5\baselineskip
1208 \hrule\@width\unitindent
1209 \kern.4\baselineskip
1210 }
1211 \renewcommand*\right@footnoterule{%
1212 \kern-3\p@
1213 \kern.5\baselineskip
1214 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1215 \kern.4\baselineskip}
1216 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1217 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1218 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1219 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1220 \renewenvironment{thebibliography}[1]
1221 {\section*\refname}%
1222 {\mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
1223 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1224 \bidi@thebibliography@font@hook%
1225 \list{\@biblabel{\@arabic\c@enumiv}}%
1226 {\settowidth\labelwidth{\@biblabel{#1}}%
1227 \leftmargin\labelwidth
1228 \advance\leftmargin\labelsep
1229 \@openbib@code
1230 \usecounter{enumiv}%
1231 \let\p@enumiv\@empty
1232 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1233 \sloppy\clubpenalty4000\widowpenalty4000
1234 \sfcode`.\@m}
1235 {\def\@noitemerr
1236 {\@latex@warning{Empty `thebibliography' environment}}}%
1237 \endlist}
1238 \if@titlepage
1239 \renewcommand*\TitleFont{\rmfamily}
1240 \renewcommand*\maketitle{%
1241 \begin{titlepage}%
1242 \let\footnotesize\small
1243 \let\right@footnoterule\relax
1244 \let\left@footnoterule\relax
1245 \let\textwidth\footnoterule\relax
1246 \let\footnote\thanks
1247 \long\def\@makefnmark##1{\parindent\z@
1248 \def\labelitemi{\textendash}\@revlabeltrue
1249 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1250 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1251 \if@compatibility\setcounter{page}{0}\fi
1252 \null\vfil
1253 \vskip 60\p@
1254 \begin{center}%
1255 \TitleFont
1256 {\LARGE \def\\{\penalty -\@M}

```



```

1257     \if@allcaps
1258         \expandafter\uc@nothanks\@title\thanks\relax
1259     \else
1260         \@title
1261     \fi\par}%
1262 \vskip 3em%
1263 {\large
1264 \lineskip .75em \parindent\z@
1265 \begin{tabular}[t]{c}%
1266     \if@allcaps
1267         \expandafter\uc@authornothanks\@author\and\relax
1268     \else
1269         \@author
1270     \fi
1271 \end{tabular}\par}%
1272 \vskip 1.5em%
1273 {\large
1274 \if@allcaps
1275     \uppercase\expandafter{\@date}%
1276 \else
1277     \@date
1278 \fi\par}%
1279 \end{center}\par
1280 \@thanks
1281 \vfil\null
1282 \end{titlepage}%
1283 \setcounter{footnote}{0}%
1284 \global\let\thanks\relax
1285 \global\let\maketitle\relax
1286 \global\let\@thanks\@empty
1287 \global\let\@author\@empty
1288 \global\let\@title\@empty
1289 \global\let\@date\@empty
1290 \global\let\title\relax
1291 \global\let\author\relax
1292 \global\let\date\relax
1293 \global\let\and\relax
1294 }
1295 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1296 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1297     \futurelet\@tempa\uc@ax}
1298 \def\uc@ax{%
1299     \ifx\@tempa\relax
1300     \else
1301         \\\andname \\\expandafter\uc@authornothanks
1302     \fi}
1303 \def\uc@tx{\ifx\@tempa\relax
1304     \else \expandafter\uc@ty \fi}
1305 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1306 \else

```



```

1307 \renewcommand*\maketitle{\par
1308   \begin{group}
1309     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1310     \def\@makefnmark{\rlap{%
1311       \@textsuperscript{\normalfont\@thefnmark}}}%
1312     \long\def\@makefntext{\@xmakefntext{%
1313       \@textsuperscript{\normalfont\@thefnmark}}}%
1314     \if@twocolumn
1315       \ifnum \col@number=\@ne
1316         \@maketitle
1317       \else
1318         \twocolumn[\@maketitle]%
1319       \fi
1320     \else
1321       \newpage
1322       \global\@topnum\z@
1323       \@maketitle
1324     \fi
1325     \thispagestyle{plain}\@thanks
1326   \end{group}
1327   \setcounter{footnote}{0}%
1328   \global\let\thanks\relax
1329   \global\let\maketitle\relax
1330   \global\let\@maketitle\relax
1331   \global\let\@thanks\@empty
1332   \global\let\@author\@empty
1333   \global\let\@title\@empty
1334   \global\let\@date\@empty
1335   \global\let\title\relax
1336   \global\let\author\relax
1337   \global\let\date\relax
1338   \global\let\and\relax
1339 }
1340 \def\@maketitle{%
1341   \newpage
1342   \null
1343   \vskip 2em%
1344   \if@titlecentered
1345     \begin{center}%
1346       \let \footnote \thanks
1347       {\LARGE \TitleFont \@title \par}%
1348       \vskip 1.5em%
1349       {\large \TitleFont
1350         \lineskip .5em%
1351         \begin{tabular}[t]{c}%
1352           \@author
1353         \end{tabular}\par}%
1354       \vskip 1em%
1355       {\large \TitleFont \@date}%
1356     \end{center}%

```



```

1357 \else
1358   {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
1359   {\large \TitleFont \lineskip .5em \tabcolsep\z@
1360     \def\and{%% \begin{tabular} has already started
1361       \end{tabular}\hskip 1em plus .17fil
1362       \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}%% \end{tabular}
1363       \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\p
1364       \vskip 1em {\large \TitleFont \@date}
1365   \fi
1366   \par
1367   \vskip 1.5em}
1368 \fi

```

7.13 arydshln-xetex-bidi.def

```

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

```



```

1404 \if \@nextchar b5 \else
1405 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1406 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1407
1408 \def\@classz{\@classx
1409 \@tempcnta \count@
1410 \prepnext@tok
1411 \@addtopreamble{\ifcase \@chnum
1412 \hfil
1413 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1414 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1415 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1416 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1417 \adl@endmbox\or
1418 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1419 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1420 \fi}\prepnext@tok}
1421 \def\adl@class@start{4}
1422 \def\adl@class@iiiorvii{7}
1423
1424 \else
1425 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1426 \ifnum \@lastchclass=\thr@@ 5\relax \else
1427 \z@ \if #1c\@chnum \z@ \else
1428 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1429 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1430 \@chclass
1431 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1432 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1433 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1434 \if #1@\tw@ \else
1435 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1436 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1437
1438 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1439 \or \or \addamp \or
1440 \@acolampacol \or \@firststampfalse \@acol \fi
1441 \edef\@preamble{\@preamble
1442 \ifcase \@chnum
1443 \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1444 \or \adl@putlrc{\$relax\@sharp$}\hfil
1445 \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1446 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1447 \or \or \addamp \or
1448 \@acolampacol \or \@firststampfalse \@acol \fi
1449 \edef\@preamble{\@preamble
1450 \ifcase \@chnum
1451 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1452 \or \adl@putlrc{\@sharp\unskip}\hfil
1453 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}

```



```

1454 \def\adl@class@start{6}
1455 \def\adl@class@iiiorvii{3}
1456 \fi
1457 \ifpackageloaded{colortbl}{%
1458 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1459 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1460 \let\@endpbox\adl@org@endpbox}
1461 \let\adl@CT@setup\CT@setup
1462 \def\CT@setup{\adl@CT@setup
1463 \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1464 \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1465 \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1466 \let\adl@act@CT@setup\CT@setup
1467 \def\@classz{\@classx
1468 \@tempcnta\count@ \prepnext@tok
1469 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1470 \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1471 \expandafter\adl@extract@drsc
1472 \the\toks\@tempcnta\doublerulesepcolor!\@nil
1473 \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1474 \@addtopreamble{\ifRTL\beginL\fi%
1475 \setbox\z@\hbox\bgroup\bgroup\ifRTL\beginR\fi
1476 \ifcase \@chnum
1477 \hskip\stretch{.5}\kern\z@
1478 \d@llarbegin
1479 \insert@column
1480 \d@llarend\hskip\stretch{.5}%
1481 \or \d@llarbegin \insert@column \d@llarend \hfill
1482 \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1483 \or $\vcenter
1484 \startpbox{\@nextchar}\insert@column \endpbox $%
1485 \or \vtop \startpbox{\@nextchar}\insert@column \endpbox
1486 \or \vbox \startpbox{\@nextchar}\insert@column \endpbox
1487 \fi
1488 \ifRTL\endR\fi\egroup\egroup
1489 \begingroup
1490 \CT@setup
1491 \CT@column@color
1492 \CT@row@color
1493 \CT@cell@color
1494 \CT@do@color
1495 \endgroup
1496 \@tempdima\ht\z@
1497 \advance\@tempdima\minrowclearance
1498 \vrule\@height\@tempdima\@width\z@
1499 \unhbox\z@\ifRTL\endL\fi}%
1500 \prepnext@tok}
1501 \let\adl@act@classz\@classz
1502 \let\adl@org@classz\@classz
1503 }-}

```



7.14 bidi.sty

```
1504 \NeedsTeXFormat{LaTeX2e}
1505 \def\bididate{2017/10/11}
1506 \def\bidiversion{v31.5}
1507 \ProvidesPackage{bidi}[\bididate\space \bidiversion\space
1508 Bidirectional typesetting in plain TeX and LaTeX]
1509 \edef\@bidi@info{*****~J%
1510 * ~J%
1511 * bidi package (Bidirectional typesetting in~J%
1512 * plain TeX and LaTeX, using XeTeX engine)~J%
1513 * ~J%
1514 * Description: A convenient interface for~J%
1515 * typesetting bidirectional texts in plain TeX~J%
1516 * and LaTeX. The package includes adaptations~J%
1517 * for use with many other commonly-used packages.~J%
1518 * ~J%
1519 * Copyright (c) 2009--2017 Vafa Khalighi~J%
1520 * ~J%
1521 * \bididate, \bidiversion~J%
1522 * ~J%
1523 * License: LaTeX Project Public License, version~J%
1524 * 1.3c or higher (your choice)~J%
1525 * ~J%
1526 * Location on CTAN: /macros/xetex/latex/bidi~J%
1527 * ~J%
1528 * Issue tracker: https://github.com/tex-xet/bidi/issues~J%
1529 * ~J%
1530 * Support: persian-tex@tug.org~J%
1531 * ~J%
1532 *****}
1533 \typeout{\@bidi@info}
1534 \edef\bidi@everyjob{\the\everyjob}
1535 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1536 \edef\@bidi@strip@v@bidiversion{\expandafter\@gobble\bidiversion}
1537 \newcommand*\IfbidiPackageVersionLater}[1]{%
1538 \ifdim\@bidi@strip@v@bidiversion pt > #1 pt %
1539 \expandafter\@firstoftwo
1540 \else
1541 \expandafter\@secondoftwo
1542 \fi}
1543 \newcommand*\IfbidiPackageVersionBefore}[1]{%
1544 \ifdim\@bidi@strip@v@bidiversion pt < #1 pt %
1545 \expandafter\@firstoftwo
1546 \else
1547 \expandafter\@secondoftwo
1548 \fi}
1549 \newcommand*\IfbidiPackageVersion}[1]{%
1550 \ifdim\@bidi@strip@v@bidiversion pt = #1 pt %
1551 \expandafter\@firstoftwo
```



```

1552 \else
1553   \expandafter\@secondoftwo
1554 \fi}
1555 \RequirePackage{iftex}
1556 \RequireXeTeX
1557 \RequirePackage{biditools}
1558 \RequirePackage{zref-abspage}
1559 \RequirePackage{auxhook}
1560 \RequirePackage{ltxcmds}
1561 \RequirePackage{xkeyval}
1562 \eqnewif{\if@RTLmain}{\if@rlmain}
1563 \eqnewif{\if@RTL}{\if@rl}
1564 \newif\if@nonlatin
1565 \newcommand*{\setlatin}{\@nonlatinfalse}
1566 \newcommand*{\setnonlatin}{\@nonlatintrue}
1567 \eqnewif{\if@RTLtab}{\if@tab@rl}
1568 \newif\if@hboxRconstruct
1569 \newcommand*{\setRTLtable}{\@RTLtabtrue}
1570 \newcommand*{\setLTRtable}{\@RTLtabfalse}
1571 \newif\if@RTLmarginpar
1572 \newif\if@LTRmarginpar
1573 \newif\if@LTRbibitems
1574 \newif\if@RTLbibitems
1575 \newif\if@extrafootnotefeatures
1576 \newif\if@parafootRTL
1577 \newif\if@RTLcolumnfootnotes
1578 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1579 \newif\if@bidi@list@minipage@parbox
1580 \newif\if@bidi@list@minipage@parbox@not@nob
1581 \@RTLmainfalse
1582 \AtBeginDocument{%
1583   \if@RTLmain\else
1584     \if@RTL\@RTLmaintrue%
1585     \else\@RTLmainfalse%
1586     \fi%
1587   \fi%
1588 }
1589 \let\n@xt=\
1590 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1591 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1592 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1593 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1594 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1595   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1596 \input{latex-xetex-bidi.def}
1597 \input{loadingorder-xetex-bidi.def}
1598 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1599   \ifcase\bidi@tempb\relax
1600     \@RTLtrue
1601   \or

```



```

1602     \@RTLfalse
1603   \fi}
1604 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttorigh
1605   \ifcase\bidi@tempb\relax
1606     \@RTLtrue
1607   \or
1608     \@RTLfalse
1609   \fi}
1610 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{
1611   \ifcase\bidi@tempb\relax
1612     \@RTLtabtrue
1613   \or
1614     \@RTLtabfalse
1615   \fi}
1616 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
1617   \ifcase\bidi@tempb\relax
1618     \@nonlatinfalse
1619   \or
1620     \@nonlatintrue
1621   \fi}
1622 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1623   \ifcase\bidi@tempb\relax
1624     \@RTLtrue
1625   \or
1626     \@RTLfalse
1627   \fi}
1628 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,
1629   \ifcase\bidi@tempb\relax
1630     \autofootnoterule
1631   \or
1632     \leftfootnoterule
1633   \or
1634     \rightfootnoterule
1635   \or
1636     \SplitFootnoteRule
1637   \or
1638     \textwidthfootnoterule
1639   \fi}
1640 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttorigh
1641   \ifcase\bidi@tempb\relax
1642     \@RTL@footnotetrue
1643   \or
1644     \@RTL@footnotefalse
1645   \fi}
1646 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1647   \ifcase\bidi@tempb\relax
1648     \footdir@debugtrue
1649   \or
1650     \footdir@debugfalse
1651   \fi}

```



```

1652 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1653   \ifcase\bidi@tempb\relax
1654     \@extrafootnotefeaturestrue
1655   \or
1656     \@extrafootnotefeaturesfalse
1657   \fi}
1658
1659 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1660   \ifcase\bidi@tempb\relax
1661     \def\bidi@firstcolumn@status@write{%
1662       \protected@write\@auxout{%
1663         {\string\bidi@column@status
1664          {1}}}%
1665     \def\bidi@lastcolumn@status@write{%
1666       \protected@write\@auxout{%
1667         {\string\bidi@column@status{2}}}%
1668   \or
1669     \let\bidi@firstcolumn@status@write\relax
1670     \let\bidi@lastcolumn@status@write\relax
1671   \fi}
1672
1673 \ExecuteOptionsX{%
1674   DetectColumn=off
1675 }
1676
1677 \ProcessOptionsX
1678
1679 \if@extrafootnotefeatures
1680   \input{extrafootnotefeatures-xetex-bidi.def}
1681 \fi
1682 \newcount\bidi@digits
1683 \XeTeXinterchartokenstate=\@ne
1684 \newXeTeXintercharclass\bidi@digits@charclass
1685 \newXeTeXintercharclass\bidi@dot@charclass
1686 \newXeTeXintercharclass\bidi@dash@charclass
1687 \XeTeXcharclass \. \bidi@dot@charclass
1688 \XeTeXcharclass \- \bidi@dash@charclass
1689 \bidi@digits=\0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<
1690 \bidi@digits=\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<
1691 \XeTeXinterchartoks \bidi@digits@charclass \bidi@dot@charclass = {\DigitsDotDashInterCharTok
1692 \XeTeXinterchartoks \bidi@dot@charclass \bidi@digits@charclass = {\DigitsDotDashInterCharTok
1693 \XeTeXinterchartoks \bidi@digits@charclass \bidi@dash@charclass = {\DigitsDotDashInterCharTok
1694 \XeTeXinterchartoks \bidi@dash@charclass \bidi@digits@charclass = {\DigitsDotDashInterCharTok
1695 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}

```

7.15 bidi.tex

```

1696 \def\bididate{2015/10/16}
1697 \def\bidi\version{v0.3}
1698 \catcode\@=11

```



```

1699 \let \protect \relax
1700 \newlinechar`\^^J
1701 \edef\@bidi@info{*****^J%
1702 * ^J%
1703 * bidi package (Bidirectional typesetting in^J%
1704 * plain TeX and LaTeX, using XeTeX engine)^J%
1705 * ^J%
1706 * Description: A convenient interface for^J%
1707 * typesetting bidirectional texts in plain TeX^J%
1708 * and LaTeX. The package includes adaptations^J%
1709 * for use with many other commonly-used packages.^J%
1710 * ^J%
1711 * Copyright (c) 2009--2015 Vafa Khalighi^J%
1712 * ^J%
1713 * \bididate, \bidiversion^J%
1714 * ^J%
1715 * License: LaTeX Project Public License, version^J%
1716 * 1.3c or higher (your choice)^J%
1717 * ^J%
1718 * Location on CTAN: /macros/xetex/latex/bidi^J%
1719 * ^J%
1720 * Issue tracker: https://github.com/tex-xet/bidi/issues^J%
1721 * ^J%
1722 * Support: persian-tex@tug.org^J%
1723 * ^J%
1724 *****}
1725 \message{\@bidi@info}
1726 \edef\bidi@everyjob{\the\everyjob}
1727 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1728 \input iftex.sty
1729 \RequireXeTeX
1730 \newif\if@RTLmain
1731 \newif\if@RTL
1732 \newif\if@hboxRconstruct
1733 \newif\if@sentdir
1734 \newif\if@RTL@footnote
1735 \@RTLmainfalse
1736 \def\setRTLmain{%
1737   \if@RTLmain\else
1738     \if@RTL\@RTLmaintrue%
1739     \else\@RTLmainfalse%
1740     \fi%
1741   \fi%
1742 }
1743 \let\n@xt=\
1744 \protected\def\LRE{\protect\pLRE}%
1745 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1746 \protected\def\RLE{\protect\pRLE}
1747 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1748 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi

```



```

1749 \errmessage{Missing left brace has been substituted}\fi \bgroup}
1750 \input plain-xetex-bidi.def
1751 \catcode`@=12

```

7.16 bidi2in1.sty

```

1752 \NeedsTeXFormat{LaTeX2e}
1753 \ProvidesPackage{bidi2in1}
1754 \pagestyle{plain}
1755 \newcount\evenpage
1756 \newcount\oddpag
1757 \twocolumn
1758 \def\@oddfnfoot{\evenpage=\thepage%
1759 \multiply\evenpage by 2%
1760 \oddpag=\the\evenpage%
1761 \advance\oddpag by -1%
1762 \hfil\the\evenpage\hfil\hfil\the\oddpag\hfil}%
1763 \def\@evenfnfoot{\evenpage=\thepage%
1764 \multiply\evenpage by 2%
1765 \oddpag=\the\evenpage%
1766 \advance\oddpag by -1%
1767 \hfil\the\oddpag\hfil\hfil\the\evenpage\hfil}%
1768 \textwidth 9.49in
1769 \textheight 6.7in
1770 \columnsep 0.9in
1771 \columnseprule 0.125pt
1772 \headheight 0cm
1773 \topmargin 0in
1774 \marginparwidth 0in
1775 \marginparsep 0in
1776 \hoffset 0.05in % Corrected
1777 \voffset -0.5in %top margin space is 1.0in by default
1778 \oddsidemargin 0in
1779 \evensidemargin 0in
1780 \headsep 0cm
1781 \topskip 0cm
1782 \parskip 0.15in %
1783 \headsep 0pt
1784 \special{papersize=11.69in,8.26in}
1785 \renewcommand\maketitle{\par
1786 \begingroup
1787 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1788 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1789 \long\def\@makefnmark##1{\parindent 1em\noindent
1790 \hb@xt@1.8em{\%
1791 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1792 \maketitle
1793 \thanks
1794 \endgroup
1795 \setcounter{footnote}{0}%

```



```

1796 \global\let\thanks\relax
1797 \global\let\maketitle\relax
1798 \global\let\@maketitle\relax
1799 \global\let\@thanks\@empty
1800 \global\let\@author\@empty
1801 \global\let\@date\@empty
1802 \global\let\@title\@empty
1803 \global\let\title\relax
1804 \global\let\author\relax
1805 \global\let\date\relax
1806 \global\let\and\relax
1807 }

```

7.17 bidicode.sty

```

1808 \NeedsTeXFormat{LaTeX2e}
1809 \ProvidesPackage{bidicode}
1810 \RequirePackage{xcolor}
1811 \RequirePackage{showexpl}
1812 \definecolor{hellgelb}{rgb}{1,1,0.85}
1813 \definecolor{colKeys}{rgb}{0,0,1}
1814 \definecolor{colIdentifier}{rgb}{0,0,0}
1815 \definecolor{colComments}{rgb}{1,0,0}
1816 \definecolor{colString}{rgb}{0,0.5,0}
1817 \lstset{
1818     language=[LaTeX]TEX,
1819     float=hb,
1820     basicstyle=\ttfamily\small,
1821     identifierstyle=\color{colIdentifier},
1822     keywordstyle=\color{colKeys},
1823     stringstyle=\color{colString},
1824     commentstyle=\color{colComments},
1825     columns=flexible,
1826     tabsize=4,
1827     gobble =1,
1828     extendedchars=true,
1829     showspaces=false,
1830     showstringspaces=false,
1831     numbers=left,
1832     numbersep=0.9em,
1833     numberstyle=\tiny, %
1834     frame=single,
1835     captionpos=b,
1836     xleftmargin=1em,
1837     breaklines=true,
1838     breakautoindent=false,
1839     breakindent=0pt,
1840     escapeinside=**,
1841     pos=r,
1842     explpreset={%

```



```

1843 xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1844 morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1845 }
1846 \newcommand\HLON{%
1847 \gdef\lst@alloverstyle##1{%
1848 \fboxrule=0pt
1849 \fboxsep=0pt
1850 \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1851 }}
1852 \newcommand\HLOFF{%
1853 \xdef\lst@alloverstyle##1{##1}%
1854 }
1855 \newcommand\Larg [1]{\normalfont\itshape#1/}
1856 \newcommand\Larga[1]{\normalfont\angle$Larg{#1}$\rangle$}
1857 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
1858 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
1859 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
1860 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}
1861 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}
1862
1863 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
1864 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
1865 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`{}}
1866 \DeclareRobustCommand\lsb{\normalfont\ttfamily[}
1867 \DeclareRobustCommand\rsb{\normalfont\ttfamily]}
1868 \DeclareRobustCommand\lrb{\normalfont\ttfamily(}
1869 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}
1870
1871 \def\Lcs#1{\nxLcs{#1}}
1872 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
1873 \def\nxLcs#1{\texttt{\symbol{92}#1}}
1874
1875 \def\Coordx#1{$x_{#1}$}
1876 \def\Coordy#1{$y_{#1}$}
1877 \def\Coordz#1{$z_{#1}$}
1878 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
1879 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
1880 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
1881 \def\CAny{\Coordx{ },\kern 1pt\Coordy{ }}
1882 \def\CIIIAny{\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ }}
1883 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
1884 \def\coordin{(\Coordx{n},\kern 1pt\Coordy{n})}
1885 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
1886 \def\coordx#1{($x_{#1}$)}
1887 \def\coordy#1{($y_{#1}$)}
1888 \def\coordz#1{($z_{#1}$)}
1889 \def\cAny{(\Coordx{ },\kern 1pt\Coordy{ })}
1890 \def\ciiiiAny{(\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ })}
1891
1892 \newsavebox{\boxdef}

```



```

1893 \newenvironment{BDef}
1894   {\begin{lrbox}\boxdef
1895     \def\arraystretch{1.0}
1896     \begin{tabular}{@{}l@{}l@{}l@{}}
1897   }
1898   {\end{tabular}\end{lrbox}}
1899
1900   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
1901   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1902 }
1903
1904 \newenvironment{BDef*}
1905   {\begin{lrbox}\boxdef
1906     \def\arraystretch{1.0}
1907     \begin{tabular}{@{}l@{}l@{}l@{}}
1908   }
1909   {\end{tabular}\end{lrbox}}
1910   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
1911   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1912 }
1913 \newenvironment{BCmd}{
1914   \@beginparpenalty-\@lowpenalty
1915   \topsep\BDefaboveskip
1916   \fbboxsep3pt
1917   \flushleft}
1918   {\@endparpenalty\@M
1919   \@topsepadd\BDefbelowskip
1920   \endflushleft}
1921
1922 \newenvironment{BCmd*}{
1923   \@beginparpenalty\@M
1924   \topsep\BDefinlineskip
1925   \fbboxsep3pt
1926   \flushleft}
1927   {\@endparpenalty5000
1928   \endflushleft}
1929
1930 \newskip\BDefaboveskip
1931 \newskip\BDefbelowskip
1932 \newskip\BDefinlineskip
1933 \setlength\BDefaboveskip{10pt plus 4pt}
1934 \setlength\BDefbelowskip{6pt}
1935 \setlength\BDefinlineskip{6pt}
1936
1937 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
1938 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
1939 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
1940 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```



7.18 bidiftnxtra.sty

```
1941 \NeedsTeXFormat{LaTeX2e}
1942 \ProvidesPackage{bidiftnxtra}
1943 \newtoks\bidip@ftn
1944 \let\FN@sffootnote\footnote
1945 \let\FN@sffootnote@L\LTRfootnote
1946 \let\FN@sffootnote@R\RTLfootnote
1947 \def\footnote{\ifx\protect\@typeset@protect
1948   \expandafter\FN@sffootnote
1949   \else
1950   \expandafter\FN@sffootnote@opt
1951   \fi
1952 }
1953 \def\LTRfootnote{\ifx\protect\@typeset@protect
1954   \expandafter\FN@sffootnote@L
1955   \else
1956   \expandafter\FN@sffootnote@opt
1957   \fi
1958 }
1959 \def\RTLfootnote{\ifx\protect\@typeset@protect
1960   \expandafter\FN@sffootnote@R
1961   \else
1962   \expandafter\FN@sffootnote@opt
1963   \fi
1964 }
1965 \edef\FN@sffootnote@opt{\noexpand\protect
1966   \expandafter\noexpand\csname FN@sffootnote@opt \endcsname}
1967 \expandafter\def\csname FN@sffootnote@opt \endcsname{%
1968   \@ifnextchar[%]
1969     \FN@sffootnote@twobracket
1970     \@gobble
1971 }
1972 \def\FN@sffootnote@twobracket[#1]#2{}
1973 \let\FN@sffootnotemark\footnotemark
1974 \def\footnotemark{\ifx\protect\@typeset@protect
1975   \expandafter\FN@sffootnotemark
1976   \else
1977   \expandafter\FN@sffootnotemark@optonly
1978   \fi
1979 }
1980 \edef\FN@sffootnotemark@optonly{\noexpand\protect
1981   \expandafter\noexpand\csname FN@sffootnotemark@optonly \endcsname}
1982 \expandafter\def\csname FN@sffootnotemark@optonly \endcsname{%
1983   \@ifnextchar[%]
1984     \FN@sffootnotemark@bracket
1985     {}%
1986 }
1987 \def\FN@sffootnotemark@bracket[#1]{}
1988 \def\@tabular{%
```



```

1989 \leavevmode \hbox \bgroup
1990 \let\@footnotetext\@bidi@p@ftntext
1991 \let\@LTRfootnotetext\@bidi@p@LTRftntext
1992 \let\@RTLfootnotetext\@bidi@p@RTLftntext
1993 \let\@xfootnotenext\@bidi@p@xftntext
1994 \let\@xfootnote\@bidi@p@xfootnote
1995 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
1996 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
1997 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
1998 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
1999 \ifRTLtab\beginR \fi
2000 $\let\@acol\@tabacol
2001 \let\@classz\@tabclassz
2002 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
2003 \def\endtabular{\crr\egroup\ifRTLtab\egroup\endR\egroup\fi
2004 \egroup $\ifRTLtab\endR\fi\egroup
2005 \ifx\@capytype\@undefined
2006 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
2007 \long\def\@bidi@p@ftntext#1{%
2008 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
2009 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2010 \long\def\@bidi@p@LTRftntext#1{%
2011 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2012 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2013 \long\def\@bidi@p@RTLftntext#1{%
2014 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2015 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
2016
2017
2018 \long\def\@bidi@p@xftntext[#1]#2{%
2019 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}
2020
2021 \long\def\@bidi@p@xLTRftntext[#1]#2{%
2022 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\LTRfootnotetext[#1]{#2}}}
2023
2024 \long\def\@bidi@p@xRTLftntext[#1]#2{%
2025 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\RTLfootnotetext[#1]{#2}}}
2026
2027
2028 \def\@bidi@p@xfootnote[#1]{%
2029 \begingroup
2030 \csname c@\@mpfn\endcsname #1\relax
2031 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2032 \endgroup
2033 \@footnotemark\@bidi@p@xftntext[#1]}
2034
2035
2036 \def\@bidi@p@xLTRfootnote[#1]{%
2037 \begingroup
2038 \csname c@\@mpfn\endcsname #1\relax

```



```

2039     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2040 \endgroup
2041 \@footnotemark\bidip@xLTRftntext[#1]}
2042
2043
2044 \def\bidip@xRTLfootnote[#1]{%
2045     \begingroup
2046     \csname c@\mpfn\endcsname #1\relax
2047     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2048     \endgroup
2049     \@footnotemark\bidip@xRTLftntext[#1]}
2050
2051 \def\@xfloat #1[#2]{%
2052     \@nodoocument
2053     \def \@captype {#1}%
2054     \def \@fps {#2}%
2055     \@onelevel@sanitize \@fps
2056     \def \reserved@a {!}%
2057     \ifx \reserved@a \@fps
2058         \@fpsadddefault
2059     \else
2060         \ifx \@fps \@empty
2061             \@fpsadddefault
2062         \fi
2063     \fi
2064     \ifhmode
2065         \@bsphack
2066         \@floatpenalty -\@Mii
2067     \else
2068         \@floatpenalty-\@Miii
2069     \fi
2070     \ifinner
2071         \@parmoderr\@floatpenalty\z@
2072     \else
2073         \@next\@currbox\@freelist
2074         {%
2075             \@tempcnta \sixt@@n
2076             \expandafter \@tfor \expandafter \reserved@a
2077             \expandafter :\expandafter =\@fps
2078             \do
2079             {%
2080                 \if \reserved@a h%
2081                     \ifodd \@tempcnta
2082                     \else
2083                         \advance \@tempcnta \@ne
2084                     \fi
2085                 \fi
2086                 \if \reserved@a t%
2087                     \setfpsbit \tw@
2088                 \fi

```



```

2089         \if \reserved@a b%
2090             \@setfpsbit 4%
2091         \fi
2092         \if \reserved@a p%
2093             \@setfpsbit 8%
2094         \fi
2095         \if \reserved@a !%
2096             \ifnum \@tempcnta>15
2097                 \advance\@tempcnta -\sixt@@n\relax
2098             \fi
2099         \fi
2100     }%
2101     \@tempcntb \csname ftype@\@capttype \endcsname
2102     \multiply \@tempcntb \@xxxii
2103     \advance \@tempcnta \@tempcntb
2104     \global \count\@currbox \@tempcnta
2105 }%
2106 \@fltovf
2107 \fi
2108 \global \setbox\@currbox
2109     \color@vbox
2110     \normalcolor
2111     \vbox \bgroup
2112         \let\@footnotetext\@bidi@p@ftntext
2113         \let\@LTRfootnotetext\@bidi@p@LTRftntext
2114         \let\@RTLfootnotetext\@bidi@p@RTLftntext
2115         \let\@xfootnotenext\@bidi@p@xftntext
2116         \let\@xfootnote\@bidi@p@xfootnote
2117         \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2118         \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2119         \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2120         \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2121         \hsize\columnwidth
2122         \@parboxrestore
2123         \@floatboxreset
2124 }
2125 \def \@endfloatbox{%
2126     \par\vskip\z@skip          %% \par\vskip\z@ added 15 Dec 87
2127     \@minipagefalse
2128     \outer@nobreak
2129     \egroup                    %% end of vbox
2130     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2131     \color@endbox
2132 }

```

7.19 bidimoderncv.cls

```

2133 \NeedsTeXFormat{LaTeX2e}
2134 \ProvidesClass{bidimoderncv}
2135 \newif\if@DEBUG\@DEBUGfalse

```



```

2136 \DeclareOption{a4paper}{
2137   \setlength\paperheight{297mm}
2138   \setlength\paperwidth{210mm}}
2139 \DeclareOption{a5paper}{
2140   \setlength\paperheight{210mm}
2141   \setlength\paperwidth{148mm}}
2142 \DeclareOption{b5paper}{
2143   \setlength\paperheight{250mm}
2144   \setlength\paperwidth{176mm}}
2145 \DeclareOption{letterpaper}{
2146   \setlength\paperheight{11in}
2147   \setlength\paperwidth{8.5in}}
2148 \DeclareOption{legalpaper}{
2149   \setlength\paperheight{14in}
2150   \setlength\paperwidth{8.5in}}
2151 \DeclareOption{executivepaper}{
2152   \setlength\paperheight{10.5in}
2153   \setlength\paperwidth{7.25in}}
2154 \DeclareOption{landscape}{
2155   \setlength\@tempdima{\paperheight}
2156   \setlength\paperheight{\paperwidth}
2157   \setlength\paperwidth{\@tempdima}}
2158 \newcommand\@ptsize{}
2159 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2160 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2161 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2162 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2163 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2164 \newif\if@colour\@colourtrue
2165 \DeclareOption{nocolour}{\@colourfalse}
2166 \ExecuteOptions{a4paper,11pt,colour,final}
2167 \ProcessOptions\relax
2168 \input{size1\@ptsize.clo}
2169 \RequirePackage{color}
2170 \RequirePackage{graphicx}
2171 \RequirePackage{ifthen}
2172 \RequirePackage{marvosym}
2173 \addtolength{\oddsidemargin}{-54pt}
2174 \addtolength{\textwidth}{109pt}
2175 \addtolength{\topmargin}{-70pt}
2176 \addtolength{\textheight}{122pt}
2177 \addtolength{\marginparsep}{-5pt}
2178 \addtolength{\marginparwidth}{-10pt}
2179 \RequirePackage{url}
2180 \RequirePackage{hyperref}
2181 \hypersetup{
2182   breaklinks,
2183   baseurl      = http://,%
2184   pdfborder    = 0 0 0,%
2185   pdfpagemode  = UseNone,%

```



```

2186 pdfstartpage = 1}
2187 \AtEndOfClass{%
2188   \AtBeginDocument{%
2189     \hypersetup{%
2190       pdfauthor   = \@firstname~\@familyname,%
2191       pdftitle    = \@title,%
2192       pdfsubject  = \@firstname~\@familyname,%
2193       pdfkeywords = \@resumename~\@firstname~\@familyname}}}
2194 \urlstyle{tt}
2195 \RequirePackage{fancyhdr}
2196 \fancypagestyle{plain}{%
2197   \renewcommand{\headrulewidth}{0pt}
2198   \renewcommand{\footrulewidth}{0pt}
2199   \fancyhf{}}
2200 \pagestyle{plain}
2201 \setlength\lineskip{1\p@}
2202 \setlength\normallineskip{1\p@}
2203 \renewcommand\baselinestretch{}
2204 \setlength{\parindent}{0pt}
2205 \setlength{\parskip}{0pt}
2206 \setlength\columnsep{10\p@}
2207 \setlength\columnseprule{0\p@}
2208 \pagestyle{empty}
2209 \pagenumbering{arabic}
2210 \raggedbottom
2211 \onecolumn
2212 \providecommand*\listitemsymbol{\textbullet}
2213 \providecommand*\addresssymbol{}
2214 \providecommand*\mobilesymbol{\Mobilefone}
2215 \providecommand*\phonesymbol{\Telefon}
2216 \providecommand*\faxsymbol{\FAX}
2217 \providecommand*\emailsymbol{\Letter}
2218 \definecolor{firstnamecolour}{rgb}{0,0,0}
2219 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2220 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
2221 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2222 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2223 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2224 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2225 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2226 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2227 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2228 \providecommand*\firstnamefont{}
2229 \providecommand*\familynamefont{}
2230 \providecommand*\titlefont{}
2231 \providecommand*\addressfont{}
2232 \providecommand*\quoteftfont{}
2233 \providecommand*\sectionfont{}
2234 \providecommand*\subsectionfont{}
2235 \providecommand*\hintfont{\small}

```



```

2236 \providecommand*\firstnamestyle}[1]{\firstnamefont\@firstnamecolour#1}
2237 \providecommand*\familynamestyle}[1]{\familynamefont\@familynamecolour#1}
2238 \providecommand*\titlestyle}[1]{\titlefont\@titlecolour#1}
2239 \providecommand*\addressstyle}[1]{\addressfont\@addresscolour#1}
2240 \providecommand*\quotestyle}[1]{\quotefont\@quotecolour#1}
2241 \providecommand*\sectionstyle}[1]{\sectionfont\@sectiontitlecolour#1}
2242 \providecommand*\subsectionstyle}[1]{\subsectionfont\@subsectioncolour#1}
2243 \providecommand*\hintstyle}[1]{\hintfont\@hintcolour#1}
2244 \newcommand*\cvtheme}[2][]{
2245   \def\@cvtheme{#2}
2246   \def\@cvthemeoptions{#1}
2247   \cvtheme{bidi-casual}
2248   \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2249   \newcommand*\resumename}[1]{\def\@resumename{#1}}
2250   \newcommand*\firstname}[1]{\def\@firstname{#1}}
2251   \newcommand*\familyname}[1]{\def\@familyname{#1}}
2252   \renewcommand*\title}[1]{\def\@title{#1}}
2253   \newcommand*\address}[1]{\def\@address{#1}}
2254   \newcommand*\mobile}[1]{\def\@mobile{#1}}
2255   \newcommand*\phone}[1]{\def\@phone{#1}}
2256   \renewcommand*\fax}[1]{\def\@fax{#1}}
2257   \newcommand*\email}[1]{\def\@email{#1}}
2258   \newcommand*\extrainfo}[1]{\def\@extrainfo{#1}}
2259   \def\@photowidth{0pt}
2260   \newcommand*\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2261   \newcommand*\quote}[1]{\def\@quote{#1}}
2262   \newlength{\quotewidth}
2263   \newlength{\hintscolumnwidth}
2264   \newlength{\separatorcolumnwidth}
2265   \setlength{\separatorcolumnwidth}{0.025\textwidth}
2266   \newlength{\maincolumnwidth}
2267   \newlength{\doubleitemmaincolumnwidth}
2268   \newlength{\listitemsymbolwidth}
2269   \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
2270   \newlength{\listitemmaincolumnwidth}
2271   \newlength{\listdoubleitemmaincolumnwidth}
2272   \newcommand*\recomputethemelengths{}
2273   \newcommand*\recomputelengths{%
2274     \setlength{\quotewidth}{0.65\textwidth}%
2275     \setlength{\maincolumnwidth}{\textwidth}%
2276     \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2277     \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2278     \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2279     \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2280     \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2281     \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2282     \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2283     \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2284     \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2285     \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%

```



```

2286 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2287 \renewcommand{\headwidth}{\textwidth}%
2288 \recomputethemelengths}
2289 \setlength{\hintscolumnwidth}{0.15\textwidth}
2290 \recomputelengths
2291 \title{}
2292 \renewcommand*{\maketitle}{}
2293 \newcommand*{\section}[1]{%
2294 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2295 \phantomsection}%
2296 \addcontentsline{toc}{part}{#1}%
2297 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}\section{#1}}}%
2298 \hspace{\separatorcolumnwidth}%
2299 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\[1ex]}
2300 \newcommand*{\subsection}[1]{%
2301 \cvline[0.45em]{\subsectionstyle{#1}}}%
2302 \newcommand*{\cvline}[3][.25em]{%
2303 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}}
2304 \bidi@raggedleft\hintfont{#2} &{#3}%
2305 \end{tabular}\[\[#1]}
2306 \newcommand*{\cvdoubleitem}[4]{%
2307 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2308 \hfill%
2309 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\separatorcolumnwidth}%
2310 \newcommand*{\cvlistitem}[2][\listitemsymbol]{%
2311 \cvline[Opt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}%
2312 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{%
2313 \cvline[Opt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2314 \hfill%
2315 \ifthenelse{\equal{#3}{}}{}%
2316 {}%
2317 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
2318 \newcommand*{\cventry}[6]{%
2319 \cvline{#1}{%
2320 {\bfseries#2}%
2321 \ifx#3\else{, {\slshape#3}}\fi%
2322 \ifx#4\else{, #4}\fi%
2323 \ifx#5\else{, #5}\fi%
2324 .%
2325 \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2326 }%
2327 \newcommand*{\cvlanguage}[3]{%
2328 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{minipage}[t]{.775\maincolumnwidth}\small#3\end{minipage}}%
2329 \newcommand*{\cvcomputer}[4]{%
2330 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2331 \newcommand*{\link}[2][{}]{%
2332 \ifthenelse{\equal{#1}{}}{}%
2333 {\href{#2}{#2}}%
2334 {\href{#2}{#1}}}
2335 \newcommand*{\httplink}[2][{}]{%

```



```

2336 \ifthenelse{\equal{#1}{}}%
2337   {\href{http://#2}{#2}}%
2338   {\href{http://#2}{#1}}
2339 \newcommand*\emai link[2][]{%
2340   \ifthenelse{\equal{#1}{}}%
2341     {\href{mailto:#2}{#2}}%
2342     {\href{mailto:#2}{#1}}
2343 \newif\if@displaypagenumbers\@displaypagenumberstrue
2344 \newcommand*\nopagenumbers{\@displaypagenumbersfalse}
2345 \AtBeginDocument{%
2346   \if@displaypagenumbers%
2347     \@ifundefined{r@lastpage}{}%
2348     \ifthenelse{\pageref{lastpage} > 1}{%
2349       \fancyfootstyle{plain}{%
2350         \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\page
2351         \pagestyle{plain}}}%
2352     \AtEndDocument{\label{lastpage}}%
2353   \fi}
2354 \newlength{\bibindent}
2355 \setlength{\bibindent}{1.5em}
2356 \newcommand*\bibliographyitemlabel{\includegraphics{bibitem.pdf}}
2357 \newenvironment{thebibliography}[1]{%
2358   {%
2359     \section{\refname}%
2360     \small%
2361     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2362     \bidi@thebibliography@font@hook%
2363     \begin{list}{\bibliographyitemlabel}%
2364       {%
2365         \setlength{\topsep}{0pt}%
2366         \setlength{\labelwidth}{\hintscolumnwidth}%
2367         \setlength{\labelsep}{\separatorcolumnwidth}%
2368         \leftmargin\labelwidth%
2369         \advance\leftmargin\labelsep%
2370         \@openbib@code%
2371         \usecounter{enumiv}%
2372         \let\p@enumiv\@empty%
2373         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2374         \sloppy\clubpenalty4000\widowpenalty4000%
2375     }%
2376   {%
2377     \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2378     \end{list}%
2379   }
2380 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2381 \let\@openbib@code\@empty

```

7.20 biditools.sty

```

2382 \NeedsTeXFormat{LaTeX2e}

```



```

2383 \ProvidesPackage{biditools}[2017/10/11 v1.2 Programming tools for bidi package]
2384 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
2385   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2386   \ifx\@tempa\@tempb \global\let#2#1%
2387   \else
2388     \edef\@tempb{\meaning#2}%
2389     \ifx\@tempa\@tempb
2390     \else
2391       \@latex@error{Unable to properly define \string#2; primitive
2392         \noexpand#1no longer primitive}\@eha
2393     \fi
2394   \fi
2395 \endgroup}
2396 \newtoks\@bidi@envbody
2397 \newtoks\@bidi@emptytoks
2398 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2399 \def\bidi@collect@body#1{%
2400   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2401   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
2402   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2403   \begingroup
2404   \expandafter\let\csname\@currentvir\endcsname\bidi@collect@@body
2405   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
2406   \bidi@process@envbody
2407 }
2408 \def\bidi@push@begins#1\begin#2{%
2409   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2410 }
2411 \def\bidi@collect@@body#1\end#2{%
2412   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2413   \ifx\@empty\begin@bidi@stack
2414     \endgroup
2415     \@checkend{#2}%
2416     \bidi@addto@envbody{#1}%
2417   \else
2418     \bidi@addto@envbody{#1\end{#2}}%
2419   \fi
2420   \bidi@process@envbody % A little tricky! Note the grouping
2421 }
2422 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2423 \long\def\bidi@collect@long@body#1{%
2424   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2425   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
2426   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2427   \begingroup
2428   \expandafter\let\csname\@currentvir\endcsname\bidi@collect@long@@body
2429   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
2430   \bidi@process@envbody
2431 }
2432 \long\def\bidi@push@long@begins#1\begin#2{%

```



```

2433 \ifx\end#2\else b\expandafter\bidipush@long@begins\fi
2434 }
2435 \long\def\bidicollect@long@@body#1\end#2{%
2436 \edef\begin@bidi@stack{\bidipush@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@s
2437 \ifx\@empty\begin@bidi@stack
2438 \endgroup
2439 \@checkend{#2}%
2440 \bidi@addto@long@envbody{#1}%
2441 \else
2442 \bidi@addto@long@envbody{#1\end{#2}}%
2443 \fi
2444 \bidi@process@envbody % A little tricky! Note the grouping
2445 }
2446 \long\def\bidinew@ifnextchar#1#2#3{%
2447 \let\reserved@d= #1%
2448 \def\reserved@a{#2}\def\reserved@b{#3}%
2449 \futurelet\@let@token\bidinew@ifnch
2450 }
2451 \def\bidinew@ifnch{%
2452 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2453 \reserved@b
2454 }
2455 \def\bidimatrix@check#1{%
2456 \expandafter\ifx\csname\@currentenv\endcsname#1%
2457 \else\bidimatrix@error#1%
2458 \expandafter\@gobble
2459 \fi
2460 }
2461 \def\bidimatrix@error#1{%
2462 \PackageError{biditools}{%
2463 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2464 }{%
2465 '\string#1{...}' is old bidi package syntax whose use is
2466 ill-advised in the old versions of bidi package.%
2467 }%
2468 }
2469 \def\@tagsextension{clo}
2470 \def\@definitionfileextension{def}
2471 \def\@texfileextension{tex}
2472 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2473 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2474 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2475 \def\eqnewif#1#2{%
2476 \count@\escapechar \escapechar\m@ne
2477 \let#1\iffalse
2478 \let#2\iffalse
2479 \eq@if#1#2\iftrue
2480 \eq@if#1#2\iffalse
2481 \escapechar\count@}
2482 \def\eq@if#1#2#3{%

```



```

2483 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2484         \expandafter\@gobbletwo\string#3\endcsname
2485         {\let#1#3%
2486         \let#2#3}%
2487 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2488         \expandafter\@gobbletwo\string#3\endcsname
2489         {\let#2#3%
2490         \let#1#3}}
2491 \newcommand*\@SetBoolean}[2]{%
2492 \lowercase{\def\@tempa{#2}}%
2493 \@ifundefined{\@tempa\@tempa}%
2494     {\PackageError{biditools}%
2495     {You can only set a boolean to `true' or `false'}\@ehc}%
2496     {\@ifundefined{#1\@tempa}%
2497     {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2498     {\csname#1\@tempa\endcsname}}}
2499 \newcommand*\@GlobalSetBoolean}[2]{%
2500 \lowercase{\def\@tempa{#2}}%
2501 \@ifundefined{\@tempa\@tempa}%
2502     {\PackageError{biditools}%
2503     {You can only set a boolean to `true' or `false'}\@ehc}%
2504     {\@ifundefined{#1\@tempa}%
2505     {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2506     {\global\csname#1\@tempa\endcsname}}}
2507 \newcommand*\@SetatBoolean}[2]{%
2508 \lowercase{\def\@tempa{#2}}%
2509 \@ifundefined{\@tempa\@tempa}%
2510     {\PackageError{biditools}%
2511     {You can only set a boolean to `true' or `false'}\@ehc}%
2512     {\@ifundefined{@#1\@tempa}%
2513     {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2514     {\csname @#1\@tempa\endcsname}}}
2515 \newcommand*\@GlobalSetatBoolean}[2]{%
2516 \lowercase{\def\@tempa{#2}}%
2517 \@ifundefined{\@tempa\@tempa}%
2518     {\PackageError{biditools}%
2519     {You can only set a boolean to `true' or `false'}\@ehc}%
2520     {\@ifundefined{@#1\@tempa}%
2521     {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2522     {\global\csname @#1\@tempa\endcsname}}}
2523 \def\@bidi@removefromreset#1#2{%
2524 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2525 \def\@elt##1{%
2526 \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2527 \else
2528 \noexpand\@elt{##1}%
2529 \fi}%
2530 \expandafter\xdef\csname cl@#2\endcsname{%
2531 \csname cl@#2\endcsname}}
2532 \newcommand*\@ifRtoL{%

```



```

2533 \if@RTL
2534 \expandafter\@firstoftwo
2535 \else
2536 \expandafter\@secondoftwo
2537 \fi}
2538 \newcommand*\ifLtoR}{%
2539 \if@RTL
2540 \expandafter\@secondoftwo
2541 \else
2542 \expandafter\@firstoftwo
2543 \fi}
2544 \newcommand*\ifRtoLtable}{%
2545 \if@RTLtab
2546 \expandafter\@firstoftwo
2547 \else
2548 \expandafter\@secondoftwo
2549 \fi}
2550 \newcommand*\ifLtoRtable}{%
2551 \if@RTLtab
2552 \expandafter\@secondoftwo
2553 \else
2554 \expandafter\@firstoftwo
2555 \fi}
2556 \newcommand*\ifRtoLhboxconstruct}{%
2557 \if@hboxRconstruct
2558 \expandafter\@firstoftwo
2559 \else
2560 \expandafter\@secondoftwo
2561 \fi}
2562 \newcommand*\ifLtoRhboxconstruct}{%
2563 \if@hboxRconstruct
2564 \expandafter\@secondoftwo
2565 \else
2566 \expandafter\@firstoftwo
2567 \fi}
2568 \newcommand*\iflatin}{%
2569 \if@nonlatin
2570 \expandafter\@secondoftwo
2571 \else
2572 \expandafter\@firstoftwo
2573 \fi}
2574 \newcommand*\ifnonlatin}{%
2575 \if@nonlatin
2576 \expandafter\@firstoftwo
2577 \else
2578 \expandafter\@secondoftwo
2579 \fi}
2580
2581 \newcommand*\bidi@convert@dimen@t@unit}[2]{%
2582 \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}

```



```

2583
2584 \newcommand*{\bidi@convert@dimen@t@pt}[1]{%
2585     \dimexpr #1*65536/\dimexpr 1pt\relax}
2586
2587 \newcommand*{\if@bidi@csdef}[1]{%
2588     \ifcsname#1\endcsname
2589     \expandafter\@firstoftwo
2590 \else
2591     \expandafter\@secondoftwo
2592 \fi}
2593 \newcommand*{\if@bidi@csundef}[1]{%
2594     \ifcsname#1\endcsname
2595     \expandafter\ifx\csname#1\endcsname\relax
2596     \expandafter\expandafter
2597     \expandafter\@firstoftwo
2598 \else
2599     \expandafter\expandafter
2600     \expandafter\@secondoftwo
2601 \fi
2602 \else
2603     \expandafter\@firstoftwo
2604 \fi}
2605 \newcommand{\if@bidi@def}[1]{%
2606     \ifdefined#1%
2607     \expandafter\@firstoftwo
2608 \else
2609     \expandafter\@secondoftwo
2610 \fi}
2611 \newcommand{\if@bidi@undef}[1]{%
2612     \ifdefined#1%
2613     \ifx#1\relax
2614     \expandafter\expandafter
2615     \expandafter\@firstoftwo
2616 \else
2617     \expandafter\expandafter
2618     \expandafter\@secondoftwo
2619 \fi
2620 \else
2621     \expandafter\@firstoftwo
2622 \fi}
2623 \newcommand{\if@bidi@blank}[1]{% from url.sty
2624     \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2625 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2626 \newcommand{\bidi@notblank}[1]{%
2627     \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2628 \newcommand{\if@bidi@defmacro}{%
2629 \long\edef\if@bidi@defmacro#1{%
2630     \noexpand\expandafter\noexpand\bidi@ifdefmacro
2631     \noexpand\meaning#1\detokenize{macro}:&}
2632 \edef\bidi@ifdefmacro{%

```



```

2633 \def\noexpand\bid@ifdefmacro##1\detokenize{macro}:#2&}
2634 \bid@ifdefmacro{\bid@notblank{#2}}
2635 \newcommand*{\if@bid@csmacro}[1]{%
2636 \if@bid@csdef{#1}
2637 {\expandafter\if@bid@defmacro\csname#1\endcsname}
2638 {\@secondoftwo}}
2639 \newcommand{\if@bid@defprimitive}[1]{%
2640 \ifprimitive#1%
2641 \expandafter\@firstoftwo
2642 \else
2643 \expandafter\@secondoftwo
2644 \fi}
2645 \newcommand{\if@bid@csprimitive}[1]{%
2646 \begingroup\expandafter\expandafter\endgroup%
2647 \expandafter\ifprimitive\csname#1\endcsname%
2648 \expandafter\@firstoftwo
2649 \else
2650 \expandafter\@secondoftwo
2651 \fi}
2652 \newcommand*{\bid@csdefcs}[2]{%
2653 \expandafter\@ifdefinable \csname#1\endcsname{%
2654 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}}%
2655 \newcommand*{\bid@csletcs}[2]{%
2656 \expandafter\@ifdefinable \csname#1\endcsname{%
2657 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}}%
2658 \newcommand*{\bid@cslet}[2]{%
2659 \expandafter\@ifdefinable \csname#1\endcsname{%
2660 \expandafter\let\csname#1\endcsname#2}}}%
2661 \newcommand{\bid@namelongdef}[1]{%
2662 \long\expandafter\def\csname #1\endcsname}
2663 \def\bid@ensure@newcommand{\@star@or@long\bid@ensure@new@command}
2664 \def\bid@ensure@new@command#1{%
2665 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2666 \expandafter\if@bid@csundef\@gtempa
2667 {\new@command#1}{\relax%
2668 \let\@ifdefinable\@rc@ifdefinable%
2669 \new@command#1}}}%
2670 \def\bid@ensure@newlength#1{\if@bid@undef#1{\newskip#1}{}}%
2671
2672 \protected\def\bid@error{\PackageError{bid}}
2673 \protected\def\bid@warning{\PackageWarning{bid}}
2674 \protected\def\bid@info{\PackageInfo{bid}}
2675
2676
2677 \newcommand*{\setbaselineskip}[1]{%
2678 \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}r
2679 \selectfont
2680 }
2681
2682

```



```

2683 \newcommand*{\bidi@newrobustcmd}{%
2684 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2685
2686 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2687
2688 \def\bidi@newcommand#1[#2]{%
2689 \ifnextchar[%
2690 {\bidi@xargdef#1[#2]}
2691 {\ifx\l@ngrel@x\relax
2692 \let\l@ngrel@x\protected
2693 \else
2694 \protected\def\l@ngrel@x{\protected\long}%
2695 \fi
2696 \@argdef#1[#2]}}
2697
2698 \long\def\bidi@xargdef#1[#2][#3]#4{%
2699 \@ifdefinable#1{%
2700 \expandafter\protected
2701 \expandafter\def
2702 \expandafter#1%
2703 \expandafter{%
2704 \expandafter\@testopt
2705 \csname\string#1\endcsname{#3}}%
2706 \expandafter\@yargdef\csname\string#1\endcsname\tw{#2}{#4}}}
2707
2708 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2709
2710 \def\bidi@renew@command#1{%
2711 \if@bidi@undef{#1}
2712 {\bidi@error{\string#1 undefined}\@ehc}
2713 {}%
2714 \let\@ifdefinable\@rc@ifdefinable
2715 \bidi@new@command#1}
2716
2717
2718
2719 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2720
2721 \def\bidi@provide@command#1{%
2722 \if@bidi@undef{#1}
2723 {\def\reserved@a{\bidi@new@command#1}}
2724 {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2725 \reserved@a}
2726
2727 \newcommand*{\bidi@csuse}[1]{%
2728 \ifcsname#1\endcsname
2729 \csname#1\expandafter\endcsname
2730 \fi}
2731
2732 \newcommand{\bidi@expandonce}[1]{%

```



```

2733 \unexpanded\expandafter{#1}}
2734
2735 \def\bidi@protected{%
2736 \let\@protect\protect
2737 \let\protect\@unexpandable@protect
2738 \afterassignment\restore@protect}
2739
2740 \bidi@newrobustcmd{\bidi@appto}[2]{%
2741 \if@bidi@undef{#1}
2742 {\edef#1{\unexpanded{#2}}}
2743 {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2744 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2745 \if@bidi@undef{#1}
2746 {\edef#1{#2}}
2747 {\edef#1{\bidi@expandonce#1#2}}}
2748 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2749 \if@bidi@undef{#1}
2750 {\xdef#1{\unexpanded{#2}}}
2751 {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2752 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2753 \if@bidi@undef{#1}
2754 {\xdef#1{#2}}
2755 {\xdef#1{\bidi@expandonce#1#2}}}
2756
2757 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2758 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2759
2760
2761
2762 \bidi@newrobustcmd{\bidi@preto}[2]{%
2763 \if@bidi@undef{#1}
2764 {\edef#1{\unexpanded{#2}}}
2765 {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2766 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2767 \if@bidi@undef{#1}
2768 {\edef#1{#2}}
2769 {\edef#1{#2\bidi@expandonce#1}}}
2770 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2771 \if@bidi@undef{#1}
2772 {\xdef#1{\unexpanded{#2}}}
2773 {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2774 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2775 \if@bidi@undef{#1}
2776 {\xdef#1{#2}}
2777 {\xdef#1{#2\bidi@expandonce#1}}}
2778
2779 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2780 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2781
2782

```



```

2783
2784 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2785 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2786 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2787 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2788 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2789 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2790
2791
2792
2793 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2794 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2795 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2796 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2797 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2798 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2799
2800
2801
2802 \bidi@newrobustcmd{\if@bidi@patchable}{%
2803   \bidi@dbg@trce\if@bidi@patchable
2804   \begingroup
2805   \@makeother\#%
2806   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2807
2808 \long\def\bidi@ifpatchable#1#2{%
2809   \endgroup
2810   \bidi@dbg@init#1%
2811   \if@bidi@undef{#1}
2812     {\bidi@dbg@fail{def}\@secondoftwo}
2813     {\bidi@dbg@info{def}%
2814       \if@bidi@defmacro{#1}
2815         {\bidi@dbg@info{mac}%
2816           \bidi@ifscanable{#1}
2817             {\bidi@ifhashcheck{#2}
2818               {\bidi@dbg@info{tok}%
2819                 \bidi@ifpattern#1{#2}
2820                 {\bidi@dbg@info{pat}%
2821                   \bidi@dbg@info{pos}\@firstoftwo}
2822                   {\bidi@dbg@fail{pat}\@secondoftwo}}
2823                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
2824                   {\bidi@dbg@fail{tok}\@secondoftwo}}
2825                   {\bidi@dbg@fail{mac}\@secondoftwo}}}
2826
2827 \long\def\bidi@ifpatchable@i#1{%
2828   \endgroup
2829   \bidi@dbg@init#1%
2830   \if@bidi@undef{#1}
2831     {\bidi@dbg@fail{def}\@secondoftwo}
2832     {\bidi@dbg@info{def}%

```



```

2833 \if@bidi@defmacro{#1}
2834   {\bidi@dbg@info{mac}%
2835    \if@bidi@defparam{#1}
2836      {\bidi@dbg@info{prm}%
2837       \bidi@ifscanable{#1}
2838         {\bidi@dbg@info{tok}%
2839          \bidi@dbg@info{pos}\@firstoftwo}
2840         {\bidi@dbg@fail{tok}\@secondoftwo}}
2841      {\bidi@dbg@info{prl}%
2842       \if@bidi@defprotected{#1}
2843         {\bidi@dbg@info{pro}%
2844          {}}%
2845       \bidi@dbg@info{pos}\@firstoftwo}
2846      {\bidi@dbg@fail{mac}\@secondoftwo}}
2847
2848 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2849   \bidi@dbg@trce\bidi@patchcmd
2850   \begingroup
2851   \@makeother\#%
2852   \bidi@@patchcmd}
2853
2854 \newcommand{\bidi@@patchcmd}[4][#####1]{%
2855   \bidi@ifpatchable#2{#3}
2856   {\bidi@dbg@succ{ret}%
2857    \begingroup
2858    \edef\bidi@resrvda{%
2859      \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2860        #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
2861      \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
2862        ####1\detokenize{#4}####2}%
2863      \edef\noexpand\bidi@resrvda{%
2864        \noexpand\bidi@resrvda\meaning#2&}}%
2865    \bidi@resrvda
2866    \bidi@patchcmd@scantoks\bidi@resrvda
2867    \let#2\bidi@resrvda
2868    \bidi@undef\bidi@resrvda
2869    \@firstoftwo}
2870   {\@secondoftwo}}
2871
2872 \def\bidi@patchcmd@scantoks#1{%
2873   \edef\bidi@resrvda{\endgroup
2874     \unexpanded{\makeatletter\scantokens}{#1}%
2875     \catcode\number`\@=\the\catcode`\@ \relax}%
2876   \bidi@resrvda}
2877
2878 \newcommand\bidi@isloaded[2][]{
2879   \expandafter\ifx\csname if@bidi@#2loaded@ \endcsname \relax
2880   \expandafter\newif\csname if@bidi@#2loaded@ \endcsname
2881   \fi
2882   \@ifpackageloaded{#2}

```



```

2883     {\csname @bidi@#2loaded@true\endcsname #1}
2884     {\csname @bidi@#2loaded@false\endcsname}}
2885
2886 \protected\def\bidi@ifscanable#1{%
2887   \begingroup
2888   \edef\bidi@resrvda{%
2889     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
2890       ####1\def\string\bidi@resrvda####2{####3}}}%
2891     \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
2892   \bidi@resrvda
2893   \makeatletter
2894   \scantokens\expandafter{\bidi@resrvda}%
2895   \expandafter\endgroup\ifx#1\bidi@resrvda
2896     \expandafter\@firstoftwo
2897   \else
2898     \expandafter\@secondoftwo
2899   \fi}
2900
2901
2902 \protected\long\def\bidi@ifhashcheck#1{%
2903   \begingroup
2904   \edef\bidi@resrvda{\detokenize{#1}}}%
2905   \expandafter\endgroup
2906   \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
2907
2908 \edef\bidi@ifhashcheck@i#1&{%
2909   \noexpand\expandafter
2910   \noexpand\bidi@ifhashcheck@ii
2911   \noexpand\strip@prefix#1\string#\string#&}
2912
2913 \edef\bidi@ifhashcheck@ii{%
2914   \def\noexpand\bidi@ifhashcheck@ii##1\string#\string####2&}
2915 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
2916
2917
2918 \protected\long\def\bidi@ifpattern#1#2{%
2919   \begingroup
2920   \edef\bidi@resrvda{%
2921     \def\noexpand\bidi@resrvda####1\detokenize{#2}####2&{%
2922       \endgroup\noexpand\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
2923     \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
2924       \expandafter\strip@prefix\meaning#1\detokenize{#2}&}}%
2925     \noexpand\bidi@resrvda}
2926   \bidi@resrvda\@secondoftwo\@firstoftwo}
2927
2928
2929 \newcommand{\if@bidi@defparam}{%
2930 \long\edef\if@bidi@defparam#1{%
2931   \noexpand\expandafter\noexpand\bidi@ifdefparam
2932   \noexpand\meaning#1\detokenize{macro}:->&}

```



```

2933 \edef\bid@ifdefparam{%
2934   \def\noexpand\bid@ifdefparam##1\detokenize{macro}:##2->##3&}
2935 \bid@ifdefparam{\bid@notblank{#2}}
2936
2937
2938 \newcommand{\if@bid@defprotected}{%
2939   \long\edef\if@bid@defprotected#1{%
2940     \noexpand\expandafter\noexpand\bid@ifdefprotected
2941     \noexpand\meaning#1\string\protected&}
2942 \edef\bid@ifdefprotected{%
2943   \def\noexpand\bid@ifdefprotected##1\string\protected##2&}
2944 \bid@ifdefprotected{\bid@notblank{#2}}
2945
2946
2947 \bid@newrobustcmd{\bid@undef}[1]{\let#1\bid@undefined}
2948
2949 \let\bid@dbg@trce\@gobble
2950 \let\bid@dbg@init\@gobble
2951 \let\bid@dbg@info\@gobble
2952 \let\bid@dbg@succ\@gobble
2953 \let\bid@dbg@fail\@gobble
2954
2955
2956
2957 \bid@newrobustcmd*{\bid@apptocmd}{%
2958   \bid@dbg@trce\bid@apptocmd
2959   \begingroup
2960   \@makeother\#%
2961   \bid@hooktocmd\bid@append}
2962
2963
2964
2965 \bid@newrobustcmd*{\bid@pretocmd}{%
2966   \bid@dbg@trce\bid@pretocmd
2967   \begingroup
2968   \@makeother\#%
2969   \bid@hooktocmd\bid@prepend}
2970
2971 \long\def\bid@hooktocmd#1#2#3{%
2972   \endgroup
2973   \bid@dbg@init#2%
2974   \if@bid@undef{#2}
2975     {\bid@dbg@fail{def}\@secondoftwo}
2976     {\bid@dbg@info{def}%
2977       \if@bid@defmacro{#2}
2978         {\bid@dbg@info{mac}%
2979           \if@bid@defparam{#2}
2980             {\bid@dbg@info{prm}%
2981               \bid@ifscanable{#2}
2982               {\bid@ifhashcheck{#3}

```



```

2983         {\bidi@dbg@info{tok}%
2984         \bidi@dbg@succ{ret}%
2985         \bidi@hooktocmd@i#1#2{#3}%
2986         \@firstoftwo}
2987         {\bidi@dbg@fail{hsh}\@secondoftwo}}
2988         {\bidi@dbg@fail{tok}\@secondoftwo}}
2989     {\bidi@dbg@info{prl}%
2990     \if@bidi@defprotected{#2}
2991     {\bidi@dbg@info{pro}%
2992     \bidi@dbg@succ{red}%
2993     \protected}
2994     {\bidi@dbg@succ{red}}}%
2995     \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
2996     \@firstoftwo}}
2997     {\bidi@dbg@fail{mac}\@secondoftwo}}}}
2998
2999 \long\def\bidi@hooktocmd@i#1#2#3{%
3000   \begingroup
3001   \edef\bidi@resrvda{%
3002     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3003       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}}%
3004     \edef\noexpand\bidi@resrvda{%
3005       \noexpand\bidi@resrvda\meaning#2&}}}%
3006   \bidi@resrvda
3007   \bidi@patchcmd@scantoks\bidi@resrvda
3008   \let#2\bidi@resrvda
3009   \bidi@undef\bidi@resrvda}
3010
3011 \long\def\bidi@append#1#2{#1#2}
3012 \long\def\bidi@prepend#1#2{#2#1}
3013
3014 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3015 \newcommand*{\bidi@endpreamblehook}{}
3016
3017 \bidi@preto\document{%
3018   \endgroup
3019   \let\bidi@AtEndPreamble\@firstofone
3020   \bidi@endpreamblehook
3021   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3022   \bidi@undef\bidi@endpreamblehook
3023   \begingroup}
3024
3025 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3026 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3027
3028 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3029 \newcommand*{\bidi@afterendpreamblehook}{}
3030
3031 \bidi@appto\document{%
3032   \let\bidi@AfterEndPreamble\@firstofone

```



```

3033 \bidi@afterendpreamblehook
3034 \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3035 \bidi@undef\bidi@afterendpreamblehook
3036 \ignorespaces}
3037
3038 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3039
3040 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterendddocumenthook}
3041 \newcommand*{\bidi@afterendddocumenthook}{%
3042
3043 \bidi@patchcmd\enddocument
3044 {\deadcycles}
3045 {\let\bidi@AfterEndDocument\@firstofone
3046 \bidi@afterendddocumenthook
3047 \deadcycles}
3048 {}
3049 {\let\bidi@@end\@@end
3050 \def\@@end{%
3051 \let\bidi@AfterEndDocument\@firstofone
3052 \bidi@afterendddocumenthook
3053 \bidi@@end}}
3054
3055 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3056 \bidi@csgappto{\bidi@begin@#1@hook}}
3057
3058 \bidi@patchcmd\begin
3059 {\csname #1\endcsname}
3060 {\bidi@csuse{\bidi@begin@#1@hook}%
3061 \csname #1\endcsname}
3062 {}
3063 {\bidi@warning{%
3064 Patching '\string\begin' failed!\MessageBreak
3065 '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
3066
3067
3068
3069 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3070 \bidi@csgappto{\bidi@end@#1@hook}}
3071
3072 \bidi@patchcmd\end
3073 {\csname end#1\endcsname}
3074 {\bidi@csuse{\bidi@end@#1@hook}%
3075 \csname end#1\endcsname}
3076 {}
3077 {\bidi@warning{%
3078 Patching '\string\end' failed!\MessageBreak
3079 '\string\bidi@AtEndEnvironment' will not work\@gobble}}
3080
3081
3082

```



```

3083 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3084   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
3085
3086 \bidi@pretocmd\begin
3087   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3088   {}
3089   {\bidi@warning{%
3090     Patching '\string\begin' failed!\MessageBreak
3091     '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
3092
3093
3094
3095 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3096   \bidi@csgappto{@bidi@afterend@#1@hook}}
3097
3098 \bidi@patchcmd\end
3099   {\if@ignore}
3100   {\bidi@csuse{@bidi@afterend@#1@hook}}%
3101   \if@ignore}
3102   {}
3103   {\bidi@warning{%
3104     Patching '\string\end' failed!\MessageBreak
3105     '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
3106
3107 \chardef\bidi@backslash`\\
3108 \def\bidi@cs#1{\texttt{\char\bidi@backslash#1}}
3109
3110 % anonymous control sequences
3111 \newcount\bidi@tempcountb
3112 \newtoks\bidi@temptoksa
3113 \newtoks\bidi@temptoksb
3114
3115 % Catcode (re)storing
3116 %
3117 \def\bidi@storecatcode#1%
3118   {\escapechar\m@ne
3119    \bidi@csarg\edef\bidi@restorecatcode\string#1}%
3120    {\catcode`\string#1=
3121     \the\catcode\expandafter`\string#1}%
3122    \catcode\expandafter`\string#1=12\relax
3123    \escapechar`\\relax}
3124 \def\bidi@restorecatcode#1%
3125   {\escapechar\m@ne
3126    \csname bidi@restorecatcode\string#1\endcsname
3127    \escapechar`\\relax}
3128
3129 % Construct a control sequence inside \edef
3130 %
3131 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
3132

```



```

3133 % Construct a control sequence out of #2, and give it to #1
3134 %
3135 \def\bidicsarg#1#2{\expandafter#1\csname#2\endcsname}
3136
3137 % Pick an escapecharacter
3138 % this presumes that its argument is a character.
3139 %
3140 \def\bidipickescape#1{\ifnum`#1=\escapechar\else#1\fi}
3141
3142 % Equality of strings.
3143 % the fast approach: does not work in expansion-only environment.
3144 %
3145 \def\bidiequalstring#1#2{00\fi\def\bidieqs@a{#1}\def\bidieqs@b{#2}%
3146   \ifx\bidieqs@a\bidieqs@b}
3147
3148 % Test by expansion only
3149 %
3150 \def\bidiequalstringx#1#2{00\fi
3151   \csname if\@bidiequalstringx#1&#2&$\endcsname}
3152 \def\@bidiequalstringx#1#2$#3#4${\ifx#1#3%
3153   \ifx#1&true\else\bidihop@ES@\bidiequalstringx#2$#4$\fi
3154   \else false\fi}
3155 \def\bidihop@ES#1\fi#2\fi{\fi\fi#1}
3156
3157 % Lexicographic ordering
3158 % note the use of \def
3159 % also note the characters 0,127,255 that are used,
3160 % these are not supposed to appear in the strings
3161 %
3162 {\catcode0=12 \catcode255=12 \catcode127=12
3163 \gdef\bidistringbeforenc#1#2{00\fi
3164   \bidicharsbefore#1^^@^^?#2^^ff^^?}
3165 \gdef\bidicharsbeforenc#1#2^^?#3#4^^?{%
3166   \ifcat#1\relax\def\bidinext{\bidicharsbefore#2^^@^^?#3#4^^ff^^?}%
3167   \else\ifcat#3\relax\def\bidinext{\bidicharsbefore#1#2^^@^^?#4^^ff^^?}%
3168   \else\ifnum\lccode`#1<\lccode`#3
3169     \def\bidinext{\csname iftrue\endcsname}%
3170   \else\ifnum\lccode`#1>\lccode`#3
3171     \def\bidinext{\csname iffalse\endcsname}%
3172   \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
3173   \fi \fi \fi \fi
3174   \bidinext}
3175 \gdef\bidistringbefore#1#2{00\fi
3176   \bidicharsbefore#1^^@^^?#2^^ff^^?}
3177 \gdef\bidicharsbefore#1#2^^?#3#4^^?{%
3178   \ifnum`#1<`#3
3179     \def\bidinext{\csname iftrue\endcsname}%
3180   \else\ifnum`#1>`#3
3181     \def\bidinext{\csname iffalse\endcsname}%
3182   \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%

```



```

3183 \fi\fi
3184 \bidi@next}
3185 }
3186
3187 % Null argument test
3188 %
3189 \def\bidi@empty{}
3190 \def\bidi@ifempty#1{00\fi\expandafter\ifx\csname bidi@#1@null\endcsname\bidi@null}
3191 \def\bidi@ifemptyX#1{\expandafter\ifx\csname bidi@#1@null\endcsname\bidi@null}
3192 %\def\bidi@ifempty#1{\def\bidi@cs@a{#1}\ifx\bidi@cs@a\bidi@empty}
3193 \def\bidi@IsEmptyList#1{00\fi\def\bidi@cs@a{#1}\ifx\cs@a\bidi@empty}
3194
3195 % Next character test
3196 %
3197 \def\bidi@NextChar#1#2#3{00\fi
3198   \let\bidi@nxt@ch#1\def\bidi@nxt@a{#2}\def\bidi@nxt@b{#3}%
3199   \futurelet\bidi@nxt@c\@bidi@ifnxtc}
3200 \def\bidi@ifNextChar#1#2#3{%
3201   \let\bidi@nxt@ch#1\def\bidi@nxt@a{#2}\def\bidi@nxt@b{#3}%
3202   \futurelet\bidi@nxt@c\@bidi@ifnxtc}
3203 \def\@bidi@ifnxtc{\ifx\bidi@nxt@c\bidi@nxt@c \expandafter\bidi@nxt@a
3204   \else \expandafter\bidi@nxt@b \fi}
3205
3206 % Test for defined-ness of string as control sequence.
3207 % works inside \edef
3208 %
3209 \def\bidi@undefinedcs#1{00\fi\bidi@csarg\ifx{#1}\relax}
3210
3211 % Define uniquely defined dummy macros,
3212 % usually to serve as bumper blocks at the end of a list
3213 %
3214 \newcount\bidi@dummies
3215 \def\DefNewDummy#1{
3216   \if\bidi@undefinedcs{#1}\bidi@csarg\edef{#1}{bidi@dum\the\bidi@dummies}
3217   \advance\bidi@dummies@one
3218   \else
3219     \bidi@error{Attempt at second definition of `#1'}
3220   \fi}
3221
3222 % string case statement
3223 % use: \bidi@switch \iftest{...} in:
3224 %   item1 action1
3225 %   ...
3226 %   itemn actionn
3227 %   default defaultaction [optional]
3228 %   \endbidi@switch
3229 % inspired by Jonathan Fine: Some Basic Control Macros
3230 % Tugboat 12 #4
3231 %
3232 \let\@bidi@fi\fi \let\endbidi@switch\relax \DefNewDummy{bidi@default}

```



```

3233 \def\bidiswitch@exit #1 \@bidi@fi #2 \endbidi@switch {\fi #1}
3234 \def\bidiswitch #1#2#3{\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3235 #1{#2}\bidi@switch@exit #3 \@bidi@fi
3236 \bidi@switch {#1}
3237 }
3238 % this version puts the test object in {}
3239 \def\bidioswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3240 #1{#2}\bidi@switch@exit #3 \@bidi@fi
3241 \bidi@switch #1 in:
3242 }
3243 % this version assumes that the test object is just one character
3244 \def\bidicswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3245 #1#2\bidi@switch@exit #3 \@bidi@fi
3246 \bidi@cswitch #1 in:
3247 }
3248 % this version assumes that the test object can have an optional space
3249 \def\bidibswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3250 #1#2 \bidi@switch@exit #3 \@bidi@fi
3251 \bidi@bswitch #1 in:
3252 }
3253 % this version can cope with significant spaces at the start of #3;
3254 % #2 is macro argument
3255 \def\bidimswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3256 #1{#2}\bidi@switch@exit #3 \@bidi@fi
3257 \bidi@mswitch #1 in:
3258 }
3259 % idem; #2 does not have to be enclosed in braces
3260 \def\bidifswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3261 #1#2 \bidi@switch@exit #3 \@bidi@fi
3262 \bidi@fswitch #1 in:
3263 }
3264
3265 % Routines for taking the value of a string:
3266 % if the string is defined as control sequence
3267 % take the value of that, otherwise take the string itself
3268
3269 % String or value of control sequence
3270 %
3271 \def\bidiw@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
3272
3273 % String or control sequence
3274 %
3275 \def\@bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
3276
3277 % String or \noexpand-ed control sequence;
3278 % for use in \edef
3279 %
3280 \newif\ifbidi@in@label
3281 \def\@bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
3282 \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}

```



```

3283 \newtoks\bidicare@these@correct
3284 \def\bidit@w@w#1{%
3285     \if\bididefinedcs{#1}#1%
3286     \ifdefined\bidicappend@to@list\bidicare@these@correct{#1 }\fi
3287     \else
3288     \ifin@label\noexpand\protect\fi \bidicsname{#1}\fi}
3289
3290 % List Manipulation .....
3291 % this assumes that #1 is a list of tokens, #2 is the name of a list
3292 %
3293 % Names of lists (and of items to pop into) are given as strings;
3294 % not as control sequences.
3295 %
3296 \newtoks\biditoks@lista \newtoks\biditoks@listb
3297 % basic append/prepend macro
3298 \long\def\@bidicappend@to@csl#1#2#3{\begingroup\biditoks@lista=#2{#3}%
3299 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\biditoks@lista}%
3300 \long\def\@bidicprepend@to@csl#1#2#3{\begingroup\biditoks@lista=#2{#3}%
3301 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\biditoks@lista}%
3302 \def\@bidicappend@to@list{\bidicsarg\@bidicappend@to@csl}%
3303 % variations:
3304 \long\def\bidicappend@to@list#1#2{\@bidicappend@to@list{#1}{#2}}
3305 \def\bidicappend@list@to@list#1#2{%
3306 \@bidicappend@to@list{#1}{\expandafter\expandafter\expandafter{\expandafter\the\csname#2\endcsname}}%
3307 \def\bidicappend@csl@to@csl#1#2{%
3308 \@bidicappend@to@csl{#1}\expandafter{\the#2}}
3309 \def\bidicappend@toks@cs@to@list#1#2{\@bidicappend@to@list{#1}\expandafter{\the#2}}
3310
3311 \let\bidicwillbeunhskip\unhskip
3312
3313 % A few list macros for the user
3314 \def\NewList:#1 {\bidicsarg\newtoks{#1}\global\csname#1\endcsname{}}
3315 \def\EmptyList:#1 {\global\csname#1\endcsname{}}
3316 \long\def\AppendToList:#1=#2 {\@bidicappend@to@list{#1}{#2}}
3317 \def\TheList:#1 {\let\bidicoldwbuskip\bidicwillbeunhskip \let\bidicwillbeunhskip\empty
3318 \if\bididefinedcs{#1}\bidicerror{List <#1> undefined}
3319 \else\bidicsarg\the{#1}\fi
3320 \let\bidicwillbeunhskip\bidicoldwbuskip}
3321
3322 \def\bidicdel@tok@from@list#1#2{\begingroup
3323 \long\def\bidics@liste##1#2##2\biditok@SM
3324 {\biditoks@lista{##1}\biditoks@listb{##2}%
3325 \edef\bidics@listb{\global\bidicsname{#1}=
3326 {\the\biditoks@lista\the\biditoks@listb}}%
3327 \bidics@listb}%
3328 \edef\bidics@lista{\noexpand\bidics@liste{\expandafter\the\csname#1\endcsname\noexpand\the\biditoks@listb}%
3329 \bidics@listb \endgroup}
3330 \def\bidicin@front@of@list#1{\bidicsarg{\let\expandafter\bidics@lista{#1}%
3331 \bidicin@front@of@csl\bidics@lista}
3332 \long\def\bidicin@front@of@csl#1#2{\begingroup\biditoks@lista={#2}%

```



```

3333 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\biditoks@lista
3334 \endgroup}
3335 \long\def\bidilocal@in@front@of@list#1#2{\biditoks@lista={#2}%
3336 \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3337 {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
3338 \expandafter\the\csname#1\endcsname}%
3339 }
3340 \def\bidiset@list#1{\bidicsarg{\let\expandafter\bidics@lista}{#1}%
3341 \bidiset@cslst\bidics@lista}
3342 \long\def\bidiset@cslst#1#2{\begingroup\biditoks@lista={#2}%
3343 \global#1=\expandafter{\the\biditoks@lista}\endgroup}
3344
3345 %%%%%%%%%%%%%%% Stack macros
3346 %
3347 % push in terms of prepending of lists
3348 \def\bidipush@cs@onto@cs#1#2{\@bidiprep@to@cslst#1\expandafter{\expandafter\\ \expandafter
3349 \def\bidipush@onto#1{\bidicsarg\bidipush@onto@cs{#1}}
3350 \def\bidipush@onto@cs#1#2{\@bidiprep@to@cslst#1}{\{\{#2\}\}}
3351 \def\bidilocal@push@onto#1#2{\let\=\relax
3352 \bidilocal@in@front@of@list{#1}{\{\{#2\}\}}
3353 % pop via auxiliary macro: #1 is result, #2 is stack
3354 % two cs arguments
3355 \def\bidipop@cs@into#1#2{\edef\bidics@e
3356 {\noexpand\@bidipopinto\noexpand#1\noexpand#2\the#2\noexpand\@bidipop}\bidics@e}
3357 % two string arguments
3358 \def\bidipop@into#1#2{\edef\bidics@e
3359 {\noexpand\@bidipopinto\bidicsname{#1}\bidicsname{#2}\bidicsarg\the{#2}\noexpand\@bidipop}
3360 \long\def\@bidipopinto#1#2\#3#4\@bidipop{#1{#3}#2{#4}}
3361 \def\bidicopy@stacktop#1#2{%
3362 \edef\bidics@e{\noexpand\@bidicopy@stacktop
3363 {#1}\bidicsarg\the{#2}\noexpand\@bidipop}%
3364 \bidics@e}
3365 \def\@bidicopy@stacktop#1\#2#3\@bidipop{\csname#1\endcsname#2\relax}
3366 \newcount\bidistack@length \newtoks\bidie@stack \bidie@stack{\{\}}
3367 \def\bidilength@of@stack#1{\bidicsarg\bidilength@of@csstack{#1}}
3368 \def\bidilength@of@csstack#1{\def\##1{\advance\bidistack@length\@ne}%
3369 \bidistack@length\@ne \the#1}
3370 % turn a stack upside down
3371 \def\bidinvert@csstack#1{\bidilength@of@csstack{#1}%
3372 \biditempcountb\z@ \biditemptoksa\bidie@stack
3373 \loop\ifnum\biditempcountb<\bidistack@length
3374 \bidipop@cs@into\biditemptoksb#1\advance\bidistack@length\@ne
3375 \bidipush@cs@onto@cs\biditemptoksa\biditemptoksb
3376 % \bidic@append@cslst@to@cslst\biditemptoksb\biditemptoksa% append a to b
3377 % \biditemptoksa\biditemptoksb
3378 \repeat% copy b to a
3379 #1\biditemptoksa \biditemptoksa\bidie@stack}
3380 % invert a stack into a list
3381 \def\bidix@stack@to@list#1{\bidilength@of@stack{#1}%
3382 \biditempcountb\z@ \biditemptoksa\bidie@stack}

```



```

3383 \loop\ifnum\bidit@tempcountb<\bidit@stack@length
3384 \bidit@pop@into{\bidit@temptoksb}{#1}\advance\bidit@stack@length\m@ne
3385 \bidit@append@list@to@list{\bidit@temptoksb}{\bidit@temptoksa}\repeat
3386 \csname#1\endcsname\bidit@temptoksa \bidit@temptoksa\bidit@empty@toks}
3387
3388
3389 % General loop macro:
3390 % \looprepeat
3391 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
3392 % \untilcondition{<cond>} \whilecondition{<cond>}
3393 % \doloopbody { <loop body> }
3394 % where all control sequences in between \looprepeat and \doloopbody are optional.
3395 %
3396 % var: characters to form a control sequence;
3397 % after \forvariable{index} you can access the loop counter as \index.
3398 % This is a count register; to print it use \number\index.
3399 % start,step,end: integers with obvious relations to the loop counter;
3400 % start and step have a default value of 1
3401 % cond: (sequence of commands ending in) any TeX \if... test.
3402 %
3403 % Count down instead of up with \downtovalue; the increment given in \bystep
3404 % is always positive, and is added or subtracted accordingly.
3405 %
3406 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
3407 % at the beginning of the loop body.
3408 %
3409 % Exit from middle of loop: \breaklooprepeat
3410 % use this at any place in the loop; in case of a conditional use
3411 % \ifsomething ... \expandafter \breaklooprepeat \fi
3412 %
3413 % Note that the line ends do not cause spaces in the output.
3414 %
3415 % Technical details:
3416 % The loop body is not executed in a group: the braces are those
3417 % of a token list.
3418 % The 'forvariable' variable is \let to a \count register.
3419
3420
3421
3422 % Auxiliary stuff
3423 \def\bidit@looprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
3424 \def\bidit@looprepeat@csromannumeral#1{\csname #1\romannumeral\bidit@looprepeat@depth\endcsname}
3425 \def\bidit@looprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidit@looprepeat@depth\endcsname}
3426
3427 \newcount\bidit@looprepeat@depth
3428 \let\endlooprepeat\relax \def\bidit@csprotect{}
3429 % Trace switches may later be defined by PAC_utils
3430 \let\bidit@looprepeat@traceinit\relax \let\bidit@looprepeat@traceexit\relax
3431
3432 % Main repeatloop macro

```



```

3433 % - go to next level and allocate unique counter/toks if this is the
3434 % first time we visit this level
3435 % - setup: gather bounds and termination conditions
3436 % - scoop up body in token list; after the assignment define and
3437 % execute body
3438 \def\looprepeat#1\doloopbody{\bidi@looprepeat@traceinit % exit in \breakrepeatloop
3439 \advance\bidi@looprepeat@depth\@ne\relax
3440 \bidi@looprepeat@csargromannumeral{\ifx\bidi@looprepeat@count}\relax
3441 \bidi@looprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidi@looprepeat@count}%
3442 \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepeat@count}%
3443 \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepeat@count}%
3444 \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepeat@count}%
3445 \fi \bidi@looprepeat@zero \def\bidi@looprepeat@sign{}\def\bidi@looprepeat@comp{>}\bidi@looprepeat@comp{}%
3446 \edef\bidi@looprepeat@tmp
3447 { \def\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@looprepeat}{\bidi@looprepeat@body}%
3448 \afterassignment\bidi@looprepeat@dxbody\bidi@looprepeat@csromannumeral{\bidi@looprepeat@toks}%
3449
3450 % Define and execute loop body
3451 % This is done with an \edef to construct the actual sequence
3452 \def\bidi@looprepeat@dxbody{\bidi@looprepeat@csargromannumeral\edef\bidi@looprepeat@body{-%
3453 \bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@wtest}%
3454 \noexpand\the\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@toks}%
3455 \bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@utest}%
3456 \global\bidi@looprepeat@csargromannumeral\advance\bidi@looprepeat@count by \bidi@looprepeat@count}%
3457 \noexpand\endlooprepeat
3458 \bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@looprepeat}}%
3459 \bidi@looprepeat@csromannumeral{\bidi@looprepeat@body}\ignorespaces}
3460
3461 % Stop test
3462 %% In order to stop, issue a
3463 % \breaklooprepeat which scoops up the rest of the body and exits
3464 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral\
3465 \advance\bidi@looprepeat@depth\m@ne \bidi@looprepeat@traceexit
3466 }
3467
3468
3469 % Setup
3470 % gather bounds and termination conditions
3471 \def\bidi@looprepeat@setup#1{%
3472 \begingroup
3473 \def\forvariable##1{%
3474 \edef\bidi@looprepeat@tmp{%
3475 \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral{\bidi@looprepeat@count}%
3476 \bidi@looprepeat@tmp}%
3477 \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global{\bidi@looprepeat@count}##1\ignorespaces}%
3478 \def\tovalue##1{%
3479 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@count}%
3480 {\bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@wtest}%
3481 \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@count}\bidi@looprepeat@count}%
3482 \noexpand\expandafter \noexpand\breaklooprepeat

```



```

3483     \noexpand\fi}\ignorespaces}%
3484     \bidi@looprepeat@tmp}%
3485 \def\downtovalue##1{%
3486     \gdef\bidi@looprepeat@sign{-}\gdef\bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
3487 \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value}\
3488     \bidi@looprepeat@csargromannumeral\gdef\bidi@looprepeat@inc}{-##1}\else
3489     \bidi@looprepeat@csargromannumeral\gdef\bidi@looprepeat@inc}{##1}\fi\ignorespaces}%
3490 \def\untilcondition##1{%
3491     \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@
3492     {\noexpand##1\relax
3493     \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3494     \bidi@looprepeat@tmp}%
3495 \def\whilecondition##1{%
3496     \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@
3497     {\noexpand##1\relax \noexpand\else
3498     \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3499     \bidi@looprepeat@tmp}%
3500     \fromvalue{\@ne}\bystep{\@ne}#1%
3501 \endgroup}
3502 \def\bidi@looprepeat@zero
3503 {\bidi@looprepeat@csromannumeral\bidi@looprepeat@toks}\bidi@looprepeat@csromannumeral\bidi@looprepeat@
3504 \bidi@looprepeat@csargromannumeral\def\bidi@looprepeat@body{}}
3505
3506 %\tracingmacros2
3507 %\newcount\tmpcount % used in some examples below
3508
3509 %\looprepeat \forvariable{i}
3510 %     \bystep{2}
3511 % \doloopbody {%
3512 %     \ifnum i=13 \expandafter\breaklooprepeat \fi
3513 %     \number{i} } %
3514 %}%
3515
3516 %\looprepeat \forvariable{iii}
3517 %     \tovalue{8}
3518 % \doloopbody {}
3519 %After loop: \number{iii}%
3520
3521 %\looprepeat \forvariable{i}
3522 %     \fromvalue{10}
3523 %     \bystep{2}
3524 %     \downtovalue{0}
3525 % \doloopbody {\number{i} }
3526
3527 %\looprepeat \forvariable{x} \whilecondition{\ifnum x<7}
3528 % \doloopbody {\number{x} }
3529
3530 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
3531
3532 %\looprepeat \forvariable{j}

```



```

3533 % \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
3534 % \doloopbody {\number\j} }
3535
3536 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
3537 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
3538 % \doloopbody {(\number\i.\number\j) }
3539 % }
3540
3541 % infinite loop
3542 %\looprepeat \doloopbody {}
3543
3544 \CheckCommand{\InputIfFileExists}[2]{%
3545 \IfFileExists{#1}%
3546 {#2\@addtofilelist{#1}\@input \@filef@und}}
3547
3548 \renewcommand{\InputIfFileExists}[2]{%
3549 \begingroup\expandafter\expandafter\expandafter\endgroup
3550 \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3551 \expandafter\@secondoftwo
3552 \else
3553 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3554 \expandafter\@firstoftwo
3555 \fi
3556 {%
3557 \expandafter\InputIfFileExists\expandafter{\csname
3558 #1-@bidi@alias\endcsname}{#2}%
3559 }%
3560 {\IfFileExists{#1}{%
3561 \bidi@load@hook{before}{#1}%
3562 #2\@addtofilelist{#1}%
3563 \@input \@filef@und
3564 \bidi@load@hook{after}{#1}%
3565 }}%
3566 }
3567
3568 \newcommand*{\bidi@loadwithoptions}{%
3569 \newcommand*{\bidi@loadwithoptions}{%
3570 \let\bidi@loadwithoptions\@loadwithoptions
3571
3572 \renewcommand*{\@loadwithoptions}[3]{%
3573 \begingroup\expandafter\expandafter\expandafter\endgroup
3574 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3575 \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3576 \else
3577 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3578 \def\bidi@loadwithoptions{%
3579 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
3580 }%
3581 \fi
3582 \bidi@loadwithoptions

```



```

3583 }
3584
3585 \newcommand*{\@bidi@onefilewithoptions}{%
3586 \let\@bidi@onefilewithoptions\@onefilewithoptions
3587 \def\@onefilewithoptions#1[#2][#3]#4{%
3588 \begingroup\expandafter\expandafter\expandafter\endgroup
3589 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3590 \def\@bidi@onefilewithoptions{\@bidi@onefilewithoptions{#1}}%
3591 \else
3592 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3593 \edef\@bidi@onefilewithoptions{%
3594 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3595 \fi
3596 \bidi@onefilewithoptions[#2][#3]{#4}%
3597 \bidi@load@hook{lateafter}{#1.#4}%
3598 }
3599
3600 \newcommand*{\@bidi@ReplaceInput}[2]{%
3601 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3602 }
3603
3604 \newcommand*{\@bidi@UnReplaceInput}[1]{%
3605 \ifcsname #1-@bidi@alias\endcsname
3606 \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3607 \fi
3608 }
3609
3610 \newcommand*{\@bidi@replacefilewithext}[3]{%
3611 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3612 }
3613 \newcommand*{\@bidi@ReplacePackage}[2]{%
3614 \@bidi@replacefilewithext{#1}{#2}\@pkgextension
3615 }
3616 \newcommand*{\@bidi@ReplaceClass}[2]{%
3617 \@bidi@replacefilewithext{#1}{#2}\@clsextension
3618 }
3619 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
3620 \ifcsname #1.#2-@bidi@aliasname\endcsname
3621 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3622 \fi
3623 }
3624 \newcommand*{\@bidi@UnReplacePackage}[1]{%
3625 \@bidi@unreplacefilewithext{#1}\@pkgextension
3626 }
3627 \newcommand*{\@bidi@UnReplaceClass}[1]{%
3628 \@bidi@unreplacefilewithext{#1}\@clsextension
3629 }
3630 \newcommand*{\@bidi@replacefile@msg}[2]{%
3631 \PackageInfo{bidiutils}{inputing `#1' instead of `#2'}%
3632 }

```



```

3633
3634 \newcommand*{\bidi@load@hook}[2]{%
3635   \@ifundefined{#2-@#1}{\%
3636     \@nameuse{#2-@#1}%
3637     \expandafter\let\csname #2-@#1\endcsname=\relax}}
3638 \newcommand*{\bidi@set@load@hook}[2]{%
3639   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}}{\}%
3640   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3641 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3642 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3643 \newcommand*{\bidi@BeforeClass}[1]{%
3644   \bidi@set@load@hook{before}{#1.\@clsextension}}
3645 \newcommand*{\bidi@AfterClass}{%
3646   \@ifstar {\@s@bidi@AfterClass}{%
3647     \ifnextchar +\@@bidi@AfterClass{%
3648       \ifnextchar !\@@@bidi@AfterClass\@bidi@AfterClass
3649     }%
3650   }%
3651 }
3652
3653 \newcommand*{\@@@bidi@AfterClass}[2]{%
3654   \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3655     \aftergroup\@s@bidi@AfterClass
3656   \else
3657     \aftergroup\bidi@AfterAtEndOfClass
3658   \fi
3659   \endgroup{#2}%
3660 }
3661
3662 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3663   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3664 \newcommand*{\@@bidi@AfterClass}[2]{%
3665   \begingroup
3666     \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3667       \aftergroup\@s@bidi@AfterClass
3668     \else
3669       \aftergroup\@bidi@AfterClass
3670     \fi
3671   \endgroup{#2}%
3672 }
3673
3674 \newcommand*{\@bidi@AfterClass}[1]{%
3675   \bidi@set@load@hook{after}{#1.\@clsextension}}
3676 \newcommand*{\@s@bidi@AfterClass}[1]{%
3677   \begingroup
3678     \@ifclassloaded{#1}{%
3679       \aftergroup\@secondoftwo
3680     }{%
3681       \aftergroup\@bidi@AfterClass
3682     }%

```



```

3683 \endgroup
3684 {#1}%
3685 }
3686
3687
3688 \newcommand*{\bidi@BeforePackage}[1]{%
3689 \bidi@set@load@hook{before}{#1.\@pkgextension}}
3690 \newcommand*{\bidi@AfterPackage}{%
3691 \ifstar {\@s@bidi@AfterPackage}{%
3692 \ifnextchar +\@bidi@AfterPackage{%
3693 \ifnextchar !\@@bidi@AfterPackage\bidi@AfterPackage
3694 }%
3695 }%
3696 }
3697 \newcommand*{\@@bidi@AfterPackage}[2]{%
3698 \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3699 \aftergroup\@s@bidi@AfterPackage
3700 \else
3701 \aftergroup\bidi@AfterAtEndOfPackage
3702 \fi
3703 \endgroup{#2}%
3704 }
3705 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%
3706 \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3707 \newcommand*{\@bidi@AfterPackage}[2]{%
3708 \begingroup
3709 \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3710 \aftergroup\@s@bidi@AfterPackage
3711 \else
3712 \aftergroup\@bidi@AfterPackage
3713 \fi
3714 \endgroup{#2}%
3715 }
3716 \newcommand*{\@bidi@AfterPackage}[1]{%
3717 \bidi@set@load@hook{after}{#1.\@pkgextension}}
3718 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3719 \begingroup
3720 \@ifpackageloaded{#1}{%
3721 \aftergroup\@secondoftwo
3722 }{%
3723 \aftergroup\@bidi@AfterPackage
3724 }%
3725 \endgroup
3726 {#1}%
3727 }
3728
3729 \newcommand*{\bidi@excludedpackages}{}
3730 \let\bidi@excludedpackages\@empty
3731 \newcommand*{\bidi@savetoRequirePackage}{}
3732 \newcommand*{\bidi@PreventPackageFromLoading}{%

```



```

3733 \ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
3734         {\@bidi@PreventPackageFromLoading\PackageWarning}%
3735 }
3736 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
3737     \ifnextchar [%]
3738         {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1 []}%
3739 }
3740 \newcommand*{\@bidi@PreventPackageFromLoading}{%
3741
3742 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
3743     \edef\reserved@b{\zap@space#3 \@empty}%
3744     \ifx \reserved@b\@empty
3745         #1{biditools}{%
3746             \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3747             argument ignored%
3748         }%
3749     \else
3750         \ifx\bidi@excludedpackages\@empty
3751             \let\bidi@saved@RequirePackage\RequirePackage
3752             \let\RequirePackage\bidi@RequirePackage
3753             \def\reserved@a##1##{%
3754                 \@latex@error
3755                 {\noexpand \usepackage before \string\documentclass}%
3756                 {\noexpand \usepackage may only appear in the document
3757                  preamble, i.e.,\MessageBreak
3758                  between \noexpand\documentclass and
3759                  \string\begin{document}.}%
3760                 \@gobble}%
3761             \ifx\reserved@a\usepackage\else
3762                 \ifx\usepackage\bidi@saved@RequirePackage\else
3763                     \PackageWarning{biditools}{%
3764                         Maybe serious problem: unexpected definition of\MessageBreak
3765                         \string\usepackage
3766                     }%
3767                 \fi
3768                 \let\usepackage\RequirePackage
3769             \fi
3770         \fi
3771     \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3772     \reserved@b\do {%
3773         \ifx\reserved@a\@empty
3774             #1{biditools}{%
3775                 empty package argument for
3776                 \string\bidi@PreventPackageFromLoading\MessageBreak
3777                 ignored%
3778             }%
3779         \else
3780             \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3781                 #1{biditools}{%
3782                     package `\'reserved@a' already loaded.\MessageBreak

```



```

3783         Cannot prevent it from beeing loaded%
3784     }%
3785 }{%
3786     \edef\bidix@excludedpackages{\bidix@excludedpackages,%
3787         \reserved@a}%
3788     \if\relax\detokenize{#2}\relax\else
3789         \@ifundefined{bidix@exclude@package@\reserved@a @do}{%
3790             \@namedef{bidix@exclude@package@\reserved@a @do}{}%
3791         }{%
3792             \expandafter\def
3793             \csname bidix@exclude@package@\reserved@a
3794                 @do\expandafter\expandafter\expandafter\endcsname
3795             \expandafter\expandafter\expandafter{%
3796                 \csname bidix@exclude@package@\reserved@a @do\endcsname
3797                 #2%
3798             }%
3799         \fi
3800     }%
3801 \fi
3802 }%
3803 \ifx\bidix@excludedpackages\@empty
3804     \bidix@ResetPreventPackageFromLoading
3805 \fi
3806 \fi
3807 }
3808
3809 \@onlypreamble\bidix@PreventPackageFromLoading
3810 \newcommand*{\bidix@ResetPreventPackageFromLoading}{%
3811     \let\bidix@excludedpackages\@empty
3812     \ifx\RequirePackage\bidix@RequirePackage
3813         \ifx\usepackage\RequirePackage
3814             \let\usepackage\bidix@saved@RequirePackage
3815         \fi
3816         \let\RequirePackage\bidix@saved@RequirePackage
3817     \fi
3818 }
3819 \@onlypreamble\bidix@ResetPreventPackageFromLoading
3820 \newcommand*{\bidix@StorePreventPackageFromLoading}[1]{%
3821     \let#1\bidix@excludedpackages
3822 }
3823 \@onlypreamble\bidix@StorePreventPackageFromLoading
3824 \newcommand*{\bidix@UnPreventPackageFromLoading}{%
3825     \@ifstar {\@tempwattrue\bidix@UnPreventPackageFromLoading}%
3826             {\@tempwafalse\bidix@UnPreventPackageFromLoading}%
3827 }
3828
3829 \newcommand*{\@bidix@UnPreventPackageFromLoading}[1]{%
3830     \edef\reserved@b{\zap@space#1 \@empty}%
3831     \if@tempswa
3832         \@for\reserved@a:=\reserved@b\do {%

```



```

3833     \ifx\reserved@a\@empty \else
3834         \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
3835             \expandafter\let
3836             \csname bidi@exclude@package@\reserved@a @do\endcsname
3837             \undefined
3838         \fi
3839     \fi
3840 }%
3841 \fi
3842 \ifcsname bidi@excludedpackages\endcsname
3843     \let\reserved@a\bidi@excludedpackages
3844     \let\bidi@excludedpackages\@empty
3845     \expandafter\@for\expandafter\reserved@c
3846     \expandafter:\expandafter=\reserved@a
3847     \do{%
3848         \ifx\reserved@c\@empty\else
3849             \@expandtwoargs\in@{,\reserved@c,}{,\reserved@b,}%
3850             \ifin@
3851             \else
3852                 \edef\bidi@excludedpackages{%
3853                     \bidi@excludedpackages,\reserved@c
3854                 }%
3855             \fi
3856         \fi
3857     }%
3858     \ifx\bidi@excludedpackages\@empty\bidi@ResetPreventPackageFromLoading\fi
3859 \fi
3860 }
3861
3862
3863 \newcommand*{\bidi@RequirePackage}[2] [] {%
3864     \let\reserved@c\@empty
3865     \let\reserved@d\@empty
3866     \edef\reserved@b{\zap@space#2 \@empty}%
3867     \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3868     \do {%
3869         \beginingroup
3870             \@tempswatrue
3871             \@for\reserved@a:=\bidi@excludedpackages\do {%
3872                 \ifx\reserved@a\reserved@b
3873                     \@tempswafalse
3874                 \fi
3875             }%
3876             \if@tempswa
3877                 \xdef\reserved@c{\reserved@c,\reserved@b}%
3878             \else
3879                 \ifx\reserved@b\@empty\else
3880                     \PackageInfo{biditools}{Excluding package `'\reserved@b'\MessageBreak
3881                         from loading}%
3882                     \@ifundefined{bidi@exclude@package@\reserved@b @do}{%

```



```

3883         }{%
3884         \expandafter\g@addto@macro\expandafter\reserved@d
3885         \csname bidi@exclude@package@\reserved@b @do\endcsname
3886         }%
3887     \fi
3888 \fi
3889 \endgroup
3890 }%
3891 \ifx\reserved@c\@empty
3892     \let\reserved@a\bidi@gobbleopt
3893 \else
3894     \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]{%
3895     \expandafter@gobble\reserved@c\@empty}}%
3896 \fi
3897 \expandafter\reserved@d
3898 \reserved@a
3899 }
3900
3901 \newcommand{\bidi@gobbleopt}[1][{}]{%
3902 \AtEndDocument{%
3903     \let\bidi@saved@checkend=\@checkend
3904     \renewcommand*{\@checkend}[1]{%
3905     \def\reserved@a{#1}\def\reserved@b{document}%
3906     \bidi@saved@checkend{#1}%
3907     \ifx\reserved@a\reserved@b
3908         \let\bidi@saved@clearpage=\clearpage
3909         \renewcommand*{\clearpage}{\bidi@saved@clearpage
3910         \bidi@hook@bcma
3911         \bidi@restore@newpage
3912         \let\clearpage=\bidi@saved@clearpage}%
3913     \fi%
3914     \let\bidi@saved@dofilelist\@dofilelist
3915     \def\@dofilelist{%
3916     \bidi@hook@acma
3917     \let\@dofilelist\bidi@saved@dofilelist
3918     \bidi@saved@dofilelist
3919     }%
3920 }%
3921 }
3922
3923
3924 \newcommand*{\bidi@saved@checkend}{%
3925 \newcommand*{\bidi@saved@dofilelist}{%
3926 \newcommand*{\bidi@redefine@newpage}{%
3927     \let\bidi@saved@newpage\newpage
3928     \def\bidi@restore@newpage{%
3929     \renewcommand*{\newpage}{%
3930     \PackageWarningNoLine{%
3931     bidiutils%
3932     }{%

```



```

3933     \string\newpage\space at main aux file!\MessageBreak
3934     You have output material at the main aux file.\MessageBreak
3935     Note, that the \string\bid@BeforeClosingMainAux\space commands\MessageBreak
3936     are processed before the output from aux file%
3937 }%
3938 \let\newpage\bid@saved@newpage
3939 \newpage
3940 }%
3941 }%
3942 \renewcommand*{\newpage}{%
3943     \PackageError{%
3944         biditools%
3945     }{%
3946         \string\newpage\space at \string\bid@BeforeClosingMainAux
3947     }{%
3948         You should never use \string\newpage\space or
3949         \string\clear(double)page or other output material at the\MessageBreak
3950         argument of \string\bid@BeforeClosingMainAux!\MessageBreak
3951         If you'll continue, the \string\newpage\space will be ignored to
3952         avoid corruption of\MessageBreak
3953         every prior use of \string\bid@BeforeClosingMainAux.
3954     }%
3955 }%
3956 }
3957
3958 \newcommand*{\bid@restore@newpage}{%
3959 \newcommand*{\bid@hook@bcma}{%
3960 \newcommand*{\bid@hook@acma}{%
3961 \newcommand*{\bid@BeforeClosingMainAux}{%
3962     \ifx\bid@hook@bcma\@empty
3963         \gdef\bid@hook@bcma{%
3964             \renewcommand*{\bid@BeforeClosingMainAux}[1]{###1}%
3965             \let\protected@write\bid@protected@immediate@write
3966             \bid@redefine@newpage
3967         }%
3968     \fi
3969     \g@addto@macro\bid@hook@bcma%
3970 }
3971
3972 \newcommand*{\bid@AfterReadingMainAux}{%
3973     \ifx\bid@hook@acma\@empty
3974         \gdef\bid@hook@acma{%
3975             \renewcommand*{\bid@AfterReadingMainAux}[1]{###1}%
3976             \let\protected@write\bid@protected@immediate@write
3977         }%
3978     \fi
3979     \g@addto@macro\bid@hook@acma%
3980 }
3981
3982 \long\def\bid@protected@immediate@write#1#2#3{%

```



```

3983 \begingroup
3984   #2%
3985   \let\protect\@unexpandable@protect
3986   \edef\reserved@a{\immediate\write#1{#3}}%
3987   \reserved@a
3988 \endgroup
3989 \if@nobreak\ifvmode\nobreak\fi\fi
3990 }
3991
3992 \def\bidipatch@counter{0}%
3993 \if@bidi@csundef{numexpr}{%
3994   \def\bidipatch@stepcounter{%
3995     \begingroup
3996       \count@\bidipatch@counter\relax
3997       \advance\count@\@ne\relax
3998     \edef\x{\endgroup
3999       \noexpand\def\noexpand\bidipatch@counter{\the\count@}}%
4000   }%
4001   \x
4002 }%
4003 }{%
4004   \def\bidipatch@stepcounter{%
4005     \edef\bidipatch@counter{%
4006       \the\numexpr\bidipatch@counter+\@ne\relax
4007     }%
4008   }%
4009 }
4010 \def\bidipatch@list{}
4011 \def\bidipatch@Add{%
4012   \bidipatch@appto\bidipatch@list
4013 }
4014 \def\bidipatch@AfterPackage#1{%
4015   \ifpackageloaded{#1}{%
4016     \@firstofone
4017   }{%
4018     \bidipatch@AfterPackage{#1}%
4019   }%
4020 }
4021 \def\@bidipatch@AfterPackage#1{%
4022   \edef\bidipatch@temp{#1}%
4023   \bidipatch@stepcounter
4024   \expandafter\bidipatch@@AfterPackage
4025   \csname @bidipatch@\bidipatch@counter\expandafter\endcsname{%
4026     \bidipatch@temp
4027   }%
4028 }
4029 \def\bidipatch@@AfterPackage#1#2#3{%
4030   \begingroup
4031     \toks@{#3}%
4032     \xdef\bidipatch@gtemp{%

```



```

4033     \noexpand\ifpackageloaded{#2}{%
4034         \noexpand\let\noexpand#1\noexpand\relax
4035         \the\toks@
4036     }{%
4037 }%
4038 \endgroup
4039 \let#1\bidipatch@gtemp
4040 \bidipatch@Add#1%
4041 \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
4042 }
4043
4044 \def\bidipatch@try#1#2#3{%
4045     \if@bidicsundef{#1}{}{%
4046         \csname #1\endcsname{#2}{#3}%
4047     }%
4048 }
4049
4050 \AtBeginDocument{\bidipatch@list}
4051
4052 \bidipatch@AtEndPreamble{\bidipatch@list}%
4053
4054 \bidipatch@AfterEndPreamble{%
4055     \let\bidipatch@OrgIfPackageLoaded\ifpackageloaded
4056     \let\bidipatch@OrgIfPackageLater\ifpackagelater
4057     \let\bidipatch@OrgIfClassLoaded\ifclassloaded
4058     \let\bidipatch@OrgIfClassLater\ifclasslater
4059     \bidipatch@list
4060     \let\ifpackageloaded\bidipatch@OrgIfPackageLoaded
4061     \let\ifpackagelater\bidipatch@OrgIfPackageLater
4062     \let\ifclassloaded\bidipatch@OrgIfClassLoaded
4063     \let\ifclasslater\bidipatch@OrgIfClassLater
4064 }%

```

7.21 bidentuftefloat.sty

```

4065 \NeedsTeXFormat{LaTeX2e}
4066 \ProvidesPackage{bidentuftefloat}[2017/05/19 v0.2
4067 bidi implementation of tufte float]
4068 \RequirePackage{xifthen}
4069 \newcommand{\@bidentuftefloat@pkgname}{bidentuftefloat}
4070 \newcommand{\bidentuftefloatError}[2]{\PackageError{\@bidentuftefloat@pkgname}{#1}{#2}}
4071 \newcommand{\bidentuftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidentuftefloat@debug}}{\bidi
4072 \newcommand{\bidentuftefloatInfoNL}[1]{\PackageInfo{\@bidentuftefloat@pkgname}{#1\@gobble}}
4073 \newboolean{\@bidentuftefloat@reversegeometry}
4074 \setboolean{\@bidentuftefloat@reversegeometry}{false}
4075 \DeclareOption{reversegeometry}{\setboolean{\@bidentuftefloat@reversegeometry}{true}}
4076 \newboolean{\@bidentuftefloat@a4paper}
4077 \DeclareOption{a4paper}{\setboolean{\@bidentuftefloat@a4paper}{true}}
4078 \newboolean{\@bidentuftefloat@b5paper}
4079 \DeclareOption{b5paper}{\setboolean{\@bidentuftefloat@b5paper}{true}}

```



```

4080 \newboolean{@biditytfloat@symmetric}
4081 \newboolean{@biditytfloat@twoside}
4082 \DeclareOption{twoside}{%
4083 \twosidetrue \mparswitchtrue%
4084 \setboolean{@biditytfloat@twoside}{true}%
4085 \setboolean{@biditytfloat@symmetric}{true}%
4086 }
4087 \DeclareOption{oneside}{%
4088 \twosidefalse \mparswitchfalse%
4089 \setboolean{@biditytfloat@twoside}{false}%
4090 \setboolean{@biditytfloat@symmetric}{false}%
4091 }
4092 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4093 \newboolean{@biditytfloat@debug}
4094 \newcommand*{\@biditytfloat@caption@justification}{\@biditytfloat@justification@autodetect}
4095 \ProcessOptions
4096 %% Globally sets the length
4097 \newcommand*\gsetlength[2]{%
4098 \setlength{#1}{#2}%
4099 \global#1=#1\relax%
4100 }
4101
4102 %% Set the font sizes and baselines to match biditytfloat's books
4103 \renewcommand\normalsize{%
4104 \setfontsize\normalsize\@xpt{14}%
4105 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4106 \abovedisplayshortskip \z@ \@plus3\p@
4107 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4108 \belowdisplayskip \abovedisplayskip
4109 \let\@listi\@listI}
4110 \normalbaselineskip=14pt
4111 \normalsize
4112 \renewcommand\footnotesize{%
4113 \setfontsize\footnotesize\@viiipt{10}%
4114 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4115 \abovedisplayshortskip \z@ \@plus\p@
4116 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4117 \def\@listi{\leftmargin\leftmarginI
4118 \topsep 3\p@ \@plus\p@ \@minus\p@
4119 \parsep 2\p@ \@plus\p@ \@minus\p@
4120 \itemsep \parsep}%
4121 \belowdisplayskip \abovedisplayskip
4122 }
4123 %% Paragraph indentation and separation for marginal text
4124 \newcommand{\@biditytfloat@margin@par}{%
4125 \setlength{\RaggedRightParindent}{0.5pc}%
4126 \setlength{\JustifyingParindent}{0.5pc}%
4127 \setlength{\parindent}{0.5pc}%
4128 \setlength{\parskip}{0pt}%
4129 }

```



```

4130 \RequirePackage{ragged2e}
4131 \ifthenelse{\boolean{@bidiutfefloat@reversegeometry}}{%
4132 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=0]{ragged2e}
4133 \ifthenelse{\boolean{@bidiutfefloat@afourpaper}}
4134 {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=0}}
4135 {}
4136 \ifthenelse{\boolean{@bidiutfefloat@bfivepaper}}
4137 {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar=0}}
4138 {}{%
4139 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=0]{ragged2e}
4140 \ifthenelse{\boolean{@bidiutfefloat@afourpaper}}
4141 {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=0}}
4142 {}
4143 \ifthenelse{\boolean{@bidiutfefloat@bfivepaper}}
4144 {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar=0}}
4145 {}
4146 \ifthenelse{\boolean{@bidiutfefloat@symmetric}}
4147 {}
4148 {\geometry{asymmetric}}% forces internal LaTeX `twoside'
4149 \setlength\marginparpush{10pt}
4150 %% Font for margin items
4151 \newcommand{@marginfont}{\normalfont\footnotesize}
4152 \newcommand*{@captionfont}{\@bidiutfefloat@marginfont}
4153 \newcommand*{\setcaptionfont}[1]{\renewcommand*{@captionfont}{#1}}
4154 \newcommand{@justification}{\justifying}%
4155 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
4156 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
4157 \newboolean{@bidiutfefloat@changepage}
4158 \IfFileExists{changepage.sty}{%
4159 \bidiutfefloatDebugInfoNL{Found changepage.sty}
4160 \RequirePackage[strict]{changepage}
4161 \setboolean{@bidiutfefloat@changepage}{true}
4162 }{%
4163 \bidiutfefloatDebugInfoNL{Found chngpage.sty}
4164 \RequirePackage[strict]{chngpage}
4165 \setboolean{@bidiutfefloat@changepage}{false}
4166 }
4167 \newboolean{@bidiutfefloat@odd@page}
4168 \setboolean{@bidiutfefloat@odd@page}{true}
4169 \newcommand*{@checkoddpage}{%
4170 \checkoddpage%
4171 \ifthenelse{\boolean{@bidiutfefloat@changepage}}{%
4172 \ifoddpage%
4173 \setboolean{@bidiutfefloat@odd@page}{true}%
4174 \else%
4175 \setboolean{@bidiutfefloat@odd@page}{false}%
4176 \fi%
4177 }{%
4178 \ifcpoddpage%
4179 \setboolean{@bidiutfefloat@odd@page}{true}%

```



```

4180 \else%
4181 \setboolean{@biditytfloat@odd@page}{false}%
4182 \fi%
4183 }%
4184 }
4185 \newlength{@biditytfloat@overhang}% used by the fullwidth environment and the running head
4186 \newlength{@biditytfloat@fullwidth}
4187 \newlength{@biditytfloat@caption@fill}
4188 \newcommand{\biditytfloatRecalculate}{%
4189 \setlength{@biditytfloat@overhang}{\marginparwidth}
4190 \addtolength{@biditytfloat@overhang}{\marginparsep}
4191
4192 \setlength{@biditytfloat@fullwidth}{\textwidth}
4193 \addtolength{@biditytfloat@fullwidth}{\marginparsep}
4194 \addtolength{@biditytfloat@fullwidth}{\marginparwidth}
4195
4196 \setlength{@biditytfloat@caption@fill}{\textwidth}
4197 \addtolength{@biditytfloat@caption@fill}{\marginparsep}
4198 }
4199 \AtBeginDocument{\biditytfloatRecalculate}
4200 \RequirePackage{optparams}% provides multiple optional arguments for commands
4201 \RequirePackage{placeins}
4202 \newsavebox{@biditytfloat@margin@floatbox}
4203 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
4204 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order}
4205 {\begin{lrbox}{@biditytfloat@margin@floatbox}%
4206 \begin{minipage}{\marginparwidth}%
4207 \@biditytfloat@caption@font%
4208 \def\@capttype{#2}%
4209 \hbox{\vspace*{#1}%
4210 \@biditytfloat@caption@justification%
4211 \@biditytfloat@margin@par%
4212 \noindent%
4213 }
4214 {\end{minipage}%
4215 \end{lrbox}%
4216 \marginpar{\usebox{@biditytfloat@margin@floatbox}}%
4217 }
4218 \newenvironment{marginfigure}[1][-1.2ex]%
4219 {\begin{@biditytfloat@margin@float}[#1]{figure}}
4220 {\end{@biditytfloat@margin@float}}
4221 \newenvironment{margintable}[1][-1.2ex]%
4222 {\begin{@biditytfloat@margin@float}[#1]{table}}
4223 {\end{@biditytfloat@margin@float}}
4224 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
4225
4226 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float is processed
4227 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
4228 \ifthenelse{equal{\@biditytfloat@float@debug@info}{}}{
4229 {\def\@biditytfloat@float@debug@info{#1}}%

```



```

4230     {\g@addto@macro\@bidiutfefloat@float@debug@info{\MessageBreak#1}}%
4231 }
4232 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
4233 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bidiutfefloat@float@debug
4234 \newboolean{@bidiutfefloat@float@recto}
4235 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@bidiutfefloat@float@recto}{true}\@bidiufte
4236 \newcommand{\forceversofloat}{\GlobalSetBoolean{@bidiutfefloat@float@recto}{false}\@bidiuft
4237 \newsavebox{@@bidiutfefloat@figure@box}
4238 \newsavebox{@@bidiutfefloat@caption@box}
4239 \let@bidiutfefloat@orig@float@float
4240 \let@bidiutfefloat@orig@endfloat@endfloat
4241 \newlength{@bidiutfefloat@caption@vertical@offset}
4242 \setlength{@bidiutfefloat@caption@vertical@offset}{0pt}
4243 \newcommand{@bidiutfefloat@stored@shortcaption}{}
4244 \newcommand{@bidiutfefloat@stored@caption}{}
4245 \newcommand{@bidiutfefloat@stored@label}{}
4246 \long\def\@bidiutfefloat@caption[#1][#2]#3{%
4247   \ifthenelse{\isempty{#1}}%
4248     {\gdef\@bidiutfefloat@stored@shortcaption{#3}}%
4249     {\gdef\@bidiutfefloat@stored@shortcaption{#1}}%
4250   \gsetlength{@bidiutfefloat@caption@vertical@offset}{-#2}% we want a positive offset to lo
4251   \gdef\@bidiutfefloat@stored@caption{#3}%
4252 }
4253 \newcommand{@bidiutfefloat@label}[1]{%
4254   \gdef\@bidiutfefloat@stored@label{#1}%
4255 }
4256 \newcommand{@bidiutfefloat@fps}{}
4257 \newboolean{@bidiutfefloat@float@star}
4258 \newlength{@bidiutfefloat@float@contents@width}
4259 \newenvironment{@bidiutfefloat@float}[3][htbp]%
4260   {% begin @bidiutfefloat@float
4261     % Should this float be full-width or just text-width?
4262     \ifthenelse{\equal{#3}{star}}%
4263       {\GlobalSetBoolean{@bidiutfefloat@float@star}{true}}%
4264       {\GlobalSetBoolean{@bidiutfefloat@float@star}{false}}%
4265     % Check page side (recto/verso) and store detected value -- can be overridden in environme
4266     \@bidiutfefloat@checkoddpage%
4267     \ifthenelse{\boolean{@bidiutfefloat@odd@page}}%
4268       {\GlobalSetBoolean{@bidiutfefloat@float@recto}{true}\@bidiutfefloat@float@debug{Dete
4269       {\GlobalSetBoolean{@bidiutfefloat@float@recto}{false}\@bidiutfefloat@float@debug{Dete
4270     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages,
4271     \renewcommand{@bidiutfefloat@fps}{#1}%
4272     \@bidiutfefloat@float@debug{Allowed positions: [ #1 ]}%
4273     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
4274       {\renewcommand{\floatalignment}{b}\@bidiutfefloat@float@debug{Presumed position: [bott
4275       {\renewcommand{\floatalignment}{t}\@bidiutfefloat@float@debug{Presumed position: [top]
4276     % Capture the contents of the \caption and \label commands to use later
4277     \global\let@bidiutfefloat@orig@caption\caption%
4278     \global\let@bidiutfefloat@orig@label\label%
4279     \renewcommand{\caption}{\optparams\@bidiutfefloat@caption}{[[] [Opt]]}%

```



```

4280 \renewcommand{\label}[1]{\@bituftefloat@label{##1}}%
4281 % Handle subfigure package compatibility
4282 \ifthenelse{\boolean{@bituftefloat@packages@subfigure}}{%
4283   \bidi@patchcmd{\subfigure}{%
4284     \let\subfig@oldlabel=\label
4285   }{%
4286     \let\subfig@oldlabel=\@bituftefloat@orig@label
4287   }
4288   {}
4289   {}
4290   \let\subtable=\subfigure
4291 }{}% subfigure package is not loaded
4292 \@bituftefloat@orig@float{#2}[#1]%
4293 \ifthenelse{\boolean{@bituftefloat@float@star}}{%
4294   {\setlength{\@bituftefloat@float@contents@width}{\@bituftefloat@fullwidth}}%
4295   {\setlength{\@bituftefloat@float@contents@width}{\textwidth}}%
4296 \begin{lrbox}{\@bituftefloat@figure@box}%
4297 \begin{minipage}[\floatalignment]{\@bituftefloat@float@contents@width}\hbox{%
4298 }{}% end @bituftefloat@float
4299 \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% al
4300 \end{minipage}%
4301 \end{lrbox}%
4302 % build the caption box
4303 \begin{lrbox}{\@bituftefloat@caption@box}%
4304 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4305   \ifthenelse{\NOT\equal{\@bituftefloat@stored@caption}{}}{\@bituftefloat@orig@capt
4306   \ifthenelse{\NOT\equal{\@bituftefloat@stored@label}{}}{\@bituftefloat@orig@label{
4307   \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4308 \end{minipage}%
4309 \end{lrbox}%
4310 % now typeset the stored boxes
4311 \begin{fullwidth}%
4312 \begin{minipage}[\floatalignment]{\linewidth}%
4313   \ifthenelse{\boolean{@bituftefloat@float@star}}{%
4314     {\@bituftefloat@float@fullwidth[\@bituftefloat@caption@vertical@offset]{\@bitu
4315     {\@bituftefloat@float@textwidth[\@bituftefloat@caption@vertical@offset]{\@bitu
4316   \end{minipage}%
4317 \end{fullwidth}%
4318 \@bituftefloat@orig@endfloat% end original LaTeX float environment
4319 % output debug info
4320 \ifthenelse{\boolean{@bituftefloat@debug}}{%
4321   \typeout{^^J^^J----- bidiuftefloat package float information -----}%
4322   \ifthenelse{\equal{\@bituftefloat@stored@label}{}}%
4323     {\typeout{Warning: Float unlabeled!}}%
4324     {\typeout{Float label: [\@bituftefloat@stored@label]}}%
4325   \typeout{Page number: [\thepage]}%
4326   \def\MessageBreak{^^J}%
4327   \typeout{\@bituftefloat@float@debug@info}%
4328   \ifthenelse{\boolean{@bituftefloat@symmetric}}%
4329     {\typeout{Symmetric: [true]}}%

```



```

4330      {\typeout{Symmetric: [false]}}}%
4331      \typeout{-----^^J^^J}%
4332    }{}%
4333    % reset commands and temp boxes and captions
4334    \gdef\@biditytfloat@float@debug@info{}%
4335    \let\caption\@biditytfloat@orig@caption%
4336    \let\label\@biditytfloat@orig@label%
4337    \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
4338    \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
4339    \gdef\@biditytfloat@stored@shortcaption{}%
4340    \gdef\@biditytfloat@stored@caption{}%
4341    \gdef\@biditytfloat@stored@label{}%
4342    \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
4343  }
4344  \newcommand{\@biditytfloat@float@textwidth}[3][0pt]{%
4345    \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}%
4346      % asymmetric or page is odd, so caption is on the right
4347      \hbox{%
4348        \usebox{#2}%
4349        \hspace{\marginparsep}%
4350        \smash{\raisebox{#1}{\usebox{#3}}}%
4351      }
4352      \@biditytfloat@float@debug{Caption position: [right]}%
4353  }{% symmetric pages and page is even, so caption is on the left
4354    \hbox{%
4355      \smash{\raisebox{#1}{\usebox{#3}}}%
4356      \hspace{\marginparsep}%
4357      \usebox{#2}%
4358    }
4359    \@biditytfloat@float@debug{Caption position: [left]}%
4360  }%
4361 }
4362 \newcommand{\@biditytfloat@float@fullwidth}[3][0pt]{%
4363   \ifthenelse{\equal{\floatalignment}{b}}%
4364     {% place caption above figure
4365       \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}%
4366         {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{}}
4367         {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{}}
4368     }{% place caption below figure
4369       \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}%
4370         {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{}}
4371         {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{}}
4372     }%
4373 }
4374 \renewenvironment{figure}[1][htbp]%
4375   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4376   {\end{@biditytfloat@float}}
4377 \renewenvironment{table}[1][htbp]
4378   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4379   {\end{@biditytfloat@float}}

```



```

4380 \renewenvironment{figure*}[1][htbp]%
4381   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4382   {\end{@biditytfloat@float}}
4383 \renewenvironment{table*}[1][htbp]%
4384   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4385   {\end{@biditytfloat@float}}
4386 \newenvironment{fullwidth}
4387   {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4388     {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-}{-@biditytfloat@overhang}}%
4389     {\begin{adjustwidth}{-}{-@biditytfloat@overhang}}}%
4390   }%
4391   {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4392     {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4393     {\end{adjustwidth}}}%
4394   }
4395 \long\def\@caption#1[#2]#3{%
4396   \par%
4397   \addcontentsline{\csname ext@#1\endcsname}{#1}%
4398     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4399   \begingroup%
4400     \@parboxrestore%
4401     \ifminipage%
4402       \setminipage%
4403     \fi%
4404     \@biditytfloat@caption@font\@biditytfloat@caption@justification%
4405     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4406     %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4407   \endgroup}
4408 %%
4409 % Turns newlines into spaces. Based on code from the 'titlesec' package.
4410 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
4411   \@ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
4412 }
4413 \def\@biditytfloat@newlinetospace@i{%
4414   \ifdim\lastskip>z@\else\space\fi
4415   \ignorespaces%
4416 }
4417 \DeclareRobustCommand{\newlinetospace}[1]{%
4418   \let\@biditytfloat@orig@cr\\% save the original meaning of \\
4419   \def\\{\@biditytfloat@newlinetospace}% turn \\ and \\* into \space
4420   \let\newline\\% turn \newline into \space
4421   #1%
4422   \let\\\@biditytfloat@orig@cr% revert to original meaning of \\
4423 }
4424 \RequirePackage{fancyhdr}
4425 \pagestyle{fancy}
4426 \AtBeginDocument{%
4427   \ifthenelse{\boolean{@biditytfloat@symmetric}}
4428     {\fancyhfoffset[LE,R0]{\@biditytfloat@overhang}}
4429     {\fancyhfoffset[RE,R0]{\@biditytfloat@overhang}}

```



```

4430 }
4431 % The running heads/feet don't have rules
4432 \renewcommand{\headrulewidth}{0pt}
4433 \renewcommand{\footrulewidth}{0pt}
4434 % The 'fancy' page style is the default style for all pages.
4435 \fancyhf{} % clear header and footer fields
4436 \ifthenelse{\boolean{@bidiuftefloat@symmetric}}
4437 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4438 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4439 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4440 % The 'plain' page style is used on chapter opening pages.
4441 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4442 % bottom of pages -- the folios are unexpressed.
4443 \fancypagestyle{plain}{
4444 \fancyhf{} % clear header and footer fields
4445 % Uncomment the following five lines of code if you want the opening page
4446 % of the chapter to express the folio in the lower outside corner.
4447 % \ifthenelse{\boolean{@bidiuftefloat@symmetric}}
4448 % {\fancyfoot[LE,RO]{\thepage}}
4449 % {\fancyfoot[RE,RO]{\thepage}}
4450 }
4451 % The 'empty' page style suppresses all headers and footers.
4452 % It's used on title pages and 'intentionally blank' pages.
4453 \fancypagestyle{empty}{
4454 \fancyhf{} % clear header and footer fields
4455 }
4456 \def\morefloats{% provides a total of 52 floats
4457 \ifthenelse{\isundefined{\bx@S}}{%
4458 \bidiuftefloatDebugInfoNL{Adding 34 more float slots.}
4459 \newinsert\bx@S
4460 \newinsert\bx@T
4461 \newinsert\bx@U
4462 \newinsert\bx@V
4463 \newinsert\bx@W
4464 \newinsert\bx@X
4465 \newinsert\bx@Y
4466 \newinsert\bx@Z
4467 \newinsert\bx@a
4468 \newinsert\bx@b
4469 \newinsert\bx@c
4470 \newinsert\bx@d
4471 \newinsert\bx@e
4472 \newinsert\bx@f
4473 \newinsert\bx@g
4474 \newinsert\bx@h
4475 \newinsert\bx@i
4476 \newinsert\bx@j
4477 \newinsert\bx@k
4478 \newinsert\bx@l
4479 \newinsert\bx@m

```



```

4480 \newinsert\bx@n
4481 \newinsert\bx@o
4482 \newinsert\bx@p
4483 \newinsert\bx@q
4484 \newinsert\bx@r
4485 \newinsert\bx@s
4486 \newinsert\bx@t
4487 \newinsert\bx@u
4488 \newinsert\bx@v
4489 \newinsert\bx@w
4490 \newinsert\bx@x
4491 \newinsert\bx@y
4492 \newinsert\bx@z
4493 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4494 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4495 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4496 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4497 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4498 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4499 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4500 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4501 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4502 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4503 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4504 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4505 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4506 \ifthenelse{\isundefined{\bx@AA}}{%
4507 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
4508 \newinsert\bx@AA
4509 \newinsert\bx@BB
4510 \newinsert\bx@CC
4511 \newinsert\bx@DD
4512 \newinsert\bx@EE
4513 \newinsert\bx@FF
4514 \newinsert\bx@GG
4515 \newinsert\bx@HH
4516 \newinsert\bx@II
4517 \newinsert\bx@JJ
4518 \newinsert\bx@KK
4519 \newinsert\bx@LL
4520 \newinsert\bx@MM
4521 \newinsert\bx@NN
4522 \newinsert\bx@OO
4523 \newinsert\bx@PP
4524 \newinsert\bx@QQ
4525 \newinsert\bx@RR
4526 \newinsert\bx@SS
4527 \newinsert\bx@TT
4528 \newinsert\bx@UU
4529 \newinsert\bx@VV

```



```

4530 \newinsert\bx@WW
4531 \newinsert\bx@XX
4532 \newinsert\bx@YY
4533 \newinsert\bx@ZZ
4534 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4535 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4536 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4537 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4538 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4539 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4540 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4541 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4542 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4543 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4544 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4545 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4546 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4547 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4548 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4549 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4550 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4551 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4552 }{%
4553 \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageB
4554 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\
4555 }%
4556 }%
4557 }
4558 \newboolean{@biditytfloat@packages@subfigure}
4559 \setboolean{@biditytfloat@packages@subfigure}{false}
4560 \AtBeginDocument{%
4561 \ifpackageloaded{subfigure}
4562 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
4563 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
4564 }
4565 \AtBeginDocument{%
4566 \ifpackageloaded{float}{%
4567 % Save the redefined float environment (instead of the LaTeX float environment)
4568 \let\@biditytfloat@orig@float\@float
4569 \let\@biditytfloat@orig@endfloat\endfloat
4570
4571 % Define Tuftian float styles (with the caption in the margin)
4572 \newcommand{\floatc@biditytfloatplain}[2]{%
4573 \begin{lrbox}{\@biditytfloat@caption@box}%
4574 \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{%
4575 \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4576 \end{minipage}%
4577 \end{lrbox}%
4578 \smash{\hspace{\@biditytfloat@caption@fill}\usebox{\@biditytfloat@caption@box}}%
4579 }

```



```

4580 \newcommand{\fs@bidituftefloatplain}{%
4581   \def\@fs@cfont{\@bidituftefloat@caption@font}%
4582   \let\@fs@capt\floatc@bidituftefloatplain%
4583   \def\@fs@pre{}%
4584   \def\@fs@post{}%
4585   \def\@fs@mid{}%
4586   \let\@fs@iftopcapt\iftrue%
4587 }
4588 \let\fs@bidituftefloatplaintop=\fs@bidituftefloatplain
4589 \let\floatc@bidituftefloatplaintop=\floatc@bidituftefloatplain
4590 \newcommand\floatc@bidituftefloatruled[2]{%
4591   {\@fs@cfont #1} #2\par%
4592 }
4593 \newcommand\fs@bidituftefloatruled{%
4594   \def\@fs@cfont{\@bidituftefloat@caption@font}%
4595   \let\@fs@capt\floatc@bidituftefloatplain%
4596   \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4597   \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4598   \def\@fs@mid{}%
4599   \let\@fs@iftopcapt\iftrue%
4600 }
4601 \newcommand\fs@bidituftefloatboxed{%
4602   \def\@fs@cfont{}%
4603   \let\@fs@capt\floatc@bidituftefloatplain%
4604   \def\@fs@pre{%
4605     \setbox\@currbox\vbox{\hbadness10000
4606       \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4607         \hrule \hbox to\hsize{\vrule\kern3pt
4608           \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4609   }%
4610   \def\@fs@mid{\kern2pt}%
4611   \def\@fs@post{}%
4612   \let\@fs@iftopcapt\iftrue%
4613 }
4614 }{%
4615   % Nothing to do
4616 }
4617 }
4618 \AtBeginDocument{%
4619   \@ifpackageloaded{algorithm}{%
4620     % Set the float style to the TufTian version
4621     \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{boxed}}{}%
4622     \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak
4623       \floatstyle{bidituftefloat\ALG@floatstyle}}%
4624     \restylefloat{algorithm}%
4625   }{}%
4626 }{%
4627   % Nothing to do
4628 }
4629 }
```



```
4630 \PassOptionsToPackage{caption=false}{subfig}
```

7.22 bidentuftsidenote.sty

```
4631 \NeedsTeXFormat{LaTeX2e}
4632 \ProvidesPackage{bidentuftsidenote}[2017/08/09 v0.4
4633 bidi implementation of tufte sidenote]
4634 \RequirePackage{xifthen}
4635 \RequirePackage{ragged2e}
4636 \RequirePackage{setspace}
4637 \RequirePackage{bidenttools}
4638 \def\bidentuftsidenotemarginpar{%
4639   \ifhmode
4640     \@bsphack
4641     \@floatpenalty -\@Mii
4642   \else
4643     \@floatpenalty-\@Miii
4644   \fi
4645   \ifinner
4646     \@parmoderr
4647     \@floatpenalty\z@
4648   \else
4649     \@next\@currbox\@freelist{}\{}%
4650     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4651     {\@floatpenalty\z@
4652       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4653   \fi
4654   \@ifnextchar [\@bidentuftsidenotexmpar\@bidentuftsidenoteympar}
4655 \long\def\@bidentuftsidenotexmpar[#1]#2{%
4656   \@bidentuftsidenotesavemarbox\@marbox{#1}%
4657   \@bidentuftsidenotesavemarbox\@currbox{#2}%
4658   \@xympar}
4659 \long\def\@bidentuftsidenoteympar#1{%
4660   \@bidentuftsidenotesavemarbox\@marbox{#1}%
4661   \global\setbox\@currbox\copy\@marbox
4662   \@xympar}
4663 \long\def \@bidentuftsidenotesavemarbox #1#2{%
4664   \global\setbox #1%
4665     \color@vbox
4666     \vtop{%
4667       \hsize\marginparwidth
4668       \@parboxrestore
4669       \@bidentuftsidenotemarginparreset
4670       #2%
4671       \@minipagefalse
4672       \outer@nobreak
4673     }%
4674   \color@endbox
4675 }
4676 \def \@bidentuftsidenotemarginparreset {%
```



```

4677         \reset@font
4678         \normalsize
4679         \@minipagetrue
4680         \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
4681     }
4682 \def\LTRbidityftesidenotemarginpar{%
4683     \ifhmode
4684         \@bsphack
4685         \@floatpenalty -\@Mii
4686     \else
4687         \@floatpenalty -\@Miii
4688     \fi
4689     \ifinner
4690         \@parmoderr
4691         \@floatpenalty\z@
4692     \else
4693         \@next\@currbox\@freelist{}\}%
4694         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4695         {\@floatpenalty\z@
4696         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4697     \fi
4698     \ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
4699 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4700     \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4701     \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
4702     \@xympar}
4703 \long\def\@LTRbidityftesidenoteympar#1{%
4704     \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4705     \global\setbox\@currbox\copy\@marbox
4706     \@xympar}
4707 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
4708     \global\setbox #1%
4709         \color@vbox
4710         \vtop{%
4711             \hsize\marginparwidth
4712             \@parboxrestore
4713             \@LTRbidityftesidenotemarginparreset
4714             #2%
4715             \@minipagefalse
4716             \outer@nobreak
4717         }%
4718     \color@endbox
4719 }
4720 \def \@LTRbidityftesidenotemarginparreset {%
4721     \reset@font
4722     \normalsize
4723     \@minipagetrue
4724     \everypar{\@minipagefalse\everypar{}\beginL}%
4725 }
4726 \def\RTLbidityftesidenotemarginpar{%

```



```

4727 \ifhmode
4728   \@bsphack
4729   \@floatpenalty -\@Mii
4730 \else
4731   \@floatpenalty-\@Miii
4732 \fi
4733 \ifinner
4734   \@parmoderr
4735   \@floatpenalty\z@
4736 \else
4737   \@next\@currbox\@freelist{}\}%
4738   \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4739   {\@floatpenalty\z@
4740   \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4741 \fi
4742 \@ifnextchar [\@RTLbiditytesidenotexmpar\@RTLbiditytesidenoteympar}
4743 \long\def\@RTLbiditytesidenotexmpar[#1]#2{%
4744   \@RTLbiditytesidenotesavemarbox\@marbox{#1}%
4745   \@RTLbiditytesidenotesavemarbox\@currbox{#2}%
4746   \@xympar}
4747 \long\def\@RTLbiditytesidenoteympar#1{%
4748   \@RTLbiditytesidenotesavemarbox\@marbox{#1}%
4749   \global\setbox\@currbox\copy\@marbox
4750   \@xympar}
4751 \long\def \@RTLbiditytesidenotesavemarbox #1#2{%
4752   \global\setbox #1%
4753     \color@vbox
4754     \vtop{%
4755       \hsize\marginparwidth
4756       \@parboxrestore
4757       \@RTLbiditytesidenotemarginparreset
4758       #2%
4759       \@minipagefalse
4760       \outer@nobreak
4761     }%
4762   \color@endbox
4763 }
4764 \def \@RTLbiditytesidenotemarginparreset {%
4765   \reset@font
4766   \normalsize
4767   \@minipagetrue
4768   \everypar{\@minipagefalse\everypar{}\beginR}%
4769 }
4770 \newcommand*{\@biditytesidenote@marginfont}{\normalfont\footnotesize}
4771 \newcommand*{\@biditytesidenote@LTRmarginfont}{\normalfont\footnotesize}
4772 \newcommand*{\@biditytesidenote@RTLmarginfont}{\normalfont\footnotesize}
4773 \newcommand*{\@biditytesidenote@sidenote@font}{\@biditytesidenote@marginfont}
4774 \newcommand*{\@biditytesidenote@LTRsidenote@font}{\@biditytesidenote@LTRmarginfont}
4775 \newcommand*{\@biditytesidenote@RTLSidenote@font}{\@biditytesidenote@RTLmarginfont}
4776 \newcommand*{\@biditytesidenote@marginnote@font}{\@biditytesidenote@marginfont}

```



```

4777 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
4778 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
4779 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
4780 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
4781 \newcommand*{\@bidityftesidenote@RTLcitation@font}{\@bidityftesidenote@RTLmarginfont}
4782 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
4783 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
4784 \newcommand*{\setRTLSidenotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
4785 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
4786 \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}}
4787 \newcommand*{\setRTLmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}}
4788 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
4789 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
4790 \newcommand*{\setRTLcitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLcitation@font}{#1}}
4791 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@au}
4792 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@au}
4793 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@au}
4794 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
4795 \newcommand{\@bidityftesidenote@margin@par}{%
4796   \setlength{\RaggedRightParindent}{0.5pc}%
4797   \setlength{\JustifyingParindent}{0.5pc}%
4798   \setlength{\parindent}{0.5pc}%
4799   \setlength{\parskip}{0pt}%
4800 }
4801 %%
4802 % Globally sets the length
4803 \ifundefined{gsetlength}{%
4804 \newcommand*{\gsetlength}[2]{%
4805   \setlength{#1}{#2}%
4806   \global#1=#1\relax%
4807 }%
4808 }{}
4809
4810 %%
4811 % A function that removes leading and trailing spaces from the supplied macro.
4812 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4813 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
4814 % being trimmed of leading and trailing white space.
4815 \catcode`\Q=3
4816 \def\@bidityftesidenote@trim@spaces#1{%
4817   % Use grouping to emulate a multi-token afterassignment queue
4818   \begingroup%
4819   % Put ``\toks 0 {' into the afterassignment queue
4820   \aftergroup\toks\aftergroup0\aftergroup{%
4821     % Apply \trimb to the replacement text of #1, adding a leading
4822     % \noexpand to prevent brace stripping and to serve another purpose
4823     % later.
4824     \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4825   % Transfer the trimmed text back into #1.
4826   \edef#1{\the\toks0}%

```



```

4827 }
4828 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
4829 % clean up any leftover bizarre Qs, and trim a leading space. In
4830 % order for \trimc to work properly we need to put back a Q first.
4831 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
4832 % Execute \vfuzz assignment to remove leading space; the \noexpand
4833 % will now prevent unwanted expansion of a macro or other expandable
4834 % token at the beginning of the trimmed text. The \endgroup will feed
4835 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4836 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4837 \catcode`\Q=11
4838 %%
4839 % Citations should go in the margin as sidenotes
4840
4841 \RequirePackage{natbib}
4842 \RequirePackage{bibentry} % allows bibitems to be typeset outside the bibliography envi
4843 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4844 \renewcommand\BR@b@bibitem[2] []{%
4845   \ifthenelse{\isempty{#1}}{%
4846     {\BR@b@bibitem{#2}}%
4847     {\BR@b@bibitem{#1}{#2}}%
4848   \BR@c@bibitem{#2}%
4849 }
4850 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
4851 %%
4852 % Normal \cite behavior
4853 \newcounter{@bidityftesidenote@num@bibkeys}%
4854 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt]{%
4855   % Snag the last bibentry in the list for later comparison
4856   \let\@temp@last@bibkey\@empty%
4857   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4858   \sidenote[] [#1]{%
4859     % Loop through all the bibentries, separating them with semicolons and spaces
4860     \normalsize\normalfont\@bidityftesidenote@citation@font%
4861     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4862     \@for\@temp@bibkeyx:=#2\do{%
4863       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4864         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\{and\ }%
4865           \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4866           \bibentry{\@temp@bibkeyx}}%
4867         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4868           \bibentry{\@temp@bibkeyx};\ }%
4869       \stepcounter{@bidityftesidenote@num@bibkeys}%
4870     }%
4871   }%
4872 }
4873 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2] [Opt]{%
4874   % Snag the last bibentry in the list for later comparison
4875   \let\@temp@last@bibkey\@empty%
4876   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%

```



```

4877 \LTRsidenote[] [#1]{%
4878 % Loop through all the bibentries, separating them with semicolons and spaces
4879 \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
4880 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4881 \@for\@temp@bibkeyx:=#2\do{%
4882 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4883 {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4884 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4885 \bibentry{\@temp@bibkeyx}}%
4886 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4887 \bibentry{\@temp@bibkeyx};\ }%
4888 \stepcounter{@bidityftesidenote@num@bibkeys}%
4889 }%
4890 }%
4891 }
4892 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
4893 % Snag the last bibentry in the list for later comparison
4894 \let\@temp@last@bibkey\@empty%
4895 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4896 \RTLsidenote[] [#1]{%
4897 % Loop through all the bibentries, separating them with semicolons and spaces
4898 \normalsize\normalfont\@bidityftesidenote@citation@font%
4899 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4900 \@for\@temp@bibkeyx:=#2\do{%
4901 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4902 {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4903 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4904 \bibentry{\@temp@bibkeyx}}%
4905 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4906 \bibentry{\@temp@bibkeyx};\ }%
4907 \stepcounter{@bidityftesidenote@num@bibkeys}%
4908 }%
4909 }%
4910 }
4911 %%
4912 % Macros for holding the list of cite keys until after the \sidenote
4913 \gdef\@bidityftesidenote@citations{}% list of cite keys
4914 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
4915 \ifx\@bidityftesidenote@citations\@empty\else
4916 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
4917 \fi
4918 \g@addto@macro\@bidityftesidenote@citations{#1}
4919 }
4920 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
4921 % Snag the last bibentry in the list for later comparison
4922 \let\@temp@last@bibkey\@empty%
4923 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4924 \marginpar{%
4925 \hbox{\vspace*{#1}%
4926 \@bidityftesidenote@citation@font%

```



```

4927 \@bidityftesidenote@citation@justification%
4928 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4929 \vspace*{-1\baselineskip}%
4930 % Loop through all the bibentries, separating them with semicolons and spaces
4931 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4932 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
4933   \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4934     {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4935       \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4936       \bibentry{\@temp@bibkeyx}}%
4937     {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4938       \bibentry{\@temp@bibkeyx};\ }%
4939   \stepcounter{@bidityftesidenote@num@bibkeys}%
4940 }%
4941 }%
4942 }
4943 %%
4944 % \cite behavior when executed within a sidenote
4945 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
4946 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
4947   \@bidityftesidenote@add@citation{#1}
4948 }
4949 %%
4950 % Set the default \cite style. This is set and reset by the \sidenote command.
4951 \let\cite\@bidityftesidenote@normal@cite
4952 \let\LTRcite\@bidityftesidenote@normal@cite
4953 \let\RTLcite\@bidityftesidenote@normal@cite
4954 %%
4955 % Transform existing \footnotes into \sidenotes
4956 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
4957 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
4958 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
4959 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
4960 % Override footmisc's definition to set the sidenote marks (numbers) inside the
4961 % sidenote's text block.
4962 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote@font\@bidityftesidenote@font}}}%
4963 % Set the in-text footnote mark in the same typeface as the body text itself.
4964 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bidityftesidenote@font\@bidityftesidenote@font}}}%
4965 \providecommand*\@multiplefootnotemark}{3sp}
4966 \providecommand*\@multifootsep}{,}
4967 \bidi@patch@AfterPackage{bidi}{%
4968 \renewcommand{\@footnotemark}{%
4969   \leavevmode%
4970   \ifhmode%
4971     \edef\x@sf{\the\spacefactor}%
4972     \@bidityftesidenote@check@multiple@sidenotes%
4973     \nobreak%
4974     \fi%
4975     \@makefnmark%
4976     \ifhmode\spacefactor\x@sf\fi%

```



```

4977 \relax%
4978 }%
4979 }
4980 \newcommand{\@bidiuftesidenote@check@multiple@sidenotes}{%
4981 \ifdim\lastkern=\multiplefootnotemarker\relax%
4982 \edef\x@sf{\the\spacefactor}%
4983 \unkern%
4984 \textsuperscript{\multfootsep}%
4985 \spacefactor\x@sf\relax%
4986 \fi
4987 }
4988 \bidi@patch@AfterPackage{bidi}{%
4989 \renewcommand\@footnotetext[2][Opt]{%
4990 \bidiuftesidenotemarginpar{%
4991 \hbox{ }\vspace*{#1}%
4992 \def\baselinestretch {\setspace@singlespace}%
4993 \reset@font%
4994 \bidi@@footnotetext@font% \reset@font\footnotesize%
4995 \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
4996 \vspace*{-1\baselineskip}\noindent%
4997 \protected@edef\@currentlabel{%
4998 \csname p@footnote\endcsname\@thefnmark%
4999 }%
5000 \color@begingroup%
5001 \@makefntext{%
5002 \ignorespaces#2%
5003 }%
5004 \color@endgroup%
5005 }%
5006 }%
5007 \renewcommand\@LTRfootnotetext[2][Opt]{%
5008 \LTRbidiuftesidenotemarginpar{%
5009 \hbox{ }\vspace*{#1}%
5010 \def\baselinestretch {\setspace@singlespace}%
5011 \reset@font%
5012 \bidi@@LTRfootnotetext@font% \reset@font\footnotesize%
5013 \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
5014 \vspace*{-1\baselineskip}\noindent%
5015 \protected@edef\@currentlabel{%
5016 \csname p@footnote\endcsname\@thefnmark%
5017 }%
5018 \color@begingroup%
5019 \@makefntext{%
5020 \ignorespaces#2%
5021 }%
5022 \color@endgroup%
5023 }%
5024 }%
5025 \renewcommand\@RTLfootnotetext[2][Opt]{%
5026 \RTLbidiuftesidenotemarginpar{%

```



```

5027 \hbox{}\vspace*{#1}%
5028 \def\baselinestretch {\setspace@singlespace}%
5029 \reset@font%
5030 \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5031 \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
5032 \vspace*{-1\baselineskip}\noindent%
5033 \protected@edef\@currentlabel{%
5034     \csname p@footnote\endcsname\@thefnmark%
5035 }%
5036 \color@begingroup%
5037     \@makefnfntext{%
5038         \ignorespaces#2%
5039     }%
5040 \color@endgroup%
5041 }%
5042 }%
5043 }
5044 %
5045 % Define \sidenote command. Can handle \cite.
5046 \newlength{\@bidiuftesidenote@sidenote@vertical@offset}
5047 \setlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}
5048 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
5049 \long\def\@bidiuftesidenote@sidenote[#1][#2]#3{%
5050     \let\cite\@bidiuftesidenote@infootnote@cite% use the in-sidenote \cite command
5051     \gdef\@bidiuftesidenote@citations{}% clear out any old citations
5052     \ifthenelse{\NOT\isempty{#2}}{%
5053         \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{#2}%
5054     }{%
5055         \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}%
5056     }%
5057     \ifthenelse{\isempty{#1}}{%
5058         % no specific footnote number provided
5059         \stepcounter\@mpfn%
5060         \protected@xdef\@thefnmark{\thempfn}%
5061         \@footnotemark\@footnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
5062     }{%
5063         % specific footnote number provided
5064         \begingroup%
5065             \csname c@\@mpfn\endcsname #1\relax%
5066             \unrestored@protected@xdef\@thefnmark{\thempfn}%
5067         \endgroup%
5068         \@footnotemark\@footnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
5069     }%
5070     \@bidiuftesidenote@print@citations% print any citations
5071     \let\cite\@bidiuftesidenote@normal@cite% go back to using normal in-text \cite command
5072     \let\LTRcite\@bidiuftesidenote@normal@cite% go back to using normal in-text \LTRcite
5073     \let\RTLcite\@bidiuftesidenote@normal@cite% go back to using normal in-text \RTLcite
5074     \unskip\ignorespaces% remove extra white space
5075     \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5076     \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked

```



```

5077 }
5078 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
5079   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
5080   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5081   \ifthenelse{\NOT\isempty{#2}}{%
5082     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5083   }{%
5084     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5085   }%
5086   \ifthenelse{\isempty{#1}}{%
5087     % no specific footnote number provided
5088     \stepcounter\@mpfn%
5089     \protected@xdef\@thefnmark{\thempfn}%
5090     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5091   }{%
5092     % specific footnote number provided
5093     \begingroup%
5094       \csname c@\@mpfn\endcsname #1\relax%
5095       \unrestored@protected@xdef\@thefnmark{\thempfn}%
5096     \endgroup%
5097     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5098   }%
5099   \@bidityftesidenote@print@citations%             print any citations
5100   \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
5101   \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTRcite
5102   \let\RTLcite\@bidityfteRTLsidenote@normal@cite%  go back to using normal in-text \RTLcite
5103   \unskip\ignorespaces%                            remove extra white space
5104   \kern-\multiplefootnotemarker%                   remove \kern left behind by sidenote
5105   \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5106 }
5107 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
5108   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
5109   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5110   \ifthenelse{\NOT\isempty{#2}}{%
5111     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5112   }{%
5113     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5114   }%
5115   \ifthenelse{\isempty{#1}}{%
5116     % no specific footnote number provided
5117     \stepcounter\@mpfn%
5118     \protected@xdef\@thefnmark{\thempfn}%
5119     \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5120   }{%
5121     % specific footnote number provided
5122     \begingroup%
5123       \csname c@\@mpfn\endcsname #1\relax%
5124       \unrestored@protected@xdef\@thefnmark{\thempfn}%
5125     \endgroup%
5126     \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%

```



```

5127 }%
5128 \@bidityftesidenote@print@citations%          print any citations
5129 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
5130 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5131 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5132 \unskip\ignorespaces%                          remove extra white space
5133 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
5134 \kern\multiplefootnotemarker\relax%            add new \kern here to replace the one we yanked
5135 }
5136 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
5137 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
5138 \newcommand{\RTLSidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
5139 \bidi@patch@AfterPackage{bidi}{%
5140 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
5141 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
5142 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
5143 }
5144 %%
5145 % Sidenote without the footnote mark
5146 \newcommand\marginnote[2] [Opt]{%
5147 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5148 \gdef\@bidityftesidenote@citations{}%       clear out any old citations
5149 \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@print@citations%
5150 \print@citations%
5151 \let\cite\@bidityftesidenote@normal@cite%    go back to using normal in-text \cite command
5152 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5153 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5154 }
5155 \newcommand\LTRmarginnote[2] [Opt]{%
5156 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5157 \gdef\@bidityftesidenote@citations{}%       clear out any old citations
5158 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@bidityftesidenote@print@citations%
5159 \print@citations%
5160 \let\cite\@bidityftesidenote@normal@cite%    go back to using normal in-text \cite command
5161 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5162 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5163 }
5164 \newcommand\RTLMarginnote[2] [Opt]{%
5165 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5166 \gdef\@bidityftesidenote@citations{}%       clear out any old citations
5167 \RTLBidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLMarginnote@font\@bidityftesidenote@print@citations%
5168 \print@citations%
5169 \let\cite\@bidityftesidenote@normal@cite%    go back to using normal in-text \cite command
5170 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5171 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5172 }

```

7.23 bidityftetoc.sty

```

5173 \NeedsTeXFormat{LaTeX2e}

```



```

5174 \ProvidesPackage{bidityuftetoc}[2011/06/17 v0.1
5175 bidi implementation of tufte toc]
5176 \RequirePackage{titlesec,titletoc,xifthen,biditools}
5177 \newcommand{\@bidityuftetoc@pkgname}{bidityuftetoc}
5178 \newcommand{\bidityuftetocError}[2]{\PackageError{\@bidityuftetoc@pkgname}{#1}{#2}}
5179 %%
5180 % Turn off section numbering
5181 \setcounter{secnumdepth}{-1}
5182 \newboolean{@bidityuftetoc@toc}
5183 \setboolean{@bidityuftetoc@toc}{true}
5184 \DeclareOption{notoc}{\setboolean{@bidityuftetoc@toc}{false}}
5185 \DeclareOption{toc}{\setboolean{@bidityuftetoc@toc}{true}}
5186 \ProcessOptions
5187 %%
5188 % Make Tuftean-style section headings and TOC formatting
5189 \bidityft@patch@AfterPackage{bidi}{%
5190 \titleformat{\chapter}%
5191 [display]% shape
5192 {\relax\ifthenelse{\NOT\boolean{@bidityuftfloat@symmetric}}{\begin{fullwidth}}{}}% format a
5193 {\itshape\huge\thechapter}% label
5194 {0pt}% horizontal separation between label and title body
5195 {\huge\rmfamily\itshape}% before the title body
5196 [\ifthenelse{\NOT\boolean{@bidityuftfloat@symmetric}}{\end{fullwidth}}{}}% after the title
5197 \titleformat{\section}%
5198 [hang]% shape
5199 {\normalfont\Large\itshape}% format applied to label+text
5200 {\thesection}% label
5201 {1em}% horizontal separation between label and title body
5202 {}% before the title body
5203 []% after the title body
5204 \titleformat{\subsection}%
5205 [hang]% shape
5206 {\normalfont\large\itshape}% format applied to label+text
5207 {\thesubsection}% label
5208 {1em}% horizontal separation between label and title body
5209 {}% before the title body
5210 []% after the title body
5211 \titleformat{\paragraph}%
5212 [runin]% shape
5213 {\normalfont\itshape}% format applied to label+text
5214 {\theparagraph}% label
5215 {1em}% horizontal separation between label and title body
5216 {}% before the title body
5217 []% after the title body
5218 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
5219 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
5220 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus.2ex}
5221 }
5222 % Subsubsection and following section headings shouldn't be used.
5223 % See Bringhurst's _The Elements of Typography_, section 4.2.2.

```



```

5224 \renewcommand\subsubsection{%
5225   \biditytetocError{\noexpand\subsubsection is undefined by this class.%
5226   \MessageBreak See Robert Bringhurst's _The Elements of
5227   \MessageBreak Typographic Style_, section 4.2.2.
5228   \MessageBreak \noexpand\subsubsection was used}
5229   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5230   \MessageBreak many levels of headings as you need, no more and no fewer. Also see the ma
5231   \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5232 }
5233 \renewcommand\subparagraph{%
5234   \biditytetocError{\noexpand\subparagraph is undefined by this class.%
5235   \MessageBreak See Robert Bringhurst's _The Elements of
5236   \MessageBreak Typographic Style_, section 4.2.2.
5237   \MessageBreak \noexpand\subparagraph was used}
5238   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5239   \MessageBreak many levels of headings as you need, no more and no fewer. Also see the ma
5240   \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5241 }
5242 % Formatting for main TOC (printed in front matter)
5243 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5244 \ifthenelse{\boolean{@biditytetoc@toc}}{%
5245   \bidi@patch@AfterPackage{bidi}{%
5246     \titlecontents{part}% FIXME
5247     [0em] % distance from left margin
5248     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5249     {\contentslabel{2em}} % before w/label (label = ``II'')
5250     {} % before w/o label
5251     {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5252     [\end{fullwidth}] % after
5253     \titlecontents{chapter}%
5254     [0em] % distance from left margin
5255     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5256     {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
5257     {\hspace*{0em}} % before w/o label
5258     {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5259     [\end{fullwidth}] % after
5260     \titlecontents{section}% FIXME
5261     [0em] % distance from left margin
5262     {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
5263     {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5264     {\hspace*{2em}} % before w/o label
5265     {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5266     [\end{fullwidth}] % after
5267     \titlecontents{subsection}% FIXME
5268     [0em] % distance from left margin
5269     {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
5270     {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5271     {\hspace*{4em}} % before w/o label
5272     {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5273     [\end{fullwidth}] % after

```



```

5274 \titlecontents{paragraph}% FIXME
5275 [0em] % distance from left margin
5276 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global fo
5277 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5278 {\hspace*{6em}} % before w/o label
5279 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5280 [\end{fullwidth}] % after
5281 }%
5282 }{}
5283 %%
5284 % Format lists of figures/tables
5285 \renewcommand\listoffigures{%
5286 \@ifundefined{chapter}%
5287 {\section*{\listfigurename}}%
5288 {\chapter*{\listfigurename}}%
5289 % \begin{fullwidth}%
5290 \@starttoc{lof}%
5291 % \end{fullwidth}%
5292 }
5293 \renewcommand\listoftables{%
5294 \@ifundefined{chapter}%
5295 {\section*{\listtablename}}%
5296 {\chapter*{\listtablename}}%
5297 % \begin{fullwidth}%
5298 \@starttoc{lot}%
5299 % \end{fullwidth}%
5300 }
5301 \newcommand{\@bidityfttoc@lof@line}[2]{%
5302 % #1 is the figure/table number and its caption text
5303 % #2 is the page number on which the figure/table appears
5304 \leftskip 0.0em
5305 \rightskip 0em
5306 \parfillskip 0em plus 1fil
5307 \parindent 0.0em
5308 \@afterindenttrue
5309 \interlinepenalty\@M
5310 \leavevmode
5311 \@tempdima 2.0em
5312 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5313 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
5314 {#1}\nobreak\qquad\nobreak#2%
5315 \par%
5316 }
5317 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
5318 \let\l@table\l@figure

```

7.24 bidityftgeneralstructure.sty

```

5319 \NeedsTeXFormat{LaTeX2e}
5320 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1

```



```

5321 bidi implementation of tufte general structure]
5322 \renewcommand\small{%
5323   \@setfontsize\small\@ixpt{12}%
5324   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5325   \abovedisplayshortskip \z@ \@plus2\p@
5326   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5327   \def\@listi{\leftmargin\leftmargini
5328             \topsep 4\p@ \@plus2\p@ \@minus2\p@
5329             \parsep 2\p@ \@plus\p@ \@minus\p@
5330             \itemsep \parsep}%
5331   \belowdisplayskip \abovedisplayskip
5332 }
5333 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5334 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5335 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5336 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
5337 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5338 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5339 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5340 \setlength\leftmargini {1pc}
5341 \setlength\leftmarginii {1pc}
5342 \setlength\leftmarginiii {1pc}
5343 \setlength\leftmarginiv {1pc}
5344 \setlength\leftmarginv {1pc}
5345 \setlength\leftmarginvi {1pc}
5346 \setlength\labelsep {0.5pc}
5347 \setlength\labelwidth {\leftmargini}
5348 \addtolength\labelwidth{-\labelsep}
5349 \setlength{\parindent}{1.0pc}%
5350 \setlength{\parskip}{0pt}%
5351 \RequirePackage{ragged2e}
5352 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5353 % Paragraph indentation and separation for normal text
5354 \newcommand{\@bidiuftgeneralstructure@reset@par}{%
5355   \setlength{\RaggedRightParindent}{1.0pc}%
5356   \setlength{\JustifyingParindent}{1.0pc}%
5357   \setlength{\parindent}{1pc}%
5358   \setlength{\parskip}{0pt}%
5359 }
5360 \@bidiuftgeneralstructure@reset@par
5361 % Require paralist package for tighter lists
5362 \RequirePackage{paralist}
5363 % Add rightmargin to compactenum
5364 \def\@compactenum{%
5365   \expandafter\list\csname label\@enumctr\endcsname{%
5366     \usecounter{\@enumctr}%
5367     \rightmargin=2em% added this
5368     \parsep\plparsep
5369     \itemsep\plitemsep
5370     \topsep\pltopsep

```



```

5371 \partopsep\plpartopsep
5372 \def\makelabel##1{\hss\llap{##1}}
5373 %%
5374 % An environment for paragraph-style section
5375 \providecommand\newthought[1]{%
5376 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5377 \noindent\textbf{#1}%
5378 }
5379 %%
5380 % Redefine the display environments (quote, quotation, etc.)
5381 \renewenvironment{verse}
5382 {\let\\\@centercr
5383 \list{}{\itemsep \z@
5384 \itemindent -1pc%
5385 \listparindent\itemindent
5386 \rightmargin \leftmargin
5387 \advance\leftmargin 1pc}%
5388 \small%
5389 \item\relax}
5390 {\endlist}
5391 \renewenvironment{quotation}
5392 {\list{}{\listparindent 1pc%
5393 \itemindent \listparindent
5394 \rightmargin \leftmargin
5395 \parsep \z@ \@plus\p@}%
5396 \small%
5397 \item\relax\noindent\ignorespaces}
5398 {\endlist}
5399 \renewenvironment{quote}
5400 {\list{}{\rightmargin\leftmargin}%
5401 \small%
5402 \item\relax}
5403 {\endlist}
5404 % Italicize description run-in headings (instead of the default bold)
5405 \renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
5406 %%
5407 % Redefine \bibsection to not mark the running heads.
5408 % (Code modified from natbib.sty.)
5409 \ifundefined{chapter}%
5410 {\renewcommand\bibsection{\section*{\refname}}}
5411 {\@ifundefined{NAT@sectionbib}%
5412 {\renewcommand\bibsection{\chapter{\bibname}}}
5413 {\renewcommand\bibsection{\section*{\bibname}}}}
5414 \RequirePackage{multicol}
5415 \renewenvironment{theindex}{%
5416 \@ifundefined{chapter}%
5417 {\section*{\indexname}}%
5418 {\chapter{\indexname}}%
5419 \begin{fullwidth}%
5420 \small%

```



```

5421 \parskip0pt%
5422 \parindent0pt%
5423 \let\item\@idxitem%
5424 \begin{multicols}{3}%
5425 }{%
5426 \end{multicols}%
5427 \end{fullwidth}%
5428 }
5429 \AtBeginDocument{%
5430 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5431 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5432 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5433 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5434 \newcommand\lettergroup[1]{}% swallow the letter heading in the index

```

7.25 bidentuftehyperref.sty

```

5435 \NeedsTeXFormat{LaTeX2e}
5436 \ProvidesPackage{bidentuftehyperref}[2011/06/18 v0.1
5437 bidi implementation of tufte hyperref]
5438 %%
5439 % Color
5440 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5441 \newboolean{@bidentuftehyperref@loadhyper}
5442 \setboolean{@bidentuftehyperref@loadhyper}{true}
5443 \DeclareOption{hyper}{\setboolean{@bidentuftehyperref@loadhyper}{true}}
5444 \DeclareOption{nohyper}{\setboolean{@bidentuftehyperref@loadhyper}{false}}
5445 \ProcessOptions
5446 %% Loads the hyperref package and sets some default options.
5447 \newcommand{\bidentuftehyperrefLoadHyperref}{%
5448 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5449 \hypersetup{%
5450     bookmarksdepth = section,
5451     citecolor = DarkGreen,
5452     linkcolor = DarkBlue,
5453 %     pagecolor = DarkBlue,
5454     urlcolor = DarkGreen,
5455 }%
5456 }
5457 \ifthenelse{\boolean{@bidentuftehyperref@loadhyper}}{%
5458 \bidentuftehyperrefLoadHyperref%
5459 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5460 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5461 }

```

7.26 bidentuftetitle.sty

```

5462 \NeedsTeXFormat{LaTeX2e}
5463 \ProvidesPackage{bidentuftetitle}[2011/06/18 v0.1
5464 bidi implementation of tufte title]
5465 \RequirePackage{bidentools}

```



```

5466 %%
5467 % `titlepage' option -- creates a full title page with \maketitle
5468 \newboolean{@bidityttitle@titlepage}
5469 \DeclareOption{titlepage}{\setboolean{@bidityttitle@titlepage}{true}}
5470 \DeclareOption{notitlepage}{\setboolean{@bidityttitle@titlepage}{false}}
5471 % Default `book' and `handout' options
5472 \ifclassloaded{book}{%
5473 \ExecuteOptions{titlepage}}{%
5474 \ifclassloaded{article}{%
5475 \ExecuteOptions{notitlepage}}%
5476 {}}
5477 \ProcessOptions
5478 %%
5479 % Modified \title, \author, and \date commands. These store the
5480 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
5481 \newcommand{\plaintitle}{}% plain-text-only title
5482 \newcommand{\plainauthor}{}% plain-text-only author
5483 \newcommand{\plainpublisher}{}% plain-text-only publisher
5484 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5485 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5486 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5487 \newcommand{\@publisher}{}% full publisher with \thanks{}
5488 \newcommand{\thedata}{\today}
5489 \bidi@patch@AfterPackage{bidi}{%
5490 \renewcommand{\thanks}[1]{\footnote{#1}}
5491 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5492 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5493 }
5494 \renewcommand{\title}[2][{}]{%
5495 \gdef\@title{#2}%
5496 \begingroup%
5497 % TODO store contents of \thanks command
5498 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5499 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5500 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5501 \protected@xdef\thanklesstitle{#2}%
5502 \endgroup%
5503 \ifthenelse{\isempty{#1}}{%
5504 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5505 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5506 \@ifundefined{hypersetup}%
5507 {}% hyperref is not loaded; do nothing
5508 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5509 }
5510 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5511 \renewcommand{\author}[2][{}]{%
5512 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
5513 \begingroup%
5514 % TODO store contents of \thanks command
5515 \renewcommand{\thanks}[1]{}% swallow \thanks contents

```



```

5516 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5517 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5518 \protected@xdef\thanklessauthor{#2}%
5519 \endgroup%
5520 \ifthenelse{\isempty{#1}}%
5521 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5522 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5523 \@ifundefined{hypersetup}%
5524 {}% hyperref is not loaded; do nothing
5525 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5526 }
5527 \renewcommand{\date}[1]{}%
5528 \gdef\@date{#1}%
5529 \begingroup%
5530 % TODO store contents of \thanks command
5531 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5532 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5533 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5534 \protected@xdef\thedata{#1}%
5535 \endgroup%
5536 }
5537 %%
5538 % Provides a \publisher command to set the publisher
5539 \newcommand{\publisher}[2][]{%
5540 \gdef\@publisher{#2}%
5541 \begingroup%
5542 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5543 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5544 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5545 \protected@xdef\thanklesspublisher{#2}%
5546 \endgroup%
5547 \ifthenelse{\isempty{#1}}%
5548 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5549 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5550 }
5551 %%
5552 % Produces a full title page
5553 \newcommand{\maketitlepage}[0]{}%
5554 \cleardoublepage%
5555 {%
5556 \bfseries%
5557 \begin{fullwidth}%
5558 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5559 \vspace{11.5pc}%
5560 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5561 \vfill%
5562 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5563 \end{fullwidth}%
5564 }
5565 \thispagestyle{empty}%

```



```

5566 \clearpage%
5567 }
5568 %%
5569 % Title block
5570 \bidi@AfterEndPreamble{%
5571 \renewcommand{\maketitle}{%
5572 \newpage%
5573 \global\@topnum\z@% prevent floats from being placed at the top of the page
5574 \begingroup%
5575 \setlength{\parindent}{0pt}%
5576 \setlength{\parskip}{4pt}%
5577 \let\@title\@empty%
5578 \let\@author\@empty%
5579 \let\@date\@empty%
5580 \gdef\@title{\LARGE\itshape\@title\par}%
5581 \gdef\@author{\Large\itshape\@author\par}%
5582 \gdef\@date{\Large\itshape\@date\par}%
5583 \@title%
5584 \@author%
5585 \@date%
5586 \endgroup%
5587 \thispagestyle{plain}% suppress the running head
5588 }%
5589 }
5590 %%
5591 % Title page (if the `titlepage' option was passed to the bidentitetitle-handout
5592 % class.)
5593 \bidi@AfterEndPreamble{%
5594 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
5595 {\renewcommand{\maketitle}{\maketitlepage}}
5596 {}
5597 }
5598 %%
5599 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5600 % without headers and footers
5601 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5602 \hbox{}
5603 %\vspace*{\fill}
5604 %\begin{center}
5605 % This page intentionally contains only this sentence.
5606 %\end{center}
5607 %\vspace{\fill}
5608 \thispagestyle{empty}
5609 \newpage
5610 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

7.27 bidentifte-handout.cls

```

5611 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5612 \ProvidesClass{bidentifte-handout}[2011/06/18 v0.1 bidentifte-handout class]

```



```

5613 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5614 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiutftefloat}}
5615 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftetoc}}
5616 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftehyperref}}
5617 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftetitle}}
5618 \ProcessOptions\relax
5619 \LoadClass{article}
5620 \RequirePackage{bidiutftefloat}
5621 \RequirePackage{bidiuftesidenote}
5622 \RequirePackage{bidiuftetoc}
5623 \RequirePackage{bidiuftegeneralstructure}
5624 \RequirePackage{bidiuftehyperref}
5625 \RequirePackage{bidiuftetitle}
5626 \renewenvironment{abstract}
5627   {\begin{quotation}}
5628   {\end{quotation}}
5629 \AtBeginDocument{%
5630 \IfFileExists{bidiufte-handout.cfg}
5631   {\input{bidiufte-handout.cfg}
5632    \ClassInfo{bidiufte-handout}{Loading bidiufte-handout configuration file \@gobble}}
5633   {}%
5634 }

```

7.28 bidiufte-book.cls

```

5635 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5636 \ProvidesClass{bidiufte-book}[2011/06/18 v0.1 bidiufte-book class]
5637 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5638 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiutftefloat}}
5639 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftetoc}}
5640 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftehyperref}}
5641 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftetitle}}
5642 \ProcessOptions\relax
5643 \LoadClass{book}
5644 \RequirePackage{bidiutftefloat}
5645 \RequirePackage{bidiuftesidenote}
5646 \RequirePackage{bidiuftetoc}
5647 \RequirePackage{bidiuftegeneralstructure}
5648 \RequirePackage{bidiuftehyperref}
5649 \RequirePackage{bidiuftetitle}
5650 %%
5651 % Set up any book-specific stuff now
5652 %%
5653 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5654 % to the opening page of Chapter 1. The running heads, when they appear,
5655 % contain only the (arabic) page number in the outside corner.
5656 %\newif\if@mainmatter \@mainmattertrue
5657 \renewcommand\frontmatter{%
5658   \cleardoublepage%
5659   \@mainmatterfalse%

```



```

5660 \pagenumbering{arabic}%
5661 %\pagestyle{plain}%
5662 \fancyhf{}%
5663 \ifthenelse{\boolean{@biditytfloat@twoside}}%
5664 {\fancyhead[LE,RO]{\thepage}}%
5665 {\fancyhead[RE,RO]{\thepage}}%
5666 }
5667 %%
5668 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5669 % numbering---it continues where it left off in the front matter.
5670 \renewcommand\mainmatter{%
5671 \cleardoublepage%
5672 \@mainmattertrue%
5673 \fancyhf{}%
5674 \ifthenelse{\boolean{@biditytfloat@twoside}}%
5675 {\renewcommand\chaptermark}[1]{\markboth{##1}{}}%
5676 \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5677 \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5678 {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5679 }
5680 %%
5681 % The back matter contains appendices, indices, glossaries, endnotes,
5682 % bibliographies, list of contributors, illustration credits, etc.
5683 \renewcommand\backmatter{%
5684 \if@openright%
5685 \cleardoublepage%
5686 \else%
5687 \clearpage%
5688 \fi%
5689 \@mainmatterfalse%
5690 }
5691 %%
5692 % Only show the chapter titles in the table of contents
5693 \setcounter{tocdepth}{0}
5694 \AtBeginDocument{%
5695 \IfFileExists{biditytfe-book.cfg}
5696 {\input{biditytfe-book.cfg}}
5697 \ClassInfo{biditytfe-book}{Loading biditytfe-book configuration file \@gobble}
5698 {}%
5699 }

```

7.29 bidipoem.sty

```

5700 \NeedsTeXFormat{LaTeX2e}
5701 \ProvidesPackage{bidipoem}%
5702 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5703
5704 % Usage:
5705 %
5706 % \Setversedim #1#2 % define the layout (within a group):

```



```

5707 % #1 = length of both half-verses
5708 % #2 = separation distance = length of a connection, if present
5709 % Variant:
5710 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5711 % #1 = length of first (=right) half-verse
5712 % #2 = length of second (=left) half-verse
5713 % #3 = separation distance = length of a connection, if present
5714 %
5715 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5716 % #1 = text of first (=right) half-verse
5717 % #2 = text of second (=left) half-verse
5718 % Variant:
5719 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5720 % #1 = text of first (=right) half-verse
5721 % #2 = text of connection
5722 % #3 = text of second (=left) half-verse
5723 %
5724 % Alternative (if preferred):
5725 %
5726 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5727
5728
5729 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5730
5731 % define the layout, verses will be centered
5732
5733 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5734 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
5735
5736 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5737 \bidipoem@hvind \textwidth
5738 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5739 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []\else
5740 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem
5741
5742 \def \bidipoem@set@verseI [#1]{% optional parameter
5743 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5744
5745 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5746 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
5747 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5748
5749 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5750 \ifdim Opt > \bidipoem@hvind %
5751 \bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
5752 \else
5753 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5754 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5755 \bidipoem@spreadbox \bidipoem@hvlen {#3}% second block
5756 \par }

```



```

5757
5758 % macro for two half verses
5759 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5760 \ifx [#2\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
5761 \else\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5762 \bidipoem@half@verses@next}
5763
5764 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5765 \traditionalconnverses {#1}{#2}{#3}}
5766
5767
5768 {\catcode\^^M=\active % these lines must end with %
5769 \gdef\traditionalpoem@obeylines{\catcode\^^M=\active \let^^M\traditionalpoem@par}%
5770 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
5771 {\catcode\^^M=\active % these lines must end with %
5772 \gdef\modernpoem@obeylines{\catcode\^^M=\active \let^^M\modernpoem@par}%
5773 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
5774 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5775 \def\poemmarginskip{1em plus 1fil minus 1em}
5776 \def\poemextrabaselineskip{0\baselineskip}
5777 \def\poemskip{\medskip}
5778 \newcommand{\bidipoem@openbox}{\leavevmode
5779 \hbox to.77778em{%
5780 \hfil\vrule
5781 \vbox to.675em{\hrule width.6em\vfil\hrule}%
5782 \vrule\hfil}}
5783 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5784 \newdimen\versewidth
5785 \newtoks\bidipoem@p@ftn
5786 \def\poem@verse#1{%
5787 \ifdim\wd#1>\new@poem@width
5788 \xdef\new@poem@width{\the\wd#1}%
5789 \ifdim\new@poem@width>\poem@width
5790 \xdef\poem@width{\new@poem@width}%
5791 \global\let\poem@needrun\relax
5792 \fi
5793 \fi
5794 \hbox to\poem@width{\unhbox#1}%
5795 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5796 }
5797 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmarginskip\relax}
5798 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
5799 \def\poem@lineversesep{%
5800 \nobreak
5801 \hskip\z@ plus 1filll%
5802 \penalty600%
5803 \hskip\poemcolsepskip
5804 \hskip\z@ plus -2filll%
5805 \vadjust{}}%
5806 \nobreak

```



```

5807 \hskip\z@ plus 1filll%
5808 }
5809 \def\poem@lineparsebegin{%
5810 \halign\bgroup
5811 \global\setbox\verse@i=\hbox{%
5812 \let\@footnotetext\bidipoem@p@fnttext%
5813 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5814 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5815 \let\@xfootnotenext\bidipoem@p@xftntext%
5816 \let\@xfootnote\bidipoem@p@xfootnote%
5817 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5818 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5819 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5820 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5821 \ignorespaces##\unskip}&&
5822 \global\setbox\verse@ii=\hbox{%
5823 \let\@footnotetext\bidipoem@p@fnttext%
5824 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5825 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5826 \let\@xfootnotenext\bidipoem@p@xftntext%
5827 \let\@xfootnote\bidipoem@p@xfootnote%
5828 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5829 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5830 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5831 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5832 \ignorespaces##\unskip}
5833 \cr
5834 }
5835 \def\poem@lineparseend{%
5836 \crcr\egroup
5837 \vskip-\baselineskip
5838 }
5839 \def\traditionalpoem@cr{%
5840 \cr\poem@line
5841 }
5842 \newbox\verse@i
5843 \newbox\verse@ii
5844 \newif\ifpoem@started
5845
5846 \def\poem@line{%
5847 \poem@lineparseend
5848 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5849 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5850 \ifpoem@started
5851 \ifdim\wd\verse@ii>\z@\else
5852 \nopagebreak[3]
5853 \fi
5854 \leavevmode
5855 \poem@linebegin
5856 \poem@verse\verse@i

```



```

5857 \ifdim\wd\verse@ii>\z@
5858 \poem@lineversesep
5859 \poem@verse\verse@ii
5860 \fi
5861 \poem@lineend
5862 % \nopagebreak
5863 \par
5864 \vskip\poemextrabaseskip
5865 \fi
5866 \poem@lineparsebegin
5867 }
5868 \def\@traditionalpoem{%
5869 \stepcounter{poem@no}
5870 \ifnum\max@poem@no<\number\c@poem@no%
5871 \xdef\poem@width{\z@}%
5872 \else
5873 \xdef\poem@width{\poem@prop{poem@width}}%
5874 \fi
5875 \xdef\new@poem@width{\z@}%
5876 \global\versewidth=\poem@width

5877 \poemskip\par
5878 \begingroup
5879 \tabskip=\z@
5880 \parskip=\z@
5881 \parindent=\z@
5882 \parfillskip=\z@
5883 \rightskip=\z@
5884 \leftskip=\z@
5885 \widowpenalty=10000% No break between verses of the same line.
5886 \clubpenalty=10000% Same as above. Not really needed.
5887 \def\newblock{\hfil\poemblocksep\hfil\null}%
5888 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5889 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
5890 \global\poem@startedfalse
5891 \csname poem@obeylines\endcsname
5892 \let\poem@obeylines\relax
5893 \poem@lineparsebegin
5894 }
5895 \def\@endtraditionalpoem{%
5896 \cr
5897 \ifdim\wd\verse@ii>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5898 \noalign{%
5899 \skip0=\poemextrabaseskip
5900 \vskip-\skip0
5901 \vskip-\baselineskip
5902 }%
5903 \fi\fi
5904 \poem@lineparseend
5905 \endgroup

```



```

5906 \par
5907 \vskip\baselineskip
5908 \poemskip
5909 \if@nparlist \else
5910   \ifdim\lastskip >\z@
5911     \@tempskipa\lastskip \vskip -\lastskip
5912     \advance\@tempskipa\parskip \advance\@tempskipa -\outerparskip
5913     \vskip\@tempskipa
5914   \fi
5915 \endparenv
5916 \fi
5917 \ifdim\new@poem@width<\poem@width
5918 \global\let\poem@needrun\relax
5919 \fi
5920   \poem@write@aux{\poem@width\romannumeral\c@poem@no}{\new@poem@width}%
5921 \ifx\AtEndDocument\undefined\poem@finish\fi
5922 }
5923
5924
5925 \long\def\bidipoem@p@ftntext#1{%
5926   \edef\@temp{x\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
5927   \global\bidipoem@p@ftn\expandafter{\@temp{x#1}}}%
5928 \long\def\bidipoem@p@LTRftntext#1{%
5929   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
5930   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5931 \long\def\bidipoem@p@RTLftntext#1{%
5932   \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
5933   \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
5934
5935 \long\def\bidipoem@p@xftntext[#1]#2{%
5936   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
5937
5938 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5939   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
5940
5941 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
5942   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
5943
5944 \def\bidipoem@p@xfootnote[#1]{%
5945   \begingroup
5946     \csname c@\@mpfn\endcsname #1\relax
5947     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5948   \endgroup
5949   \@footnotemark\bidipoem@p@xftntext[#1]}
5950
5951 \def\bidipoem@p@xLTRfootnote[#1]{%
5952   \begingroup
5953     \csname c@\@mpfn\endcsname #1\relax
5954     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5955   \endgroup

```



```

5956 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
5957
5958 \def\bidipoem@p@xRTLfootnote[#1]{%
5959 \begingroup
5960 \csname c@\@mpfn\endcsname #1\relax
5961 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5962 \endgroup
5963 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
5964
5965
5966
5967 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
5968 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyl
5969 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
5970 \def\poem@finish{%
5971 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
5972 \ifx\poem@needrun\relax
5973 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
5974 \global\let\poem@needrun\undefined
5975 \fi
5976 }
5977 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
5978 \newcounter{poem@no}\setcounter{poem@no}{\z@}
5979 \ifx\max@poem@no\undefined
5980 \def\max@poem@no{0}%
5981 \fi
5982 \newcommand{\poem@prop}[1]{\@nameuse{#1\romannumeral\c@poem@no}}
5983 \newcommand{\poem@write@aux}[2]{%
5984 \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
5985 \@x
5986 }
5987 \def\@modernpoem{%
5988 \par
5989 \begingroup
5990 \parskip=\z@
5991 \parindent=\z@
5992 \def\[{ \@settab\@tabplus\ignorespaces}%
5993 \def\]{ \@tabminus\ignorespaces}%
5994 \def\newblock{\poemblocksep}%
5995 \let\newpoem@tabcr\@tabcr
5996 \def\modernpoem@par{% Redefine \par for possible \obeylines
5997 \ifpoem@started\else
5998 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5999 \@stopfield
6000 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6001 \@contfield
6002 \fi
6003 \fi
6004 \ifpoem@started\newpoem@tabcr\fi}%
6005 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%

```



```

6006 \global\poem@startedfalse
6007 \csname poem@obeylines\endcsname
6008 \let\poem@obeylines\relax
6009 \begin{tabbing}%
6010 }
6011 \def\@endmodernpoem{%
6012 \global\poem@startedfalse
6013 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6014 \stopfield
6015 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6016 \contfield
6017 \fi
6018 \ifpoem@started\else\let\stopline\stopfield\fi
6019 \end{tabbing}%
6020 \endgroup
6021 \par
6022 \if@nparlist \else
6023 \ifdim\lastskip >\z@
6024 \tempkipa\lastskip \vskip -\lastskip
6025 \advance\tempkipa\parskip \advance\tempkipa -\outerparskip
6026 \vskip\tempkipa
6027 \fi
6028 \endparenv
6029 \fi
6030 }
6031 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
6032 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem@obeylines}
6033 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6034 \gdef\@startfield{%
6035 \global\setbox\@curfield\hbox\bgroup%
6036 \let\@footnotetext\bidipoem@p@ftntext%
6037 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6038 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6039 \let\@xfootnotenext\bidipoem@p@xftntext%
6040 \let\@xfootnote\bidipoem@p@xfootnote%
6041 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6042 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6043 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6044 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6045 \color@begingroup}
6046 \gdef\@stopfield{%
6047 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
6048 \gdef\@contfield{%
6049 \global\setbox\@curfield\hbox\bgroup%
6050 \let\@footnotetext\bidipoem@p@ftntext%
6051 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6052 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6053 \let\@xfootnotenext\bidipoem@p@xftntext%
6054 \let\@xfootnote\bidipoem@p@xfootnote%
6055 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%

```



```

6056 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6057 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6058 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6059 \color@begingroup\unhbox\@curfield}

```

7.30 boek3-xetex-bidi.def

```

6060 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
6061 \renewenvironment{theindex}{%
6062   \if@twocolumn
6063     \@restonecolfalse
6064   \else
6065     \@restonecoltrue
6066   \fi
6067   \columnseprule \z@
6068   \columnsep 35\p@
6069   \twocolumn[\@makeschapterhead{\indexname}]%
6070   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6071   \thispagestyle{plain}\parindent\z@
6072   \parskip\z@ \@plus .3\p@\relax
6073   \let\item\@idxitem
6074 }{%
6075   \if@restonecol\onecolumn\else\clearpage\fi}
6076 \renewcommand*{\head@style}{%
6077   \interlinepenalty \@M
6078   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6079   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6080 \renewcommand*{\regtocline}[3]{%
6081   \ifnum #1>\c@tocdepth
6082   \else
6083     \vskip\z@\@plus.2\p@
6084     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6085     \if@RTL\rightskip\else\leftskip\fi\unitindent
6086     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6087     \parfillskip\z@
6088     \@tempdima\unitindent
6089     \parindent\z@
6090     \leavevmode
6091     \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6092     \hskip 1em \nobreak{\slshape #3}\par
6093     }%
6094   \fi}
6095 \if@oldtoc
6096 \renewcommand*{\l@part}[2]{%
6097   \ifnum \c@tocdepth >-2\relax
6098     \addpenalty{-\@highpenalty}%
6099     \addvspace{2.25em \@plus\p@}%
6100     \begingroup
6101       \setlength\@tempdima{3em}%
6102       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

6103 \parfillskip -\@pnumwidth
6104 {\leavevmode
6105 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6106 \nobreak
6107 \global\@nobreaktrue
6108 \everypar{\global\@nobreakfalse\everypar{}}%
6109 \endgroup
6110 \fi}
6111 \else
6112 \renewcommand*\l@part{%
6113 \ifnum \c@tocdepth >-2\relax
6114 \addpenalty{-\@highpenalty}%
6115 \addvspace{2.25em \@plus \p@}%
6116 \@regtocline{0}%
6117 \fi}
6118 \fi
6119 \if@oldtoc
6120 \renewcommand*\l@chapter[2]{%
6121 \addpenalty{-\@highpenalty}%
6122 \vskip 1.0em \@plus \p@
6123 \setlength\@tempdima{1.5em}%
6124 \begingroup
6125 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6126 \parfillskip -\@pnumwidth
6127 \leavevmode \bfseries
6128 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6129 \hskip -\if@RTL\rightskip\else\leftskip\fi
6130 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6131 \penalty\@highpenalty
6132 \endgroup}
6133 \else
6134 \renewcommand*\l@chapter{\@regtocline{0}}
6135 \fi
6136 \renewenvironment{abstract}{%
6137 \titlepage
6138 \null\vfil
6139 \section*{\SectFont \abstractname}
6140 \noindent\ignorespaces}
6141 {\par\vfil\null\endtitlepage}
6142 \renewenvironment{thebibliography}[1]
6143 {\chapter*{\bibname}%
6144 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6145 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6146 \bidi@thebibliography@font@hook%
6147 \list{\@biblabel{\@arabic\c@enumiv}}%
6148 {\settowidth\labelwidth{\@biblabel{#1}}%
6149 \leftmargin\labelwidth
6150 \advance\leftmargin\labelsep
6151 \@openbib@code
6152 \usecounter{enumiv}%

```



```

6153         \let\p@enumiv\@empty
6154         \renewcommand*\theenumiv{\@arabic\c@enumiv}}}%
6155         \sloppy\clubpenalty4000\widowpenalty4000%
6156         \sfcode`\.\@m}
6157     {\def\@noitemerr
6158      {\@latex@warning{Empty `thebibliography' environment}}}%
6159     \endlist}
6160 \renewcommand*\left@footnoterule{%
6161   \kern-3\p@
6162   \kern.5\baselineskip
6163   \hrule\@width\unitindent
6164   \kern.4\baselineskip
6165 }
6166 \renewcommand*\right@footnoterule{%
6167   \kern-3\p@
6168   \kern.5\baselineskip
6169   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6170   \kern.4\baselineskip}
6171 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6172 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6173 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6174 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6175 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6176 \renewcommand*\theequation{%
6177   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6178 \renewcommand*\thefigure{%
6179   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6180 \renewcommand*\thetable{%
6181   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6182 \renewcommand*\maketitle{%
6183   \begin{titlepage}%
6184     \let\footnotesize\small
6185     \let\right@footnoterule\relax
6186     \let\left@footnoterule\relax
6187     \let\textwidth\footnoterule\relax
6188     \let \footnote \thanks
6189     \long\def\@makefnmark##1{\parindent\z@
6190       \def\labelitemi{\textendash}\@revlabeltrue
6191       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6192     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6193     \if@compatibility\setcounter{page}{0}\fi
6194     \null\vfil
6195     \vskip 60\p@
6196     \begin{center}%
6197       \TitleFont
6198       {\LARGE \def\{\{\penalty -\@M}
6199       \if@allcaps
6200         \expandafter\uc@nothanks\@title\thanks\relax
6201       \else
6202         \@title

```



```

6203     \fi\par}%
6204     \vskip 3em%
6205     {\large
6206       \lineskip .75em \parindent\z@
6207       \begin{tabular}[t]{c}%
6208         \if@allcaps
6209           \expandafter\uc@authornothanks\@author\and\relax
6210         \else
6211           \@author
6212         \fi
6213       \end{tabular}\par}%
6214     \vskip 1.5em%
6215     {\large
6216       \if@allcaps
6217         \uppercase\expandafter{\@date}%
6218       \else
6219         \@date
6220       \fi\par}%
6221     \end{center}\par
6222     \@thanks
6223     \vfil\null
6224 \end{titlepage}%
6225 \setcounter{footnote}{0}%
6226 \global\let\thanks\relax
6227 \global\let\maketitle\relax
6228 \global\let\@thanks\@empty
6229 \global\let\@author\@empty
6230 \global\let\@title\@empty
6231 \global\let\@date\@empty
6232 \global\let\title\relax
6233 \global\let\author\relax
6234 \global\let\date\relax
6235 \global\let\and\relax
6236 }

```

7.31 boek-xetex-bidi.def

```

6237 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
6238 \renewenvironment{theindex}{%
6239   \if@twocolumn
6240     \@restonecolfalse
6241   \else
6242     \@restonecoltrue
6243   \fi
6244   \columnseprule \z@
6245   \columnsep 35\p@
6246   \twocolumn[\@makeschapterhead{\indexname}]%
6247   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6248   \thispagestyle{plain}\parindent\z@
6249   \parskip\z@ \@plus .3\p@\relax

```



```

6250 \let\item\@idxitem
6251 }{%
6252 \if@restonecol\onecolumn\else\clearpage\fi}
6253 \renewcommand*\head@style{%
6254   \interlinepenalty \@M
6255   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6256   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6257 \renewcommand*\@regtocline[3]{%
6258   \ifnum #1>\c@tocdepth
6259   \else
6260     \vskip\z@ \@plus.2\p@
6261     {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
6262     \if@RTL\rightskip\else\leftskip\fi\unitindent
6263     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6264     \parfillskip\z@
6265     \@tempdima\unitindent
6266     \parindent\z@
6267     \leavevmode
6268     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6269     \hskip 1em \nobreak{\slshape #3}\par
6270     }%
6271   \fi}
6272 \if@oldtoc
6273 \renewcommand*\l@part[2]{%
6274   \ifnum \c@tocdepth >-2\relax
6275     \addpenalty{-\@highpenalty}%
6276     \addvspace{2.25em \@plus\p@}%
6277     \begingroup
6278       \setlength\@tempdima{3em}%
6279       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6280       \parfillskip -\@pnumwidth
6281       {\leavevmode
6282         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6283         \nobreak
6284         \global\@nobreaktrue
6285         \everypar{\global\@nobreakfalse\everypar{}}}%
6286     \endgroup
6287   \fi}
6288 \else
6289 \renewcommand*\l@part{%
6290   \ifnum \c@tocdepth >-2\relax
6291     \addpenalty{-\@highpenalty}%
6292     \addvspace{2.25em \@plus \p@}%
6293     \@regtocline{0}%
6294   \fi}
6295 \fi
6296 \if@oldtoc
6297 \renewcommand*\l@chapter[2]{%
6298   \addpenalty{-\@highpenalty}%
6299   \vskip 1.0em \@plus\p@

```



```

6300 \setlength\@tempdima{1.5em}%
6301 \begingroup
6302 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6303 \parfillskip -\@pnumwidth
6304 \leavevmode \bfseries
6305 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6306 \hskip -\if@RTL\rightskip\else\leftskip\fi
6307 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6308 \penalty\@highpenalty
6309 \endgroup}
6310 \else
6311 \renewcommand*\l@chapter{\@regtocline{0}}
6312 \fi
6313 \renewcommand*\left@footnoterule{%
6314 \kern-3\p@
6315 \kern.5\baselineskip
6316 \hrule\@width\unitindent
6317 \kern.4\baselineskip
6318 }
6319 \renewcommand*\right@footnoterule{%
6320 \kern-3\p@
6321 \kern.5\baselineskip
6322 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6323 \kern.4\baselineskip}
6324 \renewenvironment{abstract}{%
6325 \titlepage
6326 \null\vfil
6327 \section*{\SectFont \abstractname}
6328 \noindent\ignorespaces}
6329 {\par\vfil\null\endtitlepage}
6330 \renewenvironment{thebibliography}[1]
6331 {\chapter*{\bibname}%
6332 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6333 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6334 \bidi@@thebibliography@font@hook%
6335 \list{\@biblabel{\@arabic\c@enumiv}}%
6336 {\settowidth\labelwidth{\@biblabel{#1}}%
6337 \leftmargin\labelwidth
6338 \advance\leftmargin\labelsep
6339 \@openbib@code
6340 \usecounter{enumiv}%
6341 \let\p@enumiv\@empty
6342 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6343 \sloppy\clubpenalty4000\widowpenalty4000%
6344 \sfcode`.\@m}
6345 {\def\@noitemerr
6346 {\@latex@warning{Empty `thebibliography' environment}}%
6347 \endlist}
6348 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6349 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}

```



```

6350 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6351 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6352 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6353 \renewcommand*\theequation{%
6354   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6355 \renewcommand*\thefigure{%
6356   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6357 \renewcommand*\thetable{%
6358   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6359 \renewcommand*\maketitle{%
6360   \begin{titlepage}%
6361     \let\footnotesize\small
6362     \let\right@footnoterule\relax
6363     \let\left@footnoterule\relax
6364     \let\textwidth\footnoterule\relax
6365     \let \footnote \thanks
6366     \long\def\@makefnmark##1{\parindent\z@
6367       \def\labelitemi{\textendash}\@revlabeltrue
6368       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6369     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6370     \if@compatibility\setcounter{page}{0}\fi
6371     \null\vfil
6372     \vskip 60\p@
6373     \begin{center}%
6374       \TitleFont
6375       {\LARGE \def\\{\penalty -\@M}
6376         \if@allcaps
6377           \expandafter\uc@nothanks\@title\thanks\relax
6378         \else
6379           \@title
6380         \fi\par}%
6381     \vskip 3em%
6382     {\large
6383       \lineskip .75em \parindent\z@
6384       \begin{tabular}[t]{c}%
6385         \if@allcaps
6386           \expandafter\uc@author\@author\and\relax
6387         \else
6388           \@author
6389         \fi
6390       \end{tabular}\par}%
6391     \vskip 1.5em%
6392     {\large
6393       \if@allcaps
6394         \uppercase\expandafter{\@date}%
6395       \else
6396         \@date
6397       \fi\par}%
6398     \end{center}\par
6399     \@thanks

```



```

6400 \vfil\null
6401 \end{titlepage}%
6402 \setcounter{footnote}{0}%
6403 \global\let\thanks\relax
6404 \global\let\maketitle\relax
6405 \global\let\@thanks\@empty
6406 \global\let\@author\@empty
6407 \global\let\@title\@empty
6408 \global\let\@date\@empty
6409 \global\let\title\relax
6410 \global\let\author\relax
6411 \global\let\date\relax
6412 \global\let\and\relax
6413 }

```

7.32 **bookest-xetex-bidi.def**

```

6414 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for ]
6415 \def\@makechapterhead#1{%
6416 \vspace*{20\p@}
6417 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6418 \ifnum \c@secnumdepth >\m@ne
6419 \if@mainmatter
6420 {\colorA\huge\scshape \@chapapp\space \thechapter}
6421 \par\nobreak
6422 \vskip 10\p@
6423 \fi
6424 \fi
6425 \interlinepenalty\@M
6426 {\colorB\hrule}
6427 \vskip 15\p@
6428 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6429 {\colorA\Huge \bfseries #1}\par\nobreak
6430 \if@RTL\end{flushleft}\else\end{flushright}\fi
6431 \vskip 5\p@
6432 {\colorB\hrule}
6433 \vskip 30\p@
6434 }}
6435 \def\@makeschapterhead#1{%
6436 \vspace*{20\p@}
6437 {\parindent \z@ \raggedright \normalfont
6438 {\colorB\hrule}
6439 \vskip 15\p@
6440 \begin{center}
6441 {\colorA\Huge \bfseries #1}\par\nobreak
6442 \end{center}
6443 \vskip 5\p@
6444 {\colorB\hrule}
6445 \vskip 30\p@
6446 }}

```



7.33 book-xetex-bidi.def

```

6447 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class f
6448 \renewenvironment{theindex}
6449     {\if@twocolumn
6450      \@restonecolfalse
6451      \else
6452      \@restonecoltrue
6453      \fi
6454      \columnseprule \z@
6455      \columnsep 35\p@
6456      \twocolumn[\@makeschapterhead{\indexname}]%
6457      \@mkboth{\MakeUppercase\indexname}%
6458              {\MakeUppercase\indexname}%
6459      \thispagestyle{plain}\parindent\z@
6460      \parskip\z@ \@plus .3\p@\relax
6461      \let\item\@idxitem}
6462     {\if@restonecol\onecolumn\else\clearpage\fi}
6463 \@ifclassloaded{bookest}{\{%
6464   \if@titlepage
6465   \renewcommand\maketitle{\begin{titlepage}%
6466     \let\footnotesize\small
6467     \let\right@footnoterule\relax
6468     \let\left@footnoterule\relax
6469     \let\textwidth\footnoterule\relax
6470     \let \footnote \thanks
6471     \let \LTRfootnote \LTRthanks
6472     \let \RTLfootnote \RTLthanks
6473     \null\vfil
6474     \vskip 60\p@
6475     \begin{center}%
6476       {\LARGE \@title \par}%
6477       \vskip 3em%
6478       {\large
6479         \lineskip .75em%
6480         \begin{tabular}[t]{c}%
6481           \@author
6482         \end{tabular}\par}%
6483       \vskip 1.5em%
6484       {\large \@date \par}%           % Set date in \large size.
6485     \end{center}\par
6486     \@thanks
6487     \vfil\null
6488   \end{titlepage}%
6489   \setcounter{footnote}{0}%
6490   \global\let\thanks\relax
6491   \global\let\LTRthanks\relax
6492   \global\let\RTLthanks\relax
6493   \global\let\maketitle\relax
6494   \global\let\@thanks\@empty

```



```

6495 \global\let\@author\@empty
6496 \global\let\@date\@empty
6497 \global\let\@title\@empty
6498 \global\let\title\relax
6499 \global\let\author\relax
6500 \global\let\date\relax
6501 \global\let\and\relax
6502 }
6503 \else
6504 \renewcommand\maketitle{\par
6505 \begingroup
6506 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6507 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6508 \long\def\@makefntext##1{\parindent 1em\noindent
6509 \hb@xt@1.8em{%
6510 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6511 \if@twocolumn
6512 \ifnum \col@number=\@ne
6513 \@maketitle
6514 \else
6515 \twocolumn[\@maketitle]%
6516 \fi
6517 \else
6518 \newpage
6519 \global\@topnum\z@ % Prevents figures from going at top of page.
6520 \@maketitle
6521 \fi
6522 \thispagestyle{plain}\@thanks
6523 \endgroup
6524 \setcounter{footnote}{0}%
6525 \global\let\thanks\relax
6526 \global\let\LRthanks\relax
6527 \global\let\RTLthanks\relax
6528 \global\let\maketitle\relax
6529 \global\let\@maketitle\relax
6530 \global\let\@thanks\@empty
6531 \global\let\@author\@empty
6532 \global\let\@date\@empty
6533 \global\let\@title\@empty
6534 \global\let\title\relax
6535 \global\let\author\relax
6536 \global\let\date\relax
6537 \global\let\and\relax
6538 }
6539 \def\@maketitle{%
6540 \newpage
6541 \null
6542 \vskip 2em%
6543 \begin{center}%
6544 \let \footnote \thanks

```



```

6545 \let \LTRfootnote \LTRthanks
6546 \let \RTLfootnote \RTLthanks
6547 {\LARGE \@title \par}%
6548 \vskip 1.5em%
6549 {\large
6550 \lineskip .5em%
6551 \begin{tabular}[t]{c}%
6552 \@author
6553 \end{tabular}\par}%
6554 \vskip 1em%
6555 {\large \@date}%
6556 \end{center}%
6557 \par
6558 \vskip 1.5em}
6559 \fi}
6560 \renewcommand*\l@part[2]{%
6561 \ifnum \c@tocdepth >-2\relax
6562 \addpenalty{-\@highpenalty}%
6563 \addvspace{2.25em \@plus\p@}%
6564 \setlength\@tempdima{3em}%
6565 \begingroup
6566 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6567 \parfillskip -\@pnumwidth
6568 {\leavevmode
6569 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6570 \nobreak
6571 \global\@nobraektrue
6572 \everypar{\global\@nobraekfalse\everypar{}}%
6573 \endgroup
6574 \fi}
6575 \renewcommand*\l@chapter[2]{%
6576 \ifnum \c@tocdepth >\m@ne
6577 \addpenalty{-\@highpenalty}%
6578 \vskip 1.0em \@plus\p@
6579 \setlength\@tempdima{1.5em}%
6580 \begingroup
6581 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6582 \parfillskip -\@pnumwidth
6583 \leavevmode \bfseries
6584 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6585 \hskip -\if@RTL\rightskip\else\leftskip\fi
6586 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6587 \penalty\@highpenalty
6588 \endgroup
6589 \fi}
6590 \renewcommand\left@footnoterule{%
6591 \kern-3\p@
6592 \hrule\@width.4\columnwidth
6593 \kern2.6\p@}
6594 \renewcommand\right@footnoterule{%

```



```

6595 \kern-3\p@
6596 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6597 \kern2.6\p@}
6598 \renewcommand\theequation
6599 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6600 \renewcommand \thefigure
6601 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6602 \renewcommand \thetable
6603 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6604 \renewcommand \thechapter {\@arabic\c@chapter}
6605 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6606 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6607 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6608 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6609 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6610 \def\@makechapterhead#1{%
6611 \vspace*{50\p@}%
6612 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6613 \ifnum \c@secnumdepth >\m@ne
6614 \if@mainmatter
6615 \huge\bfseries \@chapapp\space \thechapter
6616 \par\nobreak
6617 \vskip 20\p@
6618 \fi
6619 \fi
6620 \interlinepenalty\@M
6621 \Huge \bfseries #1\par\nobreak
6622 \vskip 40\p@
6623 }}
6624 \def\@makeschapterhead#1{%
6625 \vspace*{50\p@}%
6626 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6627 \normalfont
6628 \interlinepenalty\@M
6629 \Huge \bfseries #1\par\nobreak
6630 \vskip 40\p@
6631 }}
6632 \renewcommand\backmatter{%
6633 \if@openright
6634 \cleardoublepage
6635 \else
6636 \clearpage
6637 \fi
6638 \@mainmatterfalse}
6639 \renewenvironment{thebibliography}[1]
6640 {\chapter*{\bibname}%
6641 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6642 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6643 \bidi@thebibliography@font@hook%
6644 \list{\@biblabel{\@arabic\c@enumiv}}%

```



```

6645         {\settowidth\labelwidth{\@biblabel{#1}}%
6646         \leftmargin\labelwidth
6647         \advance\leftmargin\labelsep
6648         \@openbib@code
6649         \usecounter{enumiv}%
6650         \let\p@enumiv\@empty
6651         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6652     \sloppy
6653     \clubpenalty4000
6654     \@clubpenalty \clubpenalty
6655     \widowpenalty4000%
6656     \sfcode`.\@m}
6657 {\def\@noitemerr
6658   {\@latex@warning{Empty `thebibliography' environment}}}%
6659   \endlist}

```

7.34 breqn-xetex-bidi.def

```

6660 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for Xe
6661 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6662   \everydisplay\expandafter{\the\everydisplay \display@setup}%
6663   \if@noskipsec \leavevmode \fi
6664   \if@inlabel \leavevmode \global\@inlabelfalse \fi
6665   \if\eq@group\else\eq@prelim\fi
6666   \setkeys{breqn}{#1}%
6667   \the\eqstyle
6668   \eq@setnumber
6669   \begingroup
6670   \eq@setup@a
6671   \eq@startup
6672 }
6673 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
6674   \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6675   \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6676   \global\let\GRP@label\@empty
6677   \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6678   \global\grp@linewidth\z@\global\grp@wdNum\z@
6679   \global\let\grp@eqs@numbered\@False
6680   \global\let\grp@aligned\@True
6681   \global\let\grp@shiftnumber\@False
6682   \eq@prelim
6683   \setkeys{breqn}{#1}%
6684   \if\grp@hasNumber \grp@setnumber \fi
6685 }
6686 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6687   \let\display@setup\dseries@display@setup
6688   % Question: should this be the default for dseries???
6689   \global\eq@wdCond\z@
6690   \@dmath[layout={M},#1]%
6691   \mathsurround\z@\@math \penalty\@Mi

```



```

6692 \let\endmath\ends@math
6693 \def\premath{%
6694     \ifdim\lastskip<.3em \unskip
6695     \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6696 }%
6697 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6698 \ignorespaces
6699 }
6700 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
6701 \renewenvironment{dsuspend}{%
6702     \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
6703     \parshape 1 \displayindent \displaywidth\relax
6704     \hsize=\columnwidth \noindent\ignorespaces
6705 }{%
6706     \par\egroup
6707     \global\setbox\GRP@box\vbox{%
6708         \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
6709         \unvbox\GRP@box
6710     }%
6711     \global\GRP@queue\exp{\the\GRP@queue
6712         \elt{\let\eq@isIntertext\@True}%
6713     }%
6714 }

```

7.35 cals-xetex-bidi.def

```

6715 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
6716 \renewcommand\cals@setup@alignment[1]{%
6717     \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
6718     \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
6719     \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
6720 }
6721 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
6722 \renewenvironment{calstable}[1][\cals@table@alignment]{%
6723     \if@RTLtab\cals@activate@rtl\fi
6724     \let\cals@thead@tokens=\relax
6725     \let\cals@tfoot@tokens=\relax
6726     \let\cals@tbreak@tokens=\relax
6727     \cals@tfoot@height=0pt \relax
6728     \let\cals@last@context=n%
6729     \let\cals@current@context=b%
6730     \parindent=0pt \relax%
6731     \cals@setup@alignment{#1}%
6732     \cals@setpadding{Ag}\cals@setcellprevdepth{A1}\cals@set@tohsize%
6733     %% Alignment inside is independent on center/flushright outside
6734     \parfillskip=0pt plus1fil\relax
6735     \let\cals@borderL=\relax
6736     \let\cals@borderR=\relax
6737     \let\cals@borderT=\relax
6738     \let\cals@borderB=\relax

```



```

6739 \setbox\cals@backup@row=\box\voidb@x\relax
6740 \cals@AtBeginTable
6741 }{% End of the table
6742 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
6743 \renewcommand\alignL{%
6744 \ifRTLtab
6745 \cals@vfillAdd\cals@paddingL
6746 \else
6747 \cals@vfillDrop\cals@paddingL
6748 \fi
6749 \cals@vfillDrop\cals@paddingR}
6750 \renewcommand\alignR{%
6751 \ifRTLtab
6752 \cals@vfillDrop\cals@paddingL
6753 \else
6754 \cals@vfillAdd\cals@paddingL
6755 \fi
6756 \cals@vfillDrop\cals@paddingR}

```

7.36 caption-xetex-bidi.def

```

6757 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for
6758 \let\makecaption\caption@makecaption

```

7.37 caption3-xetex-bidi.def

```

6759 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
6760 \renewcommand*\caption@par{%
6761 \parindent\caption@parindent\hangindent\ifRTL-\fi\caption@hangindent}%

```

7.38 colortbl-xetex-bidi.def

```

6762 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
6763 \def\CT@setup{%
6764 \@tempdimb\col@sep
6765 \@tempdimc\col@sep
6766 \def\CT@color{%
6767 \global\let\CT@do@color\CT@@do@color
6768 \bidicolor}}
6769 \def\@classz{\@classx
6770 \@tempcnta\count@
6771 \prepnext@tok
6772 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6773 \@addtopreamble{\ifRTLtab\beginL\fi%
6774 \setbox\z@\hbox\bgroup\bgroup\ifRTLtab\beginR\fi
6775 \ifcase \@chnum
6776 \hskip\stretch{.5}\kern\z@
6777 \dollarbegin
6778 \insert@column
6779 \dollarend\hskip\stretch{.5}\or
6780 \dollarbegin \insert@column \dollarend \hfill \or
6781 \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or

```



```

6782 $\vcenter
6783 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6784 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6785 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6786 \fi
6787 \if@RTLtab\endR\fi\egroup\egroup
6788 \begingroup
6789 \CT@setup
6790 \CT@column@color
6791 \CT@row@color
6792 \CT@cell@color
6793 \CT@do@color
6794 \endgroup
6795 \@tempdima\ht\z@
6796 \advance\@tempdima\minrowclearance
6797 \vrule\@height\@tempdima\@width\z@
6798 \unhbox\z@\if@RTLtab\endL\fi}%
6799 \prepnext@tok}

```

7.39 color-xetex-bidi.def

```

6800 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe
6801 \long\def\color@b@x#1#2#3{%
6802 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6803 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6804 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6805 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6806 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}}%
6807 \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
6808 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6809 \DeclareRobustCommand\color{%
6810 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor}%
6811 \def\@declaredcolor#1{%
6812 \@ifundefined{\string\color @#1}%
6813 {\c@lor@error{`#1'}}}%
6814 {\expandafter\let\expandafter\current@color
6815 \csname\string\color @#1\endcsname
6816 \set@color}%
6817 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6818 \def\@undeclaredcolor[#1]#2{%
6819 \@ifundefined{color@#1}%
6820 {\c@lor@error{model `#1'}}}%
6821 {\csname color@#1\endcsname\current@color{#2}%
6822 \set@color}%
6823 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6824 \DeclareRobustCommand\bidicolor{%
6825 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}%
6826 \def\@bidiundeclaredcolor[#1]#2{%
6827 \@ifundefined{color@#1}%
6828 {\c@lor@error{model `#1'}}}%

```



```

6829     {\csname color@#1\endcsname\current@color{#2}%
6830       \set@color}%
6831     \ignorespaces}
6832 \def\@bidideclaredcolor#1{%
6833   \ifundefined{string\color @#1}%
6834     {\c@lor@error{`#1'}}%
6835     {\expandafter\let\expandafter\current@color
6836       \csname\string\color @#1\endcsname
6837       \set@color}%
6838   \ignorespaces}
6839 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6840 \def\color@fbox#1#2#3{%
6841   \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6842 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.40 combine-xetex-bidi.def

```

6843 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for ]
6844 \renewcommand{\c@ll@chapsecii}[2]{%
6845   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6846   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6847   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6848 }
6849 \renewcommand{\c@ll@chapseci}{%
6850   \setlength{\@tempdima}{0em}%
6851   \begingroup
6852     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6853     \parfillskip -\@pnumwidth
6854     \leavevmode
6855 }
6856 \renewenvironment{tocindent}[1]{%
6857   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

7.41 crop-xetex-bidi.def

```

6858 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
6859 \renewcommand*{\CROP@@ulc}{%
6860   \if@RTLmain%
6861     \begin{picture}(0,0)
6862       \unitlength\p@\thinlines
6863       \put(-40,0){\circle{10}}
6864       \put(-30,-5){\line(0,1){10}}
6865       \put(-35,0){\line(1,0){30}}
6866       \put(-10,30){\circle{10}}
6867       \put(-5,30){\line(1,0){10}}
6868       \put(0,35){\line(0,-1){30}}
6869     \end{picture}%
6870   \else%
6871     \begin{picture}(0,0)
6872       \unitlength\p@\thinlines
6873       \put(-30,0){\circle{10}}

```



```

6874         \put(-30,-5){\line(0,1){10}}
6875         \put(-35,0){\line(1,0){30}}
6876         \put(0,30){\circle{10}}
6877         \put(-5,30){\line(1,0){10}}
6878         \put(0,35){\line(0,-1){30}}
6879     \end{picture}%
6880     \fi%
6881 }
6882 \renewcommand*\CROP@urc{%
6883     \if@RTLmain%
6884         \begin{picture}(0,0)
6885             \unitlength\p@thinlines
6886             \put(20,0){\circle{10}}
6887             \put(30,-5){\line(0,1){10}}
6888             \put(35,0){\line(-1,0){30}}
6889             \put(-10,30){\circle{10}}
6890             \put(-5,30){\line(1,0){10}}
6891             \put(0,35){\line(0,-1){30}}
6892         \end{picture}%
6893     \else%
6894         \begin{picture}(0,0)
6895             \unitlength\p@thinlines
6896             \put(30,0){\circle{10}}
6897             \put(30,-5){\line(0,1){10}}
6898             \put(35,0){\line(-1,0){30}}
6899             \put(0,30){\circle{10}}
6900             \put(-5,30){\line(1,0){10}}
6901             \put(0,35){\line(0,-1){30}}
6902         \end{picture}%
6903     \fi%
6904 }
6905 \renewcommand*\CROP@llc{%
6906     \if@RTLmain%
6907         \begin{picture}(0,0)
6908             \unitlength\p@thinlines
6909             \put(-40,0){\circle{10}}
6910             \put(-30,-5){\line(0,1){10}}
6911             \put(-35,0){\line(1,0){30}}
6912             \put(-10,-30){\circle{10}}
6913             \put(-5,-30){\line(1,0){10}}
6914             \put(0,-35){\line(0,1){30}}
6915         \end{picture}%
6916     \else%
6917         \begin{picture}(0,0)
6918             \unitlength\p@thinlines
6919             \put(-30,0){\circle{10}}
6920             \put(-30,-5){\line(0,1){10}}
6921             \put(-35,0){\line(1,0){30}}
6922             \put(0,-30){\circle{10}}
6923             \put(-5,-30){\line(1,0){10}}

```



```

6924      \put(0,-35){\line(0,1){30}}
6925      \end{picture}%
6926      \fi%
6927 }
6928 \renewcommand*\CROP@lrc{%
6929   \if@RTLmain%
6930     \begin{picture}(0,0)
6931       \unitlength\p@\thinline
6932       \put(20,0){\circle{10}}
6933       \put(30,-5){\line(0,1){10}}
6934       \put(35,0){\line(-1,0){30}}
6935       \put(-10,-30){\circle{10}}
6936       \put(-5,-30){\line(1,0){10}}
6937       \put(0,-35){\line(0,1){30}}
6938     \end{picture}%
6939   \else%
6940     \begin{picture}(0,0)
6941       \unitlength\p@\thinline
6942       \put(30,0){\circle{10}}
6943       \put(30,-5){\line(0,1){10}}
6944       \put(35,0){\line(-1,0){30}}
6945       \put(0,-30){\circle{10}}
6946       \put(-5,-30){\line(1,0){10}}
6947       \put(0,-35){\line(0,1){30}}
6948     \end{picture}%
6949   \fi%
6950 }
6951 \@ifpackagewith{crop}{cam}{%
6952   \CROP@execopt{cam}%
6953 }{}

```

7.42 cutwin-xetex-bidi.def

```

6954 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for ]
6955 \renewcommand*\c@twcompctr[2]{%
6956   \def\c@twfirst{1}
6957   \loop\advance\c@twwinlines\m@ne
6958   \setbox\c@twslicea=\vsplit#1 to\baselineskip
6959   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
6960   \c@twprune{\c@twslicea}{\c@twlftside}%
6961   \c@twprune{\c@twsliceb}{\c@twrtside}%
6962   \ifnum\c@twfirst=\@ne
6963     \setbox#2=\vbox{\unvbox#2\hbox
6964       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
6965     \else
6966       \setbox#2=\vbox{\unvbox#2\hbox
6967         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\bo
6968     \fi
6969   \def\c@twfirst{2}
6970   \ifnum\c@twwinlines>\z@\repeat}

```



```

6971 \renewcommand*{\c@twcompoddctr}[2]{%
6972   \def\c@twrounds{1}
6973   \def\c@twfirst{1}
6974   \@for\c@twlspec:=\c@twb\do{%
6975     \ifnum\c@twrounds=1
6976       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
6977       \c@twprune{\c@twslicea}{\c@twlspec}%
6978       \def\c@twrounds{2}
6979     \else
6980       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
6981       \c@twprune{\c@twsliceb}{\c@twlspec}%
6982       \ifnum\c@twfirst=1
6983         \setbox#2=\vbox{\unvbox#2\hbox
6984           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi}\hfil\picinwindow\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}
6985         \def\c@twfirst{2}
6986       \else
6987         \setbox#2=\vbox{\unvbox#2\hbox
6988           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi}\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}
6989       \fi
6990       \def\c@twrounds{1}
6991     \fi}}

```

7.43 cuted-xetex-bidi.def

```

6992 \ProvidesFile{cuted-xetex-bidi.def}[2017/05/06 v0.6 bidi adaptations for cuted package for Xe
6993
6994 \def\RTL@outputdblcol{%
6995   \if@firstcolumn
6996     \global\@firstcolumnfalse
6997     \global\setbox\@leftcolumn\copy\@outputbox
6998     \splitmaxdepth\maxdimen
6999     \vbadness\maxdimen
7000     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7001     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7002     \toks@\expandafter{\topmark}%
7003     \xdef\@firstcoltopmark{\the\toks@}%
7004     \toks@\expandafter{\splitfirstmark}%
7005     \xdef\@firstcolfirstmark{\the\toks@}%
7006     \ifx\@firstcolfirstmark\@empty
7007       \global\let\@setmarks\relax
7008     \else
7009       \gdef\@setmarks{%
7010         \let\firstmark\@firstcolfirstmark
7011         \let\topmark\@firstcoltopmark}%
7012     \fi
7013   \else
7014     \global\@firstcolumntrue
7015     \setbox\@outputbox\vbox{%
7016       \hb@xt@\textwidth{%
7017         \hskip \columnwidth

```



```

7018 \hfil
7019 {\normalcolor\vrule \@width\columnseprule}%
7020 \hfil
7021 \hb@xt@\columnwidth{%
7022 \bidi@firstcolumn@status@write%
7023 \box\@leftcolumn \hss}%
7024 \hskip -\textwidth
7025 \hb@xt@\columnwidth{%
7026 \bidi@lastcolumn@status@write%
7027 \box\@outputbox \hss}%
7028 \hskip \columnsep
7029 \hskip \columnwidth }%
7030 \ifvoid\hold@viper
7031 \else
7032 \setbox\@outputbox \vbox to\textheight{%
7033 \box\hold@viper
7034 \box\@outputbox
7035 \vss
7036 }%
7037 \fi
7038 \@combinedblfloats
7039 \@setmarks
7040 \@outputpage
7041 \begingroup
7042 \@dblfloatplacement
7043 \@startdblcolumn
7044 \@whiles\if@fcolmade \fi{\@outputpage
7045 \@startdblcolumn}%
7046 \ifvoid\@viper
7047 \else
7048 \global\setbox\@viper\vbox{%
7049 \vskip-\stripsep
7050 \unvbox\@viper
7051 }%
7052 \@viperoutput
7053 \fi
7054 \endgroup
7055 \fi}%
7056
7057 \def\LTR@outputdblcol{%
7058 \if@firstcolumn
7059 \global\@firstcolumnfalse
7060 \global\setbox\@leftcolumn\copy\@outputbox
7061 \splitmaxdepth\maxdimen
7062 \vbadness\maxdimen
7063 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7064 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7065 \toks@{\expandafter{\topmark}}%
7066 \xdef\@firstcoltopmark{\the\toks@}%
7067 \toks@\expandafter{\splitfirstmark}%

```



```

7068 \xdef\@firstcolfirstmark{\the\toks@}%
7069 \ifx\@firstcolfirstmark\@empty
7070 \global\let\@setmarks\relax
7071 \else
7072 \gdef\@setmarks{%
7073 \let\firstmark\@firstcolfirstmark
7074 \let\topmark\@firstcoltopmark}%
7075 \fi
7076 \else
7077 \global\@firstcolumntrue
7078 \setbox\@outputbox\vbox{%
7079 \hb@xt@\textwidth{%
7080 \hb@xt@\columnwidth{%
7081 \bidi@firstcolumn@status@write%
7082 \box\@leftcolumn \hss}%
7083 \hfil
7084 {\normalcolor\vrule \@width\columnseprule}%
7085 \hfil
7086 \hb@xt@\columnwidth{%
7087 \bidi@lastcolumn@status@write%
7088 \box\@outputbox \hss}}}%
7089 \ifvoid\hold@viper
7090 \else
7091 \setbox\@outputbox \vbox to\textheight{%
7092 \box\hold@viper
7093 \box\@outputbox
7094 \vss
7095 }%
7096 \fi
7097 \@combinedblfloats
7098 \@setmarks
7099 \@outputpage
7100 \beginngroup
7101 \@dblfloatplacement
7102 \@startdblcolumn
7103 \@whilesw\if@fcolmade \fi{\@outputpage
7104 \@startdblcolumn}%
7105 \ifvoid\@viper
7106 \else
7107 \global\setbox\@viper\vbox{%
7108 \vskip-\stripsep
7109 \unvbox\@viper
7110 }%
7111 \@viperoutput
7112 \fi
7113 \endgroup
7114 \fi}%
7115
7116
7117 \def \@addviper {%

```



```

7118 \if@firstcolumn
7119 \@insertfalse
7120 \@reqcolroom .5\@pageht
7121 \ht@viper\@reqcolroom
7122 \advance \@reqcolroom \ht\@viper
7123 \advance \@reqcolroom \stripsep
7124 \ifvoid\hold@viper\@tempdima=z@\else\@tempdima\ht\hold@viper\fi
7125 %%
7126 \@tempdimb \ht@viper
7127 \loop
7128 \setbox\v@aaa\copy\@holdpg
7129 \setbox\v@ccc\vbox to\@tempdimb{%
7130 \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
7131 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7132 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
7133 \loop
7134 \setbox\v@aaa\copy\@holdpg
7135 \setbox\v@ccc\vbox to\@tempdimb{%
7136 \vsplit\v@aaa to\@tempdimb\vss}%
7137 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
7138 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
7139 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
7140 \setbox\v@ccc\vbox to\@tempdimb{%
7141 \vsplit\@holdpg to\@tempdimb\vss}%
7142 %%
7143 \setbox\@tempboxa \vbox {%
7144 \hb@xt@\textwidth {%
7145 \if@RTLmain%
7146 \hskip \columnwidth
7147 \hfil \vrule width\columnseprule \hfil
7148 \hb@xt@\columnwidth {%
7149 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7150 \hskip -\textwidth
7151 \hb@xt@\columnwidth {%
7152 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7153 \hskip \columnsep
7154 \hskip \columnwidth
7155 \else%
7156 \hb@xt@\columnwidth {%
7157 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7158 \hfil
7159 \vrule \@width\columnseprule
7160 \hfil
7161 \hb@xt@\columnwidth {%
7162 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7163 \fi}%
7164 }%
7165 \ifvoid\hold@viper
7166 \global\setbox\hold@viper \vbox {%
7167 \unvbox\@tempboxa

```



```

7168         \penalty\interlinepenalty
7169         \vskip\stripsep
7170         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7171         \outputpenalty \z@
7172         }%
7173     \else
7174         \global\setbox\hold@viper \vbox {%
7175             \unvbox\hold@viper
7176             \unvbox\@tempboxa
7177             \penalty\interlinepenalty
7178             \vskip\stripsep
7179             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7180             \outputpenalty \z@
7181             }%
7182     \fi
7183     \ifdim \@colroom>\@reqcolroom
7184         \global\setbox\hold@viper \vbox {%
7185             \unvbox\hold@viper
7186             \box\@viper
7187             \penalty\interlinepenalty
7188             \vskip\stripsep
7189             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7190             \outputpenalty \z@
7191             }%
7192     \@inserttrue
7193     \advance\@tempdima by-\ht\hold@viper
7194     \global \advance \@colht \@tempdima
7195     \ifdim \@colht<2.5\baselineskip
7196         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7197             too tall on page \thepage (1 stulpelis)}%
7198         \@emptycol
7199         \if@firstcolumn
7200         \else
7201             \@emptycol
7202         \fi
7203         \global\@lastvipertrue
7204     \else
7205         \global \vsize \@colht
7206         \global \@colroom \@colht
7207         \check@floats
7208         \ifdim\@tempdima>\z@
7209             \global\advance\@colroom by-\@tempdima
7210         \fi
7211         \ifdim\@colroom<\z@
7212             \global\@colroom 1pt
7213             \ifdim\@tempdima>\@colht
7214                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7215                     netelpa lape \thepage (1 stulpelis)}%
7216             \fi
7217         \@emptycol

```



```

7218             \if@firstcolumn
7219             \else
7220             \@emptycol
7221             \fi
7222             \global\@lastvipertrue
7223         \fi
7224     \fi
7225 \fi
7226 \else
7227     \@insertfalse
7228     \@reqcolroom\@colht
7229     \advance\@reqcolroom \@pageht
7230     \ht@vipер.5\@reqcolroom
7231     \@reqcolroom\ht@vipер
7232     \advance \@reqcolroom \ht\@vipер
7233     \advance \@reqcolroom \stripsep
7234     \if@flushend@auto@baselineskip
7235         \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
7236             \global\lastskip@d\lastskip
7237             \global\lastskip@b\lastskip
7238             \loop
7239                 \global\lastskip@a\lastskip@b
7240                 \unskip\unpenalty
7241                 \global\lastskip@b\lastskip
7242                 \global\advance\lastskip@d by\lastskip
7243                 \ifdim\lastskip@b=-\lastskip@a
7244                     \global\advance\lastskip@d by-\lastskip
7245                 \else
7246                 \repeat
7247                 \ifdim\lastskip@b=-\lastskip@a
7248                     \ifdim\lastskip@b=\z@
7249                         \setbox\lastbox@a\lastbox
7250                         \global\advance\lastskip@d by\ht\lastbox@a
7251                         \global\advance\lastskip@d by\lastskip
7252                         \unskip\unpenalty
7253                         \setbox\lastbox@a\lastbox
7254                         \global\advance\lastskip@d by\dp\lastbox@a
7255                     \else
7256                         \global\lastskip@d\lastskip
7257                         \global\advance\lastskip@d by\topskip
7258                     \fi
7259                 \fi
7260                 \global\advance\lastskip@d by-\topskip
7261             }%
7262     \ifdim\ht\@holdpg>\@colht
7263         \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
7264             \par\eject
7265             \vbox to \@colht{\unvbox\@holdpg\unskip}}%
7266         }%
7267 \else

```



```

7268         \global\setbox\@holdpg\vbox{%
7269             \unvbox\@leftcolumn\unskip\unpenalty
7270             \vskip\lastskip@d
7271             \the\At@ViperColsBreak
7272             \unvbox\@holdpg
7273             \unskip
7274         }%
7275     \fi
7276 \else
7277     \global\setbox\@holdpg\vbox{%
7278         \unvbox\@leftcolumn
7279         \setbox\@tempboxa\lastbox
7280         \on@stripcols@break
7281         \the\At@ViperColsBreak
7282         \unvbox\@holdpg
7283     }%
7284 \fi
7285 \global\At@ViperColsBreak{}%
7286 \ht@viper .5\ht\@holdpg
7287 \ifdim \ht@viper>\@colht
7288     \ht@viper \@colht
7289 \fi
7290 \ifvoid\hold@viper\@tempdima=\z@else\@tempdima\ht\hold@viper\fi
7291 %%
7292 \@tempdimb \ht@viper
7293 \loop
7294     \setbox\v@aaa\copy\@holdpg
7295     \setbox\v@ccc\vbox to\@tempdimb{%
7296         \vsplit\v@aaa to\@tempdimb
7297         \vss
7298         \vsplit\v@aaa to\@tempdimb
7299     }%
7300     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7301 \ifvoid\v@aaa
7302 \else
7303     \advance\@tempdimb 1\p@
7304 \repeat
7305 \loop
7306     \setbox\v@aaa\copy\@holdpg
7307     \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7308     \wlog{(2)Left:\the\ht\v@ccc\space
7309         Right:\the\ht\v@aaa\space
7310         Output:\the\@tempdimb
7311     }%
7312 \ifdim\ht\v@ccc<\ht\v@aaa
7313     \@tempdimb \the\ht\v@aaa
7314 \repeat
7315 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
7316         ^^JRight:\the\ht\v@aaa
7317         ^^JOutput:\the\@tempdimb

```



```

7318     }%
7319 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
7320 \setbox\@tempboxa\vbox{%
7321     \hb@xt@\textwidth {%
7322         \if@RTLmain%
7323         \hskip \columnwidth
7324         \hfil \vrule width\columnseprule \hfil
7325         \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7326         \hskip -\textwidth
7327         \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7328         \hskip \columnsep
7329         \hskip \columnwidth
7330     \else
7331         \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7332         \hfil
7333         \vrule \@width\columnseprule
7334         \hfil
7335         \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7336     \fi%
7337 }%
7338 }%
7339 \ifvoid\hold@viper
7340 \global\setbox\hold@viper \vbox {%
7341     \unvbox\@tempboxa
7342     \penalty\interlinepenalty
7343     \vskip\stripsep
7344     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7345     \outputpenalty \z@
7346 }%
7347 \else
7348 \global\setbox\hold@viper \vbox {%
7349     \unvbox\hold@viper
7350     \unvbox\@tempboxa
7351     \penalty\interlinepenalty
7352     \vskip\stripsep
7353     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7354     \outputpenalty \z@
7355 }%
7356 \fi
7357 \ifdim \@colht>\@reqcolroom
7358 \global\setbox\hold@viper \vbox {%
7359     \unvbox\hold@viper
7360     \box\@viper
7361     \penalty\interlinepenalty
7362     \vskip\stripsep
7363     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7364     \outputpenalty \z@
7365 }%
7366 \@inserttrue
7367 \global\@firstcolumntrue

```



```

7368      \advance\@tempdima by-\ht\hold@viper
7369      \global \advance \@colht \@tempdima
7370      \ifdim \@colht<2.5\baselineskip
7371          \latex@warning@no@line {Optional argument of \noexpand\twocolumn
7372                                  too tall on page \thepage (2 stulpelis)}}%
7373          \emptycol
7374          \if@firstcolumn
7375          \else
7376              \emptycol
7377          \fi
7378          \global\@lastvipertrue
7379      \else
7380          \global \vsize \@colht
7381          \global \@colroom \@colht
7382          \check@floats
7383          \ifdim\@tempdima>\z@
7384              \global\advance\@colroom by-\@tempdima
7385          \fi
7386          \ifdim\@colroom<\z@
7387              \global\@colroom 1pt
7388              \ifdim\@tempdima>\@colht
7389                  \latex@warning@no@line {TOP ir/ar BOT FLOAT's
7390                                          netelpla lape \thepage (2 stulpelis)}}%
7391              \fi
7392              \emptycol
7393              \if@firstcolumn
7394              \else
7395                  \emptycol
7396              \fi
7397              \global\@lastvipertrue
7398          \fi
7399      \fi
7400      \fi
7401      \fi
7402      \if@insert
7403      \else
7404          \advance\@tempdima by-\ht\hold@viper
7405          \global \advance \@colht \@tempdima
7406          \global\setbox\hold@viper \vbox {%
7407                                  \unvbox\hold@viper
7408                                  \csname viper@top@hook\endcsname
7409                                  \vsplit\@viper to \@colht
7410                                  \vss
7411                                  }%
7412          \vbox{}}%
7413          \global\@firstcolumnfalse
7414          \newpage
7415      \fi
7416  }

```



7.44 cvthemebidicasual.sty

```
7417 \NeedsTeXFormat{LaTeX2e}
7418 \ProvidesPackage{cvthemebidicasual}
7419 \DeclareOption{blue}{\}
7420 \newif\if@colourorange\@colourorangefalse
7421 \DeclareOption{orange}{\@colourorangetrue}
7422 \newif\if@colourgreen\@colourgreenfalse
7423 \DeclareOption{green}{\@colourgreentrue}
7424 \newif\if@colourred\@colourredfalse
7425 \DeclareOption{red}{\@colourredtrue}
7426 \newif\if@colourgrey\@colourgreyfalse
7427 \DeclareOption{grey}{\@colourgreytrue}
7428 \DeclareOption*{
7429   \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
7430 \ExecuteOptions{colour}
7431 \ProcessOptions\relax
7432 \renewcommand*{\listitemsymbol}{\textbullet}
7433 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7434 \familynamecolour{808080}
7435 \firstnamecolour{A9A9A9}
7436 \quotecolour{696969}
7437 \addresscolour{696969}
7438 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7439 \sectiontitlecolour{1E90FF}
7440 \subsectioncolour{4682B4}
7441 \definecolor{rulecolour}{gray}{0.6}
7442 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7443 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7444 \if@colourorange
7445   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7446   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7447   \sectiontitlecolour{FF8C00}
7448   \subsectioncolour{FF8C00}
7449   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7450   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7451 \if@colourgreen
7452   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7453   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7454   \sectiontitlecolour{008000}
7455   \subsectioncolour{008000}
7456   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7457   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7458 \if@colourred
7459   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7460   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7461   \sectiontitlecolour{FF0000}
7462   \subsectioncolour{FF0000}
7463   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7464   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
```



```

7465 \if@colourgrey
7466 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7467 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7468 \sectiontitlecolour{808080}
7469 \subsectioncolour{808080}
7470 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7471 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7472 \renewcommand*{\ttdefault}{pcr}
7473 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7474 \renewcommand*{\familynamefont}{\firstnamefont}
7475 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7476 \renewcommand*{\quoteont}{\large\slshape}
7477 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7478 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7479 \renewcommand*{\maketitle}{%
7480   {%
7481     \ifthenelse{\isundefined{\@photo}}{%
7482       {}%
7483       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
7484       \hfill%
7485       \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\ll[-.35em]}%
7486       {\color{firstnamecolor}\rule{\textwidth}{.25ex}\ll[2.5em]}%
7487     \ifthenelse{\isundefined{\@quote}}{%
7488       {}%
7489       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\ll[.35em]}%
7490     }%
7491 \newif\if@firstfooterelement\@firstfooterelementtrue
7492 \providecommand*{\footersymbol}{%
7493 \renewcommand*{\footersymbol}{%
7494 \if@firstfooterelement%
7495 \else%
7496   {~~\color{footersymbolcolor}\textbullet~~}\fi}
7497 \providecommand*{\makefooter}{%
7498 \renewcommand*{\makefooter}{%
7499 \fancypagestyle{plain}{%
7500 \fancyfoot[c]{%
7501 \parbox{0.8\textwidth}{%
7502 \centering%
7503 \addressfont\@addresscolour%
7504 \ifthenelse{\isundefined{\@address}}{}{%
7505 \addresssymbol~\@address\%
7506 \@firstfooterelementfalse}%
7507 \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7508 \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7509 \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7510 \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
7511 \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
7512 }%
7513 \pagestyle{plain}}
7514 \AtBeginDocument{\makefooter}

```



7.45 cvthemebidiclassic.sty

```
7515 \NeedsTeXFormat{LaTeX2e}
7516 \ProvidesPackage{cvthemebidiclassic}
7517 \DeclareOption{blue}{\}
7518 \newif\if@colourorange\@colourorangefalse
7519 \DeclareOption{orange}{\@colourorangetrue}
7520 \newif\if@colourgreen\@colourgreenfalse
7521 \DeclareOption{green}{\@colourgreentrue}
7522 \newif\if@colourred\@colourredfalse
7523 \DeclareOption{red}{\@colourredtrue}
7524 \newif\if@colourgrey\@colourgreyfalse
7525 \DeclareOption{grey}{\@colourgreytrue}
7526 \DeclareOption*{
7527   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7528 \ExecuteOptions{colour}
7529 \ProcessOptions\relax
7530 \renewcommand*{\listitemsymbol}{\textbullet}
7531 \firstnamecolour{}
7532 \familynamecolour{}
7533 \titlecolour{808080}
7534 \quotecolour{696969}
7535 \addresscolour{696969}
7536 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7537 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7538 \sectiontitlecolour{1E90FF}
7539 \subsectioncolour{4682B4}
7540 \if@colourorange
7541   \addresscolour{FF8C00}
7542   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7543   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7544   \sectiontitlecolour{FF8C00}
7545   \subsectioncolour{FF8C00}\fi
7546 \if@colourgreen
7547   \addresscolour{008000}
7548   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7549   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7550   \sectiontitlecolour{008000}
7551   \subsectioncolour{008000}\fi
7552 \if@colourred
7553   \addresscolour{FF0000}
7554   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7555   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7556   \sectiontitlecolour{FF0000}
7557   \subsectioncolour{FF0000}\fi
7558 \if@colourgrey
7559   \addresscolour{808080}
7560   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7561   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7562   \sectiontitlecolour{808080}
```



```

7563 \subsectioncolour{808080}\fi
7564 \renewcommand*{\ttdefault}{pcr}
7565 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7566 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7567 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7568 \renewcommand*{\familynamefont}{\firstnamefont}
7569 \renewcommand*{\quoteont}{\large\slshape}
7570 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7571 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7572 \newlength{\maketitlenamemaxwidth}
7573 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
7574 \newlength{\maketitlenamewidth}
7575 \setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}
7576 \newlength{\maketitlepicturewidth}
7577 \setlength{\maketitlepicturewidth}{\photowidth}
7578 \newlength{\maketitledetailwidth}
7579 \setlength{\maketitledetailwidth}{\maketitlepicturewidth}
7580 \renewcommand*{\recomputethemelengths}{%
7581 \setlength{\maketitledetailwidth}{\textwidth}%
7582 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
7583 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
7584 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}%
7585 \recomputethemelengths}
7586 \newif\if@firstdetailselement\@firstdetailselementtrue
7587 \newcommand*{\maketitledetailsnewline}{%
7588 \if@firstdetailselement%
7589 \@firstdetailselementfalse%
7590 \else%
7591 \[.2em]\fi}
7592 \renewcommand*{\maketitle}{%
7593 % name and title
7594 \begin{minipage}[b]{\maketitlenamewidth}%
7595 \firstnamefont{\@firstname~}\familynamefont{\@familyname}%
7596 \ifthenelse{\equal{\@title}{}}{\[1.25em]\titlefont{\@title}}{}%
7597 \end{minipage}%
7598 % optional data
7599 \begin{minipage}[b]{\maketitledetailwidth}%
7600 \bidi@raggedleft\addressfont\@addresscolour%
7601 \ifthenelse{\isundefined{\@address}}{\[1.25em]\titlefont{\@title}}{}%
7602 \maketitledetailsnewline%
7603 \addresssymbol-\@address%
7604 \ifthenelse{\isundefined{\@mobile}}{\[1.25em]\titlefont{\@title}}{}%
7605 \ifthenelse{\isundefined{\@phone}}{\[1.25em]\titlefont{\@title}}{}%
7606 \ifthenelse{\isundefined{\@fax}}{\[1.25em]\titlefont{\@title}}{}%
7607 \ifthenelse{\isundefined{\@email}}{\[1.25em]\titlefont{\@title}}{}%
7608 \ifthenelse{\isundefined{\@extrainfo}}{\[1.25em]\titlefont{\@title}}{}%
7609 \end{minipage}%
7610 % optional photo
7611 \ifthenelse{\isundefined{\@photo}}{}%

```



```

7613 {}%
7614 {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\m
7615 % optional quote
7616 \ifthenelse{\isundefined{\@quote}}%
7617 {}%
7618 {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[\[
7619 }

```

7.46 dblfnote-xetex-bidi.def

```

7620 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package
7621 \let\autofooterule\relax
7622 \let\rightfootnoterule\relax
7623 \let\leftfootnoterule\relax
7624 \let\textwidthfootnoterule\relax
7625 \let\LRfootnoterule\relax
7626 \def\footnoterule{\kern-3\p@
7627 \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7628 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7629 \let\@footnotetext\dfn@footnotetext}
7630 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
7631 \let\insert\dfn@gobble
7632 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7633 \def\@makefnmark{\smash{\dfn@makefnmark}}
7634 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7635 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7636 \ifdim\dfn@dima>\z@else
7637 \dfn@dima1sp\relax
7638 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7639 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7640 \ifvoid\dfn@inselse
7641 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7642 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7643 \setbox\dfn@boxa\copy\dfn@ins
7644 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7645 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7646 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7647 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}}%
7648 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7649 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7650 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7651 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
7652 \let\insert\dfn@gobble
7653 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7654 \def\@makefnmark{\smash{\dfn@makefnmark}}
7655 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7656 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7657 \ifdim\dfn@dima>\z@else
7658 \dfn@dima1sp\relax
7659 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi

```



```

7660 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7661 \ifvoid\dfn@ins\else
7662 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7663 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7664 \setbox\dfn@boxa\copy\dfn@ins
7665 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7666 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7667 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7668 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7669 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7670 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7671 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7672 \def\dfn@RTLmakecol{\ifvoid\footins\else
7673 \dfn@dima\ht\footins
7674 \@tempcnta\z@ \dfn@countins
7675 \@tempdima\z@ \let\@elt\dfn@elt@getht
7676 \dfn@list\@nil
7677 \ifdim\@tempdima=\z@\else
7678 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7679 \global\setbox\dfn@ins\box\dfn@ins
7680 \@tempwattrue
7681 \ifdfn@trysingle
7682 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7683 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7684 \advance\@tempdima-\skip\footins
7685 \advance\@tempdima-\ht\dfn@boxa
7686 \ifdim\@tempdima<\z@\else \@tempswafalse
7687 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7688 \footnoterule \unvbox\dfn@boxa}\fi\fi
7689 \if@tempswa
7690 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7691 \global\setbox\footins\vbox{\hbox{%
7692 \hskip \DFNcolumnwidth
7693 \hskip\DFNcolumnsep
7694 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7695 \unvbox\dfn@boxb\vss}\hss}
7696 \hskip -\textwidth
7697 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7698 \vbox to\@tempdima{
7699 \setbox\@tempboxa\vbox{\footnoterule}
7700 \ifdfn@ruleboth \unvbox\@tempboxa
7701 \else \@tempdima\ht\@tempboxa
7702 \advance\@tempdima\dp\@tempboxa
7703 \vskip\@tempdima
7704 \prevdepth\dp\@tempboxa \fi
7705 \unvbox\dfn@boxa\vss}\fi\hss}
7706 \hskip \DFNcolumnsep
7707 \hskip \DFNcolumnwidth}}}\fi\fi
7708 \global\dfn@fnht\z@
7709 \ifx\dfn@list\@empty\else

```



```

7710         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7711         \dfn@list \global\advance\dfn@fnht\dfn@dimb
7712         \let\@elt\relax
7713         \ifdim\dfn@dimb>\z@
7714             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7715             \insert\footins{\floatingpenalty\@MM
7716                 \vbox to\dfn@dimb{}}\fi
7717         \ifdim\dfn@fnht>\@tempdima
7718             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7719             \global\dfn@fnht\@tempdima
7720             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7721             \xdef\dfn@afteroutput{\insert\footins{
7722                 \floatingpenalty\@MM
7723                 \vbox to\number\@tempdimb sp{}}}%
7724             \global\let\noexpand\dfn@afteroutput\relax}%
7725         \fi\fi
7726     \fi}%
7727     \let\footnoterule\relax \dfn@latex@makecol
7728     \let\footnoterule\dfn@footnoterule}
7729 \def\dfn@LTRmakecol{\ifvoid\footins\else
7730     \dfn@dima\ht\footins
7731     \@tempcnta\z@ \dfn@countins
7732     \@tempdima\z@ \let\@elt\dfn@elt@getht
7733     \dfn@list\@nil
7734     \ifdim\@tempdima=\z@\else
7735     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7736     \global\setbox\dfn@ins\box\dfn@ins
7737     \@tempswatrue
7738     \ifdfn@trysingle
7739         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7740         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7741         \advance\@tempdima-\skip\footins
7742         \advance\@tempdima-\ht\dfn@boxa
7743         \ifdim\@tempdima<\z@\else \@tempswafalse
7744             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7745                 \footnoterule \unvbox\dfn@boxa}\fi\fi
7746     \if@tempswa
7747     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7748     \global\setbox\footins\vbox{\hbox{%
7749         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7750             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7751         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7752             \vbox to\@tempdima{
7753                 \setbox\@tempboxa\vbox{\footnoterule}
7754                 \ifdfn@ruleboth \unvbox\@tempboxa
7755                 \else \@tempdima\ht\@tempboxa
7756                 \advance\@tempdima\dp\@tempboxa
7757                 \vskip\@tempdima
7758                 \prevdepth\dp\@tempboxa \fi
7759                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi

```



```

7760 \global\dfn@fnht\z@
7761 \ifx\dfn@list\@empty\else
7762 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7763 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7764 \let\@elt\relax
7765 \ifdim\dfn@dimb>\z@
7766 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7767 \insert\footins{\floatingpenalty\@MM
7768 \vbox to\dfn@dimb{}}\fi
7769 \ifdim\dfn@fnht>\@tempdima
7770 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7771 \global\dfn@fnht\@tempdima
7772 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7773 \xdef\dfn@afteroutput{\insert\footins{
7774 \floatingpenalty\@MM
7775 \vbox to\number\@tempdimb sp{}}}%
7776 \global\let\noexpand\dfn@afteroutput\relax}%
7777 \fi\fi
7778 \fi}%
7779 \let\footnoterule\relax \dfn@latex@makecol
7780 \let\footnoterule\dfn@footnoterule}
7781 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7782 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7783 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7784 \DFNalwaysdouble

```

7.47 draftwatermark-xetex-bidi.def

```

7785 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
7786 \renewcommand\SetWatermarkText[1]{%
7787 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

7.48 eso-pic-xetex-bidi.def

```

7788 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package]
7789 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7790 \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}}
7791
7792 \ESO@isMEMOIR{%
7793 \renewcommand\AtTextUpperLeft[1]{%
7794 \begingroup
7795 \ifodd\c@page
7796 \@tempdima=\spinemargin
7797 \else
7798 \@tempdima=\paperwidth
7799 \advance\@tempdima-\textwidth
7800 \advance\@tempdima-\spinemargin
7801 \fi
7802 \@tempdimb=-\uppermargin
7803 \AtPageUpperLeft{%
7804 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}}%

```



```

7805     }%
7806   \endgroup
7807 }
7808 }{%
7809   \renewcommand\AtTextUpperLeft[1]{%
7810     \begingroup
7811       \@tempdima=1in\relax
7812       \ifodd\c@page
7813         \advance\@tempdima\oddsidemargin
7814       \else
7815         \advance\@tempdima\evensidemargin
7816       \fi
7817       \@tempdimb=-1in\relax
7818       \advance\@tempdimb-\topmargin
7819       \advance\@tempdimb-\headheight
7820       \advance\@tempdimb-\headsep
7821       \AtPageUpperLeft{%
7822         \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7823       }%
7824     \endgroup
7825   }
7826 }

```

7.49 empheq-xetex-bidi.def

```

7827 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for ]
7828 \MHInternalSyntaxOn
7829 \def\EQ_tag_plus_endmark:{%
7830   \iftagsleft@
7831     \gdef\maketag@@@##1{%
7832       \hfuzz\displaywidth
7833       \if@RTL\makebox[\widthof{##1}][r]{%
7834         \hbox to \displaywidth{\m@th\normalfont##1\hss
7835           \raisebox{-\dp\EQ_mathdisplay_box
7836             -\depthof{\EQ_outerbox:}}{
7837             {\PotEndMark{\hss}}}}
7838       \else\makebox[\widthof{##1}][l]{%
7839         \hbox to \displaywidth{\m@th\normalfont##1\hss
7840           \raisebox{-\dp\EQ_mathdisplay_box
7841             -\depthof{\EQ_outerbox:}}{
7842             {\PotEndMark{\hss}}}}\fi}%
7843   \else:
7844     \gdef\maketag@@@##1{%
7845       \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{
7846         \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
7847         \MH_addtolength:dn \@tempdima
7848         {\g_EQ_bottomtag_depth_dim+\mintagvsep}
7849         \setlength{\@tempdimb}
7850         {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
7851         +\depthof{\EQ_innerbox:}}}

```



```

7852 \if_dim:w \@tempdima>\@tempdimb
7853 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
7854 -\@tempdima+\g_EQ_bottomrow_depth_dim}
7855 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:{}}}%
7856 \def\EQ_next:{\raisebox{\@tempdima}}%
7857 \else:
7858 \def\EQ_next:{
7859 \raisebox{-\dp\EQ_mathdisplay_box
7860 -\depthof{\EQ_outerbox:{}}}%
7861 \fi:\EQ_next:}}}%
7862 \fi:}
7863 \def\EQ_post_process:{%
7864 \EQ_initialize:
7865 \EQ_begin_equation:
7866 \MH_if_boolean:nT {outer_mult}{
7867 \setkeys{\MT_options_name:}{
7868 firstline-afterskip=0pt,
7869 lastline-preskip=0pt,
7870 multlined-width=0pt,
7871 }
7872 \ifodd \l_EQ_alignmentmode_int
7873 \setkeys{\MT_options_name:}{multlined-pos=b}
7874 \else:
7875 \setkeys{\MT_options_name:}{multlined-pos=t}
7876 \fi:
7877 \g@addto@macro\EQ_complete_mathdisplay:{
7878 \begin{MTmultlined}\relax}
7879 }
7880 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
7881 \MH_if_boolean:nT {outer_mult}{
7882 \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}}
7883 }
7884 \EQ_end_equation:
7885 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
7886 \savecounters@
7887 \EQ_typeset_tags:
7888 \edef\l_EQ_equation_fint{\number\c@equation}
7889 \restorecounters@
7890 \Hy@linkcounter=\EQ_hyperref_link_fint
7891 \settowidth\l_EQ_totalwidth_dim{%
7892 $\EQ_left_side:\EQ_innerbox:{\}\EQ_right_side:$}%
7893 \MH_if_boolean:nTF {outer_mult}
7894 { \def\EQ_next:{_mult} }
7895 { \def\EQ_next:{} }
7896 \@nameuse{EQ_modify_linewidth_
7897 \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7898 \EQ_typeset_display:
7899 \@nameuse{find_displaywidth_
7900 \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7901 \MH_addtolength:dn

```



```

7902 \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
7903 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
7904   $\EQ_left_side:
7905   \EQ_innerbox:{%
7906     \if_case:w \l_EQ_alignmentmode_int\or:
7907       \makebox[\l_EQ_displaywidth_dim][c]
7908       {\usebox{\EQ_mathdisplay_box}}%
7909     \or:
7910       \makebox[\l_EQ_displaywidth_dim][c]
7911       {\usebox{\EQ_mathdisplay_box}}%
7912     \or:
7913       \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7914         \if_num:w \l_EQ_equationtype_int=5 \else:
7915           \if_num:w \l_EQ_equationtype_int=6 \else:
7916             \kern-\@mathmargin
7917             \fi:
7918             \fi:
7919             \usebox{\EQ_mathdisplay_box}}%
7920         \else\makebox[\l_EQ_displaywidth_dim][l]{%
7921           \if_num:w \l_EQ_equationtype_int=5 \else:
7922             \if_num:w \l_EQ_equationtype_int=6 \else:
7923               \kern-\@mathmargin
7924               \fi:
7925               \fi:
7926               \usebox{\EQ_mathdisplay_box}}\fi%
7927         \or:
7928           \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7929             \if_num:w \l_EQ_equationtype_int=5 \else:
7930               \if_num:w \l_EQ_equationtype_int=6 \else:
7931                 \kern-\@mathmargin
7932                 \fi:
7933                 \fi:
7934                 \usebox{\EQ_mathdisplay_box}}
7935             \else\makebox[\l_EQ_displaywidth_dim][l]{%
7936               \if_num:w \l_EQ_equationtype_int=5 \else:
7937                 \if_num:w \l_EQ_equationtype_int=6 \else:
7938                   \kern-\@mathmargin
7939                   \fi:
7940                   \fi:
7941                   \usebox{\EQ_mathdisplay_box}}\fi%
7942             \fi:}%
7943       \EQ_right_side:$}%
7944 \begin{AmSequation*}
7945 \@nameuse{EQ_place_display_
7946   \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7947 \if_dim:w \g_EQ_widesttag_dim>\z@
7948 \MH_set_boolean_T:n {show_manual_tags}
7949 \if_case:w \l_EQ_alignmentmode_int
7950 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %%1
7951 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %%2

```



```

7952 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
7953 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
7954 \fi:
7955 \fi:
7956 \end{AmSequation*}
7957 \global\c@equation=\l_EQ_equation_fint\relax
7958 }
7959 \AtBeginDocument{%
7960 \ifpackageloaded{fancybox}{%
7961 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
7962 {\renewcommand*{\textcolor[2]{\normalcolor{#2}}}%
7963 \renewcommand*{\shadowbox{%
7964 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
7965 \VerbBox\EQ_shadowbox:n}
7966 {\MH_set_boolean_F:n {shadowbox_star}
7967 \VerbBox\EQ_shadowbox:n}}
7968 \def\EQ_shadowbox:n #1{%
7969 \sbox{\z@}{\fbox{#1}}%
7970 \MH_if_boolean:nTF {shadowbox_star}{
7971 \MH_setlength:dn \@tempdima{\z@}%
7972 }{
7973 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
7974 }
7975 \raisebox{\@tempdima}{%
7976 \if@RTL\makebox[\z@][r]{%
7977 \kern\shadowsize \textcolor{shadowcolor}{%
7978 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
7979 }%
7980 \else\makebox[\z@][l]{%
7981 \kern\shadowsize \textcolor{shadowcolor}{%
7982 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
7983 }\fi%
7984 \usebox\z@\textcolor{shadowcolor}{%
7985 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
7986 }{}%
7987 }
7988 \MHInternalSyntaxOff

```

7.50 extarticle-xetex-bidi.def

```

7989 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle clas
7990 \renewcommand*\l@section[2]{%
7991 \ifnum \c@tocdepth >\z@
7992 \addpenalty\@secpenalty
7993 \addvspace{1.0em \@plus\p@}%
7994 \setlength\@tempdima{1.5em}%
7995 \begingroup
7996 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7997 \parfillskip -\@pnumwidth
7998 \leavevmode \bfseries

```



```

7999      \advance\if@RTL\rightrightskip\else\leftskip\fi\@tempdima
8000      \hskip -\if@RTL\rightrightskip\else\leftskip\fi
8001      #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8002      \endgroup
8003      \fi}
8004      \renewcommand*\l@part[2]{%
8005      \ifnum \c@tocdepth >-2\relax
8006      \addpenalty\@secpenalty
8007      \addvspace{2.25em \@plus\p@}%
8008      \begingroup
8009      \setlength\@tempdima{3em}%
8010      \parindent \z@ \if@RTL\leftskip\else\rightrightskip\fi \@pnumwidth
8011      \parfillskip -\@pnumwidth
8012      {\leavevmode
8013      \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8014      \nobreak
8015      \endgroup
8016      \fi}
8017      \def\@part[#1]#2{%
8018      \ifnum \c@secnumdepth >\m@ne
8019      \refstepcounter{part}%
8020      \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
8021      \else
8022      \addcontentsline{toc}{part}{#1}%
8023      \fi
8024      {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8025      \interlinepenalty \@M
8026      \normalfont
8027      \ifnum \c@secnumdepth >\m@ne
8028      \Large\bfseries \partname~\thepart
8029      \par\nobreak
8030      \fi
8031      \huge \bfseries #2%
8032      \markboth{}{}\par}%
8033      \nobreak
8034      \vskip 3ex
8035      \@afterheading}
8036      \def\@spart#1{%
8037      {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8038      \interlinepenalty \@M
8039      \normalfont
8040      \huge \bfseries #1\par}%
8041      \nobreak
8042      \vskip 3ex
8043      \@afterheading}
8044      \renewenvironment{thebibliography}[1]
8045      {\section*{\refname
8046      \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
8047      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8048      \bidi@thebibliography@font@hook%

```



```

8049         \list{\@biblabel{\@arabic\c@enumiv}}%
8050         {\settowidth\labelwidth{\@biblabel{#1}}%
8051         \leftmargin\labelwidth
8052         \advance\leftmargin\labelsep
8053         \@openbib@code
8054         \usecounter{enumiv}%
8055         \let\p@enumiv\@empty
8056         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8057     \sloppy\clubpenalty4000\widowpenalty4000%
8058     \sfcode`.\@m}
8059     {\def\@noitemerr
8060     {\@latex@warning{Empty `thebibliography' environment}}}%
8061     \endlist}
8062 \renewcommand\left@footnoterule{%
8063     \kern-3\p@
8064     \hrule\@width.4\columnwidth
8065     \kern2.6\p@}
8066 \renewcommand\right@footnoterule{%
8067     \kern-3\p@
8068     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8069     \kern2.6\p@}
8070     \if@titlepage
8071     \renewcommand\maketitle{\begin{titlepage}%
8072     \let\footnotesize\small
8073     \let\right@footnoterule\relax
8074     \let\left@footnoterule\relax
8075     \let\textwidth\footnoterule\relax
8076     \let \footnote \thanks
8077     \null\vfil
8078     \vskip 60\p@
8079     \begin{center}%
8080     {\LARGE \@title \par}%
8081     \vskip 3em%
8082     {\large
8083     \lineskip .75em%
8084     \begin{tabular}[t]{c}%
8085     \@author
8086     \end{tabular}\par}%
8087     \vskip 1.5em%
8088     {\large \@date \par}%           % Set date in \large size.
8089     \end{center}\par
8090     \@thanks
8091     \vfil\null
8092     \end{titlepage}%
8093     \setcounter{footnote}{0}%
8094     \global\let\thanks\relax
8095     \global\let\maketitle\relax
8096     \global\let\@thanks\@empty
8097     \global\let\@author\@empty
8098     \global\let\@date\@empty

```



```

8099 \global\let\@title\@empty
8100 \global\let\title\relax
8101 \global\let\author\relax
8102 \global\let\date\relax
8103 \global\let\and\relax
8104 }
8105 \else
8106 \renewcommand\maketitle{\par
8107 \begin{group}
8108 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8109 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8110 \long\def\@makefnmark##1{\parindent 1em\noindent
8111 \hbox{#1}\hspace{1.8em}%
8112 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8113 \if@twocolumn
8114 \ifnum \col@number=\@ne
8115 \@maketitle
8116 \else
8117 \twocolumn[\@maketitle]%
8118 \fi
8119 \else
8120 \newpage
8121 \global\@topnum\z@ % Prevents figures from going at top of page.
8122 \@maketitle
8123 \fi
8124 \thispagestyle{plain}\@thanks
8125 \endgroup
8126 \setcounter{footnote}{0}%
8127 \global\let\thanks\relax
8128 \global\let\maketitle\relax
8129 \global\let\@maketitle\relax
8130 \global\let\@thanks\@empty
8131 \global\let\@author\@empty
8132 \global\let\@date\@empty
8133 \global\let\@title\@empty
8134 \global\let\title\relax
8135 \global\let\author\relax
8136 \global\let\date\relax
8137 \global\let\and\relax
8138 }
8139 \def\@maketitle{%
8140 \newpage
8141 \null
8142 \vskip 2em%
8143 \begin{center}%
8144 \let \footnote \thanks
8145 {\LARGE \@title \par}%
8146 \vskip 1.5em%
8147 {\large
8148 \lineskip .5em%

```



```

8149      \begin{tabular}[t]{c}%
8150      \@author
8151      \end{tabular}\par}%
8152      \vskip 1em%
8153      {\large \@date}%
8154      \end{center}}%
8155      \par
8156      \vskip 1.5em}
8157 \fi
8158 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8159 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8160 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8161 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%

```

7.51 extbook-xetex-bidi.def

```

8162 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for ]
8163 \if@titlepage
8164 \renewcommand\maketitle{\begin{titlepage}%
8165 \let\footnotesize\small
8166 \let\right@footnoterule\relax
8167 \let\left@footnoterule\relax
8168 \let\textwidth\footnoterule\relax
8169 \let \footnote \thanks
8170 \let \LTRfootnote \LTRthanks
8171 \let \RTLfootnote \RTLthanks
8172 \null\vfil
8173 \vskip 60\p@
8174 \begin{center}%
8175 {\LARGE \@title \par}%
8176 \vskip 3em%
8177 {\large
8178 \lineskip .75em%
8179 \begin{tabular}[t]{c}%
8180 \@author
8181 \end{tabular}\par}%
8182 \vskip 1.5em%
8183 {\large \@date \par}% % Set date in \large size.
8184 \end{center}\par
8185 \@thanks
8186 \vfil\null
8187 \end{titlepage}%
8188 \setcounter{footnote}{0}%
8189 \global\let\thanks\relax
8190 \global\let\LTRthanks\relax
8191 \global\let\RTLthanks\relax
8192 \global\let\maketitle\relax
8193 \global\let\@thanks\@empty
8194 \global\let\@author\@empty
8195 \global\let\@date\@empty

```



```

8196 \global\let\@title\@empty
8197 \global\let\title\relax
8198 \global\let\author\relax
8199 \global\let\date\relax
8200 \global\let\and\relax
8201 }
8202 \else
8203 \renewcommand\maketitle{\par
8204 \begin{group}
8205 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8206 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8207 \long\def\@makefnmark##1{\parindent 1em\noindent
8208 \hb@xt@1.8em{%
8209 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8210 \if@twocolumn
8211 \ifnum \col@number=\@ne
8212 \@maketitle
8213 \else
8214 \twocolumn[\@maketitle]%
8215 \fi
8216 \else
8217 \newpage
8218 \global\@topnum\z@ % Prevents figures from going at top of page.
8219 \@maketitle
8220 \fi
8221 \thispagestyle{plain}\@thanks
8222 \endgroup
8223 \setcounter{footnote}{0}%
8224 \global\let\thanks\relax
8225 \global\let\LTRthanks\relax
8226 \global\let\RTLthanks\relax
8227 \global\let\maketitle\relax
8228 \global\let\@maketitle\relax
8229 \global\let\@thanks\@empty
8230 \global\let\@author\@empty
8231 \global\let\@date\@empty
8232 \global\let\@title\@empty
8233 \global\let\title\relax
8234 \global\let\author\relax
8235 \global\let\date\relax
8236 \global\let\and\relax
8237 }
8238 \def\@maketitle{%
8239 \newpage
8240 \null
8241 \vskip 2em%
8242 \begin{center}%
8243 \let \footnote \thanks
8244 \let \LTRfootnote \LTRthanks
8245 \let \RTLfootnote \RTLthanks

```



```

8246 {\LARGE \@title \par}%
8247 \vskip 1.5em%
8248 {\large
8249 \lineskip .5em%
8250 \begin{tabular}[t]{c}%
8251 \@author
8252 \end{tabular}\par}%
8253 \vskip 1em%
8254 {\large \@date}%
8255 \end{center}%
8256 \par
8257 \vskip 1.5em}
8258 \fi
8259 \renewcommand*\l@part[2]{%
8260 \ifnum \c@tocdepth >-2\relax
8261 \addpenalty{-\@highpenalty}%
8262 \addvspace{2.25em \@plus\p@}%
8263 \begingroup
8264 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \pnumwidth
8265 \parfillskip -\pnumwidth
8266 {\leavevmode
8267 \large \bfseries #1\hfil \hb@xt@\pnumwidth{\hss #2}}\par
8268 \nobreak
8269 \global\@nobreaktrue
8270 \everypar{\global\@nobreakfalse\everypar{}}%
8271 \endgroup
8272 \fi}
8273 \renewcommand\theequation
8274 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8275 \renewcommand \thefigure
8276 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8277 \renewcommand \thetable
8278 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8279 \renewcommand \thechapter {\@arabic\c@chapter}
8280 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8281 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8282 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8283 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8284 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8285 \def\@makechapterhead#1{%
8286 \vspace*{50\p@}%
8287 {\parindent \z@ \ifRTL\raggedleft\else\raggedright\fi \normalfont
8288 \ifnum \c@secnumdepth >\m@ne
8289 \if@mainmatter
8290 \huge\bfseries \@chapapp\space \thechapter
8291 \par\nobreak
8292 \vskip 20\p@
8293 \fi
8294 \fi
8295 \interlinepenalty\@M

```



```

8296 \Huge \bfseries #1\par\nobreak
8297 \vskip 40\p@
8298 }}
8299
8300 \def\@makeschapterhead#1{%
8301 \vspace*{50\p@}%
8302 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8303 \normalfont
8304 \interlinepenalty\M
8305 \Huge \bfseries #1\par\nobreak
8306 \vskip 40\p@
8307 }}
8308 \renewcommand\backmatter{%
8309 \if@openright
8310 \cleardoublepage
8311 \else
8312 \clearpage
8313 \fi
8314 \@mainmatterfalse}
8315 \renewenvironment{thebibliography}[1]
8316 {\chapter*\bibname
8317 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8318 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8319 \bidi@thebibliography@font@hook%
8320 \list{\@biblabel{\@arabic\c@enumiv}}%
8321 {\settowidth\labelwidth{\@biblabel{#1}}%
8322 \leftmargin\labelwidth
8323 \advance\leftmargin\labelsep
8324 \@openbib@code
8325 \usecounter{enumiv}%
8326 \let\p@enumiv\@empty
8327 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8328 \sloppy
8329 \clubpenalty4000
8330 \@clubpenalty \clubpenalty
8331 \widowpenalty4000%
8332 \sfcode\.\@m}
8333 {\def\@noitemerr
8334 {\@latex@warning{Empty `thebibliography' environment}}%
8335 \endlist}

```

7.52 extletter-xetex-bidi.def

```

8336 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
8337 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
8338 \thispagestyle{firstpage}%
8339 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8340 \else % home address
8341 \thispagestyle{empty}%
8342 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces

```



```

8343 \fromaddress \*[2\parskip]%
8344 \@date \end{tabular}\par}%
8345 \fi
8346 \vspace{2\parskip}%
8347 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \toaddress \par}%
8348 \vspace{2\parskip}%
8349 #1\par\nobreak}
8350 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8351 \stopbreaks
8352 \noindent
8353 \ifx\@empty\fromaddress\else
8354 \hspace*{\longindentation}\fi
8355 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8356 \ignorespaces #1\ [6\medskipamount]}%
8357 \ifx\@empty\fromsig
8358 \fromname
8359 \else \fromsig \fi\strut}%
8360 \par}
8361 \renewcommand\left@footnoterule{%
8362 \kern-\p@
8363 \hrule \@width .4\columnwidth
8364 \kern .6\p@}
8365 \renewcommand\right@footnoterule{%
8366 \kern-\p@
8367 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8368 \kern .6\p@}

```

7.53 extrafootnotefeatures-xetex-bidi.def

```

8369 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2017/05/19 v1.1 bidi extra footnote featur
8370 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
8371 \if@bidi@csundef{ifHy@hyperfootnotes}{\}%
8372 \if@bidi@csundef{HLTR@LTRfootnotetext}{\}%
8373 \ifHy@hyperfootnotes
8374 \let\@H@footnotetext\@footnotetext
8375 \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
8376 \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
8377 \let\@H@mpfootnotetext\@mpfootnotetext
8378 \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
8379 \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8380 \fi
8381 }%
8382 }%
8383 }
8384 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
8385 \if@bidi@csundef{ifHy@hyperfootnotes}{\}%
8386 \if@bidi@csundef{HLTR@LTRfootnotetext}{\}%
8387 \ifHy@hyperfootnotes
8388 \let\H@footnotetext\@footnotetext
8389 \let\@footnotetext\@H@footnotetext

```



```

8390 \let\HLTR@LTRfootnotetext\LTRfootnotetext
8391 \let\@LTRfootnotetext\@HLTR@LTRfootnotetext
8392 \let\HRTL@RTLfootnotetext\RTLfootnotetext
8393 \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
8394 \let\H@mpfootnotetext\mpfootnotetext
8395 \let\@mpfootnotetext\@H@mpfootnotetext
8396 \let\HLTR@mpLTRfootnotetext\mpLTRfootnotetext
8397 \let\@mpLTRfootnotetext\@HLTR@mpLTRfootnotetext
8398 \let\HRTL@mpRTLfootnotetext\mpRTLfootnotetext
8399 \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
8400 \fi
8401 }%
8402 }%
8403 }
8404 \let\autofooterule\relax
8405 \let\rightfootnoterule\relax
8406 \let\leftfootnoterule\relax
8407 \let\textwidthfootnoterule\relax
8408 \let\LRfootnoterule\relax
8409 \def\footnoterule{\kern-3\p@
8410 \hrule \width \columnwidth \kern 2.6\p@}
8411 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
8412 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
8413 \renewcommand{\@footnotetext}[1]{%
8414 \insert\footins{%
8415 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8416 \def\baselinestretch{\m@m@footnote@spacing}%
8417 \reset@font
8418 \foottextfont
8419 \@preamfntext
8420 \hsize\columnwidth
8421 \protected@edef\@currentlabel{%
8422 \csname p@footnote\endcsname\@thefnmark}%
8423 \color@begingroup
8424 \@makefntext{%
8425 \rule{z@\footnotesep}{\ignorespaces\foottextfont #1}%
8426 \@finalstrut\strutbox}%
8427 \color@endgroup}%
8428 \m@mmf@prepare}
8429 \renewcommand{\@RTLfootnotetext}[1]{%
8430 \insert\footins{%
8431 \@RTLtrue%
8432 \def\baselinestretch{\m@m@footnote@spacing}%
8433 \reset@font
8434 \RTLfoottextfont
8435 \@preamfntext
8436 \hsize\columnwidth
8437 \protected@edef\@currentlabel{%
8438 \csname p@footnote\endcsname\@thefnmark}%
8439 \color@begingroup

```



```

8440 \makefntext{%
8441 \rule{z@footnotesep}{\ignorespaces{\RTLfoottextfont #1}%
8442 \@finalstrut\strutbox}%
8443 \color@endgroup}%
8444 \m@mmf@prepare}
8445 \renewcommand{\@LTRfootnotetext}[1]{%
8446 \insert\footins{%
8447 \@RTLfalse%
8448 \def\baselinestretch{\m@m@footnote@spacing}%
8449 \reset@font
8450 \LTRfoottextfont
8451 \@preamfntext
8452 \hsize\columnwidth
8453 \protected@edef\@currentlabel{%
8454 \csname p@footnote\endcsname\@thefnmark}%
8455 \color@begingroup
8456 \makefntext{%
8457 \rule{z@footnotesep}{\ignorespaces{\LTRfoottextfont #1}%
8458 \@finalstrut\strutbox}%
8459 \color@endgroup}%
8460 \m@mmf@prepare}
8461 \renewcommand{\@mpfootnotetext}[1]{%
8462 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8463 \unvbox\@mpfootins
8464 \def\baselinestretch{\m@m@footnote@spacing}%
8465 \foottextfont \hsize\columnwidth \@parboxrestore
8466 \protected@edef\@currentlabel{%
8467 \csname p@mpfootnote\endcsname\@thefnmark}%
8468 \color@begingroup
8469 \reset@font%
8470 \makefntext{%
8471 \rule{z@footnotesep}{\ignorespaces{\foottextfont #1}%
8472 \@finalstrut\strutbox}%
8473 \color@endgroup}}
8474 \renewcommand{\@mpLTRfootnotetext}[1]{%
8475 \global\setbox\@mpfootins\vbox{\@RTLfalse%
8476 \unvbox\@mpfootins
8477 \def\baselinestretch{\m@m@footnote@spacing}%
8478 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8479 \protected@edef\@currentlabel{%
8480 \csname p@mpfootnote\endcsname\@thefnmark}%
8481 \color@begingroup
8482 \reset@font%
8483 \makefntext{%
8484 \rule{z@footnotesep}{\ignorespaces{\LTRfoottextfont #1}%
8485 \@finalstrut\strutbox}%
8486 \color@endgroup}}
8487 \renewcommand{\@mpRTLfootnotetext}[1]{%
8488 \global\setbox\@mpfootins\vbox{\@RTLtrue%
8489 \unvbox\@mpfootins

```



```

8490 \def\baselinestretch{\m@m@footnote@spacing}%
8491 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8492 \protected@edef\@currentlabel{%
8493 \csname p@mpfootnote\endcsname\@thefnmark}%
8494 \color@begingroup
8495 \reset@font%
8496 \@makefnintext{%
8497 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8498 \@finalstrut\strutbox}%
8499 \color@endgroup}}
8500 \let\m@mold@footnotetext\@footnotetext
8501 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8502 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8503 \let\m@mold@mpfootnotetext\@mpfootnotetext
8504 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8505 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8506 \bidi@ensure@newcommand{\normalfootnotes}{%
8507 \@bidi@before@Hy@hyperfootnotes
8508 \let\@footnotetext\m@mold@footnotetext
8509 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8510 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8511 \let\@mpfootnotetext\m@mold@mpfootnotetext
8512 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8513 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
8514 \@bidi@after@Hy@hyperfootnotes}
8515 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8516 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestrue}
8517 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotestrue}
8518 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
8519 \def\m@m@singlespace{#1}%
8520 \def\m@m@footnote@spacing{#1}%
8521 \def\m@m@float@spacing{#1} %
8522 }
8523 \setSingleSpace{1}
8524 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
8525 \bidi@ensure@newcommand*{\m@m@mmf@prepare}{%
8526 \kern-\multiplefootnotemarker
8527 \kern\multiplefootnotemarker\relax}
8528 \bidi@ensure@newlength{\footmarkwidth}
8529 \bidi@ensure@newlength{\footmarksep}
8530 \bidi@ensure@newlength{\footparindent}
8531 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
8532 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8533 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8534 \bidi@ensure@newcommand{\footfootmark}{%
8535 \ifdim\footmarkwidth < \z@
8536 \llap{\hb@xt@ -\footmarkwidth{%
8537 \hss\normalfont\footscript{\@thefnmark}}}%
8538 \hspace*{-\footmarkwidth}}%
8539 \else

```



```

8540 \ifdim\footmarkwidth = \z@
8541   {\normalfont\footscript{\@thefnmark}}%
8542 \else
8543   \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8544 \fi
8545 \fi}
8546 \bidi@ensure@newcommand{\LTRfootfootmark}{%
8547 \ifdim\footmarkwidth < \z@
8548   \llap{\hb@xt@ -\footmarkwidth{%
8549     \hss\normalfont\LTRfootscript{\@thefnmark}}%
8550     \hspace*{-\footmarkwidth}}%
8551 \else
8552   \ifdim\footmarkwidth = \z@
8553     {\normalfont\LTRfootscript{\@thefnmark}}%
8554   \else
8555     \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
8556   \fi
8557 \fi}
8558 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8559 \ifdim\footmarkwidth < \z@
8560   \llap{\hb@xt@ -\footmarkwidth{%
8561     \hss\normalfont\RTLfootscript{\@thefnmark}}%
8562     \hspace*{-\footmarkwidth}}%
8563 \else
8564   \ifdim\footmarkwidth = \z@
8565     {\normalfont\RTLfootscript{\@thefnmark}}%
8566   \else
8567     \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
8568   \fi
8569 \fi}
8570 \footmarkstyle{\textsuperscript{#1}}
8571 \LTRfootmarkstyle{\textsuperscript{#1}}
8572 \RTLfootmarkstyle{\textsuperscript{#1}}
8573 \setlength{\footmarkwidth}{1em plus.4em minus.4em}
8574 \setlength{\footparindent}{1em}
8575 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
8576 \bidi@ensure@newcommand*{\extrafeetins}{%
8577   \setbox\@outputbox \vbox{%
8578     \boxmaxdepth \@maxdepth
8579     \unvbox\@outputbox
8580     \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8581     \extrafeetinshook}}
8582 \bidi@ensure@newcommand{\extrafeetinshook}{}
8583 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8584 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8585 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8586 \bidi@ensure@newlength{\footinsdim}
8587 \setlength{\footinsdim}{8in} % standard for \dimen\footins
8588 \bidi@ensure@newcommand{\@preamfntext}{%
8589 \interlinepenalty\interfootnotelinepenalty

```



```

8590 \floatingpenalty \@MM
8591 \splittopskip=\footnotesep
8592 \splitmaxdepth=\dp\strutbox
8593 \@parboxrestore}
8594 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
8595 \extrafeetminihook}
8596 \bidi@ensure@newcommand{\extrafeetendmini}{%
8597 \ifvoid\@mpfootinsv@r\else
8598 \vskip\skip\@mpfootins
8599 \normalcolor\footnoterule\mp@footgroupv@r
8600 \fi
8601 \extrafeetendminihook}
8602 \bidi@ensure@newcommand{\extrafeetendminihook}{}
8603 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
8604 \def\endminipage{%
8605 \par
8606 \unskip
8607 \ifvoid\@mpfootins\else
8608 \vskip\skip\@mpfootins
8609 \normalcolor
8610 \footnoterule
8611 \unvbox\@mpfootins
8612 \fi
8613 \m@mdoextrafeetendmini
8614 \@minipagefalse
8615 \color@endgroup
8616 \egroup
8617 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
8618 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8619 \@namedef{@footstart#1}{%
8620 \bidi@mopfn@bottom
8621 \vskip\bigskipamount
8622 \leftskip=\z@
8623 \rightskip=\z@
8624 \footnoterule}}
8625 \newinsert\footinsv@r
8626 \skip\footinsv@r\bigskipamount
8627 \count\footinsv@r=1000 % no magnification
8628 \dimen\footinsv@r=\footinsdim
8629 \m@make@footstart{v@r}
8630 \bidi@ensure@newcommand{\@footgroupv@r}{}
8631 \newinsert\@mpfootinsv@r
8632 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
8633 \newcount\m@m@k \newdimen\m@m@h
8634 \@ifpackageloaded{multicol}{%
8635 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8636 \hsize\textwidth
8637 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8638 \align{##}\vfill\cr\m@m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8639 }{ }

```



```

8640 \bidi@ensure@newcommand*{\m@rigrigidbodybalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8641 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8642 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8643 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8644 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8645 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
8646 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8647 \setbox2 \vsplit0 to \dimen0
8648 \unvbox2 }
8649 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8650 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8651 \@bidi@before@Hy@hyperfootnotes
8652 \let\@footnotetext\@twocolfootnotetext
8653 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8654 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8655 \dimen\footinsv@r=2\footinsdim
8656 \count\footinsv@r=500\relax
8657 \m@make@twocol@footgroup{v@r}%
8658 \let\@footgroupv@r\@twocol@footgroupv@r
8659 \let\@mpfootnotetext\@mptwocolfootnotetext
8660 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8661 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8662 \@bidi@after@Hy@hyperfootnotes
8663 \m@make@mptwocol@footgroup{v@r}%
8664 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
8665 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8666 \def\baselinestretch{\m@m@footnote@spacing}%
8667 \reset@font\foottextfont
8668 \@preamfntext
8669 \protected@edef\@currentlabel{%
8670 \csname p@footnote\endcsname\@thefnmark}%
8671 \color@begingroup
8672 \@twocolfootfmt{#1}%
8673 \color@endgroup}%
8674 \m@m@mf@prepare}
8675 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8676 \def\baselinestretch{\m@m@footnote@spacing}%
8677 \reset@font\LTRfoottextfont
8678 \@preamfntext
8679 \protected@edef\@currentlabel{%
8680 \csname p@footnote\endcsname\@thefnmark}%
8681 \color@begingroup
8682 \@twocolLTRfootfmt{#1}%
8683 \color@endgroup}%
8684 \m@m@mf@prepare}
8685 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8686 \def\baselinestretch{\m@m@footnote@spacing}%
8687 \reset@font\RTLfoottextfont
8688 \@preamfntext
8689 \protected@edef\@currentlabel{%

```



```

8690 \csname p@footnote\endcsname\@thefnmark}%
8691 \color@begingroup
8692 \@twocolRTLfootfmt{#1}%
8693 \color@endgroup}%
8694 \m@mmf@prepare}
8695 \bidi@ensure@newcommand{\@preamtwofmt}{%
8696 \hsize .45\hsize
8697 \parindent=\z@
8698 \tolerance=5000\relax
8699 \leavevmode}
8700 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8701 \@preamtwofmt
8702 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8703 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8704 \@preamtwofmt
8705 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8706 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8707 \@preamtwofmt
8708 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8709 \bidi@ensure@newcommand{\@emptwocolfootnotetext}[1]{%
8710 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8711 \unvbox\@mpfootinsv@r
8712 \def\baselinestretch{\m@m@footnote@spacing}%
8713 \reset@font\foottextfont
8714 \hsize\columnwidth \@parboxrestore
8715 \protected@edef\@currentlabel{%
8716 \csname p@mpfootnote\endcsname\@thefnmark}%
8717 \color@begingroup
8718 \@twocolfootfmt{#1}%
8719 \color@endgroup}%
8720 \m@mmf@prepare}
8721 \bidi@ensure@newcommand{\@emptwocolLTRfootnotetext}[1]{%
8722 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8723 \unvbox\@mpfootinsv@r
8724 \def\baselinestretch{\m@m@footnote@spacing}%
8725 \reset@font\LTRfoottextfont
8726 \hsize\columnwidth \@parboxrestore
8727 \if@RTLcolumnfootnotes\beginL\fi
8728 \protected@edef\@currentlabel{%
8729 \csname p@mpfootnote\endcsname\@thefnmark}%
8730 \color@begingroup
8731 \@twocolLTRfootfmt{#1}%
8732 \color@endgroup}%
8733 \m@mmf@prepare}
8734 \bidi@ensure@newcommand{\@emptwocolRTLfootnotetext}[1]{%
8735 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8736 \unvbox\@mpfootinsv@r
8737 \def\baselinestretch{\m@m@footnote@spacing}%
8738 \reset@font\RTLfoottextfont
8739 \hsize\columnwidth \@parboxrestore

```



```

8740 \protected@edef\@currentlabel{%
8741 \csname p@mpfootnote\endcsname\@thefnmark}%
8742 \color@begingroup
8743 \@twocolRTLfootfmt{#1}%
8744 \color@endgroup}%
8745 \m@mmf@prepare}
8746 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8747 \m@make@twocolfootnotetext{#1}%
8748 \m@make@mptwocolfootnotetext{#1}%
8749 \m@make@twocolfootfmt{#1}%
8750 \m@make@twocol@footgroup{#1}%
8751 \m@make@mptwocol@footgroup{#1}%
8752 \m@make@footstart{#1}%
8753 \bidi@namelongdef{\footnotetext#1}##1{%
8754 \@nameuse{\twocolfootnotetext#1}{##1}}%
8755 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8756 \@nameuse{\mptwocolfootnotetext#1}{##1}}%
8757 \@namedef{\footgroup#1}{\@nameuse{\twocol@footgroup#1}}%
8758 \@namedef{\mpfootgroup#1}{\@nameuse{\mptwocol@footgroup#1}}%
8759 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8760 \expandafter\count\csname footins#1\endcsname=500\relax}
8761 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8762 \bidi@namelongdef{\twocolfootnotetext#1}##1{%
8763 \insert\@nameuse{footins#1}{%
8764 \def\baselinestretch{\m@m@footnote@spacing}%
8765 \reset@font\@nameuse{foottextfont#1}%
8766 \@preamfntext
8767 \protected@edef\@currentlabel{%
8768 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8769 \color@begingroup
8770 \@nameuse{\twocolfootfmt#1}{##1}%
8771 \color@endgroup}%
8772 \m@mmf@prepare}}
8773 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8774 \bidi@namelongdef{\mptwocolfootnotetext#1}##1{%
8775 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
8776 \unvbox\@nameuse{\mpfootins#1}
8777 \def\baselinestretch{\m@m@footnote@spacing}%
8778 \reset@font\@nameuse{foottextfont#1}%
8779 \hsize\columnwidth \@parboxrestore
8780 \protected@edef\@currentlabel{%
8781 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
8782 \color@begingroup
8783 \@nameuse{\twocolfootfmt#1}{##1}%
8784 \color@endgroup}\m@mmf@prepare}}
8785 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8786 \@namedef{\twocolfootfmt#1}##1{%
8787 \@preamtwofmt
8788 {\@nameuse{footfootmark#1}\strut
8789 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}

```



```

8790 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8791   \@namedef{@twocol@footgroup#1}{%
8792     \def\baselinestretch{\m@m@footnote@spacing}%
8793     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8794     \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}%
8795 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
8796   \@namedef{@mptwocol@footgroup#1}{%
8797     \def\baselinestretch{\m@m@footnote@spacing}%
8798     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8799     \m@mrigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}%
8800 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8801   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8802   \@bidi@before@Hy@hyperfootnotes
8803   \let\@footnotetext\@threecolfootnotetext
8804   \let\@LTRfootnotetext\@threecolLTRfootnotetext
8805   \let\@RTLfootnotetext\@threecolRTLfootnotetext
8806   \dimen\footinsv@r=3\footinsdim
8807   \count\footinsv@r=333\relax
8808   \m@make@threecol@footgroup{v@r}%
8809   \let\@footgroupv@r\@threecol@footgroupv@r
8810   \let\@mpfootnotetext\@mpthreecolfootnotetext
8811   \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
8812   \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8813   \@bidi@after@Hy@hyperfootnotes
8814   \m@make@mpthreecol@footgroup{v@r}%
8815   \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
8816 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8817   \def\baselinestretch{\m@m@footnote@spacing}%
8818   \reset@font\foottextfont
8819   \@preamfntext
8820   \protected@edef\@currentlabel{%
8821     \csname p@footnote\endcsname\@thefnmark}%
8822   \color@begingroup
8823     \@threecolfootfmt{#1}%
8824   \color@endgroup}\m@mmf@prepare}
8825 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8826   \def\baselinestretch{\m@m@footnote@spacing}%
8827   \reset@font\LTRfoottextfont
8828   \@preamfntext
8829   \protected@edef\@currentlabel{%
8830     \csname p@footnote\endcsname\@thefnmark}%
8831   \color@begingroup
8832     \@threecolLTRfootfmt{#1}%
8833   \color@endgroup}\m@mmf@prepare}
8834 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8835   \def\baselinestretch{\m@m@footnote@spacing}%
8836   \reset@font\RTLfoottextfont
8837   \@preamfntext
8838   \protected@edef\@currentlabel{%
8839     \csname p@footnote\endcsname\@thefnmark}%

```



```

8840 \color@begingroup
8841 \@threecolRTLfootfmt{#1}%
8842 \color@endgroup}\m@mmf@prepare}
8843 \bidi@ensure@newcommand{\@preamthreelfmt}{%
8844 \hsize .3\hsize
8845 \parindent=\z@
8846 \tolerance=5000\relax
8847 \leavevmode}
8848 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
8849 \@preamthreelfmt
8850 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8851 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
8852 \@preamthreelfmt
8853 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8854 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
8855 \@preamthreelfmt
8856 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8857 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
8858 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8859 \unvbox\@mpfootinsv@r
8860 \def\baselinestretch{\m@m@footnote@spacing}%
8861 \reset@font\foottextfont
8862 \hsize\columnwidth \@parboxrestore
8863 \protected@edef\@currentlabel{%
8864 \csname p@mpfootnote\endcsname\@thefnmark}%
8865 \color@begingroup
8866 \@threecolfootfmt{#1}%
8867 \color@endgroup}\m@mmf@prepare}
8868 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
8869 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8870 \unvbox\@mpfootinsv@r
8871 \def\baselinestretch{\m@m@footnote@spacing}%
8872 \reset@font\LTRfoottextfont
8873 \hsize\columnwidth \@parboxrestore
8874 \if@RTLcolumnfootnotes\beginL\fi
8875 \protected@edef\@currentlabel{%
8876 \csname p@mpfootnote\endcsname\@thefnmark}%
8877 \color@begingroup
8878 \@threecolLTRfootfmt{#1}%
8879 \color@endgroup}\m@mmf@prepare}
8880 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
8881 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8882 \unvbox\@mpfootinsv@r
8883 \def\baselinestretch{\m@m@footnote@spacing}%
8884 \reset@font\RTLfoottextfont
8885 \hsize\columnwidth \@parboxrestore
8886 \protected@edef\@currentlabel{%
8887 \csname p@mpfootnote\endcsname\@thefnmark}%
8888 \color@begingroup
8889 \@threecolRTLfootfmt{#1}%

```



```

8890 \color@endgroup}\m@mmf@prepare}
8891 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
8892 \m@make@threecolfootnotetext{#1}%
8893 \m@make@mpthreecolfootnotetext{#1}%
8894 \m@make@threecolfootfmt{#1}%
8895 \m@make@threecol@footgroup{#1}%
8896 \m@make@mpthreecol@footgroup{#1}%
8897 \m@make@footstart{#1}%
8898 \bidi@namelongdef{\footnotetext#1}##1{%
8899 \@nameuse{\threecolfootnotetext#1}{##1}}%
8900 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8901 \@nameuse{\mpthreecolfootnotetext#1}{##1}}%
8902 \@namedef{\@footgroup#1}{\@nameuse{\threecol@footgroup#1}}%
8903 \@namedef{\mp@footgroup#1}{\@nameuse{\mpthreecol@footgroup#1}}%
8904 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
8905 \expandafter\count\csname footins#1\endcsname=333\relax}
8906 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
8907 \bidi@namelongdef{\threecolfootnotetext#1}##1{%
8908 \insert\@nameuse{footins#1}{%
8909 \def\baselinestretch{\m@m@footnote@spacing}%
8910 \reset@font\@nameuse{foottextfont#1}%
8911 \@preamfntext
8912 \protected@edef\@currentlabel{%
8913 \csname p@footnote#1\endcsname \@nameuse{\thefnmark#1}}%
8914 \color@begingroup
8915 \@nameuse{\threecolfootfmt#1}{##1}%
8916 \color@endgroup}\m@mmf@prepare}}
8917 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
8918 \bidi@namelongdef{\mpthreecolfootnotetext#1}##1{%
8919 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
8920 \unvbox\@nameuse{\mpfootins#1}
8921 \def\baselinestretch{\m@m@footnote@spacing}%
8922 \reset@font\@nameuse{foottextfont#1}%
8923 \hsize\columnwidth \@parboxrestore
8924 \protected@edef\@currentlabel{%
8925 \csname p@mpfootnote#1\endcsname\@nameuse{\thefnmark#1}}%
8926 \color@begingroup
8927 \@nameuse{\threecolfootfmt#1}{##1}%
8928 \color@endgroup}\m@mmf@prepare}}
8929 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
8930 \bidi@namelongdef{\threecolfootfmt#1}##1{%
8931 \@preamthreefmt
8932 {\@nameuse{footfootmark#1}\strut
8933 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8934 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
8935 \@namedef{\threecol@footgroup#1}{%
8936 \def\baselinestretch{\m@m@footnote@spacing}%
8937 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8938 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}%
8939 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%

```



```

8940 \@namedef{@mpthreecol@footgroup#1}{%
8941   \def\baselinestretch{\m@m@footnote@spacing}%
8942   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8943   \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}{\splittopskip}}}%
8944 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
8945   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8946   \@bidi@before@Hy@hyperfootnotes
8947   \let\@footnotetext\@fourcolfootnotetext
8948   \let\@LTRfootnotetext\@fourcolLTRfootnotetext
8949   \let\@RTLfootnotetext\@fourcolRTLfootnotetext
8950   \dimen\footinsv@r=4\footinsdim
8951   \count\footinsv@r=250\relax
8952   \m@make@fourcol@footgroup{v@r}%
8953   \let\@footgroupv@r\@fourcol@footgroupv@r
8954   \let\@mpfootnotetext\@mpfourcolfootnotetext
8955   \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
8956   \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
8957   \@bidi@after@Hy@hyperfootnotes
8958   \m@make@mpfourcol@footgroup{v@r}%
8959   \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
8960 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8961   \def\baselinestretch{\m@m@footnote@spacing}%
8962   \reset@font\foottextfont
8963   \@preamfntext
8964   \protected@edef\@currentlabel{%
8965     \csname p@footnote\endcsname\@thefnmark}%
8966   \color@begingroup
8967     \@fourcolfootfmt{#1}%
8968   \color@endgroup}%
8969   \m@mmf@prepare}
8970 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8971   \def\baselinestretch{\m@m@footnote@spacing}%
8972   \reset@font\LTRfoottextfont
8973   \@preamfntext
8974   \protected@edef\@currentlabel{%
8975     \csname p@footnote\endcsname\@thefnmark}%
8976   \color@begingroup
8977     \@fourcolLTRfootfmt{#1}%
8978   \color@endgroup}%
8979   \m@mmf@prepare}
8980 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8981   \def\baselinestretch{\m@m@footnote@spacing}%
8982   \reset@font\RTLfoottextfont
8983   \@preamfntext
8984   \protected@edef\@currentlabel{%
8985     \csname p@footnote\endcsname\@thefnmark}%
8986   \color@begingroup
8987     \@fourcolRTLfootfmt{#1}%
8988   \color@endgroup}%
8989   \m@mmf@prepare}

```



```

8990 \bidi@ensure@newcommand{\@preamfourfmt}{%
8991   \hsize .25\hsize
8992   \parindent=\z@
8993   \tolerance=5000\relax
8994   \leavevmode}
8995 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
8996   \@preamfourfmt
8997   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8998 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
8999   \@preamfourfmt
9000   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9001 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
9002   \@preamfourfmt
9003   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9004 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
9005   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9006     \unvbox\@mpfootinsv@r
9007     \def\baselinestretch{\m@m@footnote@spacing}%
9008     \reset@font\foottextfont
9009     \hsize\columnwidth \@parboxrestore
9010     \protected@edef\@currentlabel{%
9011       \csname p@mpfootnote\endcsname\@thefnmark}%
9012     \color@begingroup
9013       \@fourcolfootfmt{#1}%
9014     \color@endgroup}%
9015   \m@mmf@prepare}
9016 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
9017   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9018     \unvbox\@mpfootinsv@r
9019     \def\baselinestretch{\m@m@footnote@spacing}%
9020     \reset@font\LTRfoottextfont
9021     \hsize\columnwidth \@parboxrestore
9022     \if@RTLcolumnfootnotes\beginL\fi
9023     \protected@edef\@currentlabel{%
9024       \csname p@mpfootnote\endcsname\@thefnmark}%
9025     \color@begingroup
9026       \@fourcolLTRfootfmt{#1}%
9027     \color@endgroup}%
9028   \m@mmf@prepare}
9029 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
9030   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9031     \unvbox\@mpfootinsv@r
9032     \def\baselinestretch{\m@m@footnote@spacing}%
9033     \reset@font\RTLfoottextfont
9034     \hsize\columnwidth \@parboxrestore
9035     \protected@edef\@currentlabel{%
9036       \csname p@mpfootnote\endcsname\@thefnmark}%
9037     \color@begingroup
9038       \@fourcolRTLfootfmt{#1}%
9039     \color@endgroup}%

```



```

9040 \m@mmf@prepare}
9041 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
9042 \m@make@fourcolfootnotetext{#1}%
9043 \m@make@mpfourcolfootnotetext{#1}%
9044 \m@make@fourcolfootfmt{#1}%
9045 \m@make@fourcol@footgroup{#1}%
9046 \m@make@mpfourcol@footgroup{#1}%
9047 \m@make@footstart{#1}%
9048 \bidi@namelongdef{\footnotetext#1}##1{%
9049 \nameuse{\fourcolfootnotetext#1}{##1}}%
9050 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9051 \nameuse{\mpfourcolfootnotetext#1}{##1}}%
9052 \@namedef{\footgroup#1}{\nameuse{\fourcol@footgroup#1}}%
9053 \@namedef{\mp@footgroup#1}{\nameuse{\mpfourcol@footgroup#1}}%
9054 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9055 \expandafter\count\csname footins#1\endcsname=500\relax}
9056 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
9057 \bidi@namelongdef{\fourcolfootnotetext#1}##1{%
9058 \insert\@nameuse{footins#1}{%
9059 \def\baselinestretch{\m@m@footnote@spacing}%
9060 \reset@font\@nameuse{foottextfont#1}%
9061 \@preamfntext
9062 \protected@edef\@currentlabel{%
9063 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9064 \color@begingroup
9065 \@nameuse{\fourcolfootfmt#1}{##1}%
9066 \color@endgroup}%
9067 \m@mmf@prepare}}
9068 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
9069 \bidi@namelongdef{\mpfourcolfootnotetext#1}##1{%
9070 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9071 \unvbox\@nameuse{\mpfootins#1}
9072 \def\baselinestretch{\m@m@footnote@spacing}%
9073 \reset@font\@nameuse{foottextfont#1}%
9074 \hsize\columnwidth \@parboxrestore
9075 \protected@edef\@currentlabel{%
9076 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9077 \color@begingroup
9078 \@nameuse{\fourcolfootfmt#1}{##1}%
9079 \color@endgroup}\m@mmf@prepare}}
9080 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
9081 \@namedef{\fourcolfootfmt#1}##1{%
9082 \preamfourfmt
9083 {\@nameuse{footfootmark#1}\strut
9084 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9085 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
9086 \@namedef{\fourcol@footgroup#1}{%
9087 \def\baselinestretch{\m@m@footnote@spacing}%
9088 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9089 \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}

```



```

9090 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
9091 \@namedef{mpfourcol@footgroup#1}{%
9092 \def\baselinestretch{\m@m@footnote@spacing}%
9093 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9094 \m@mrigidbalance{\@nameuse{mpfootins#1}}{4}{\splittopskip}}}%
9095 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
9096 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9097 \@bidi@before@Hy@hyperfootnotes
9098 \let\@footnotetext\@fivecolfootnotetext
9099 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
9100 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
9101 \dimen\footinsv@r=5\footinsdim
9102 \count\footinsv@r=200\relax
9103 \m@make@fivecol@footgroup{v@r}%
9104 \let\@footgroupv@r\@fivecol@footgroupv@r
9105 \let\@mpfootnotetext\@mpfivecolfootnotetext
9106 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
9107 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
9108 \@bidi@after@Hy@hyperfootnotes
9109 \m@make@mpfivecol@footgroup{v@r}%
9110 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
9111 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9112 \def\baselinestretch{\m@m@footnote@spacing}%
9113 \reset@font\foottextfont
9114 \@preamfntext
9115 \protected@edef\@currentlabel{%
9116 \csname p@footnote\endcsname\@thefnmark}%
9117 \color@begingroup
9118 \@fivecolfootfmt{#1}%
9119 \color@endgroup}%
9120 \m@mmf@prepare}
9121 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9122 \def\baselinestretch{\m@m@footnote@spacing}%
9123 \reset@font\LTRfoottextfont
9124 \@preamfntext
9125 \protected@edef\@currentlabel{%
9126 \csname p@footnote\endcsname\@thefnmark}%
9127 \color@begingroup
9128 \@fivecolLTRfootfmt{#1}%
9129 \color@endgroup}%
9130 \m@mmf@prepare}
9131 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9132 \def\baselinestretch{\m@m@footnote@spacing}%
9133 \reset@font\RTLfoottextfont
9134 \@preamfntext
9135 \protected@edef\@currentlabel{%
9136 \csname p@footnote\endcsname\@thefnmark}%
9137 \color@begingroup
9138 \@fivecolRTLfootfmt{#1}%
9139 \color@endgroup}%

```



```

9140 \m@mmf@prepare}
9141 \bidi@ensure@newcommand{\@preamfivefmt}{%
9142 \hsize .2\hsize
9143 \parindent=\z@
9144 \tolerance=5000\relax
9145 \leavevmode}
9146 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
9147 \@preamfivefmt
9148 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9149 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
9150 \@preamfivefmt
9151 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9152 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
9153 \@preamfivefmt
9154 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9155 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
9156 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9157 \unvbox\@mpfootinsv@r
9158 \def\baselinestretch{\m@m@footnote@spacing}%
9159 \reset@font\foottextfont
9160 \hsize\columnwidth \@parboxrestore
9161 \protected@edef\@currentlabel{%
9162 \csname p@mpfootnote\endcsname\@thefnmark}%
9163 \color@begingroup
9164 \@fivecolfootfmt{#1}%
9165 \color@endgroup}%
9166 \m@mmf@prepare}
9167 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
9168 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9169 \unvbox\@mpfootinsv@r
9170 \def\baselinestretch{\m@m@footnote@spacing}%
9171 \reset@font\LTRfoottextfont
9172 \hsize\columnwidth \@parboxrestore
9173 \if@RTLcolumnfootnotes\beginL\fi
9174 \protected@edef\@currentlabel{%
9175 \csname p@mpfootnote\endcsname\@thefnmark}%
9176 \color@begingroup
9177 \@fivecolLTRfootfmt{#1}%
9178 \color@endgroup}%
9179 \m@mmf@prepare}
9180 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
9181 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9182 \unvbox\@mpfootinsv@r
9183 \def\baselinestretch{\m@m@footnote@spacing}%
9184 \reset@font\RTLfoottextfont
9185 \hsize\columnwidth \@parboxrestore
9186 \protected@edef\@currentlabel{%
9187 \csname p@mpfootnote\endcsname\@thefnmark}%
9188 \color@begingroup
9189 \@fivecolRTLfootfmt{#1}%

```



```

9190 \color@endgroup}%
9191 \m@mmf@prepare}
9192 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
9193 \m@make@fivecolfootnotetext{#1}%
9194 \m@make@mpfivecolfootnotetext{#1}%
9195 \m@make@fivecolfootfmt{#1}%
9196 \m@make@fivecol@footgroup{#1}%
9197 \m@make@mpfivecol@footgroup{#1}%
9198 \m@make@footstart{#1}%
9199 \bidi@namelongdef{@footnotetext#1}##1{%
9200 \nameuse{@fivecolfootnotetext#1}##1}%
9201 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9202 \nameuse{@mpfivecolfootnotetext#1}##1}%
9203 \@namedef{@footgroup#1}{\nameuse{@fivecol@footgroup#1}}%
9204 \@namedef{@mp@footgroup#1}{\nameuse{@mpfivecol@footgroup#1}}%
9205 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9206 \expandafter\count\csname footins#1\endcsname=500\relax}
9207 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
9208 \bidi@namelongdef{@fivecolfootnotetext#1}##1{%
9209 \insert\@nameuse{footins#1}{%
9210 \def\baselinestretch{\m@m@footnote@spacing}%
9211 \reset@font\@nameuse{foottextfont#1}%
9212 \@preamfntext
9213 \protected@edef\@currentlabel{%
9214 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9215 \color@begingroup
9216 \@nameuse{@fivecolfootfmt#1}##1}%
9217 \color@endgroup}%
9218 \m@mmf@prepare}}
9219 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
9220 \bidi@namelongdef{@mpfivecolfootnotetext#1}##1{%
9221 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9222 \unvbox\@nameuse{@mpfootins#1}
9223 \def\baselinestretch{\m@m@footnote@spacing}%
9224 \reset@font\@nameuse{foottextfont#1}%
9225 \hsize\columnwidth \@parboxrestore
9226 \protected@edef\@currentlabel{%
9227 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9228 \color@begingroup
9229 \@nameuse{@fivecolfootfmt#1}##1}%
9230 \color@endgroup}\m@mmf@prepare}}
9231 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
9232 \@namedef{@fivecolfootfmt#1}##1{%
9233 \@preamfivefmt
9234 {\@nameuse{footfootmark#1}\strut
9235 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9236 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
9237 \@namedef{@fivecol@footgroup#1}{%
9238 \def\baselinestretch{\m@m@footnote@spacing}%
9239 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

9240 \m@rigrigidbodybalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
9241 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
9242 \@namedef{@mpfivecol@footgroup#1}{%
9243 \def\baselinestretch{\m@m@footnote@spacing}%
9244 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9245 \m@rigrigidbodybalance{\@nameuse{mpfootins#1}}{5}{\splittopskip}}}}
9246 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
9247 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9248 \@bidi@before@Hy@hyperfootnotes
9249 \let\@footnotetext\@sixcolfootnotetext
9250 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
9251 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
9252 \dimen\footinsv@r=6\footinsdim
9253 \count\footinsv@r=166\relax
9254 \m@make@sixcol@footgroup{v@r}%
9255 \let\@footgroupv@r\@sixcol@footgroupv@r
9256 \let\@mpfootnotetext\@mpsixcolfootnotetext
9257 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
9258 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
9259 \@bidi@after@Hy@hyperfootnotes
9260 \m@make@mpsixcol@footgroup{v@r}%
9261 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
9262 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9263 \def\baselinestretch{\m@m@footnote@spacing}%
9264 \reset@font\foottextfont
9265 \@preamfntext
9266 \protected@edef\@currentlabel{%
9267 \csname p@footnote\endcsname\@thefnmark}%
9268 \color@begingroup
9269 \@sixcolfootfmt{#1}%
9270 \color@endgroup}%
9271 \m@mmf@prepare}
9272 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9273 \def\baselinestretch{\m@m@footnote@spacing}%
9274 \reset@font\LTRfoottextfont
9275 \@preamfntext
9276 \protected@edef\@currentlabel{%
9277 \csname p@footnote\endcsname\@thefnmark}%
9278 \color@begingroup
9279 \@sixcolLTRfootfmt{#1}%
9280 \color@endgroup}%
9281 \m@mmf@prepare}
9282 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9283 \def\baselinestretch{\m@m@footnote@spacing}%
9284 \reset@font\RTLfoottextfont
9285 \@preamfntext
9286 \protected@edef\@currentlabel{%
9287 \csname p@footnote\endcsname\@thefnmark}%
9288 \color@begingroup
9289 \@sixcolRTLfootfmt{#1}%

```



```

9290 \color@endgroup}%
9291 \m@mmf@prepare}
9292 \bidi@ensure@newcommand{\@preamsixfmt}{%
9293 \hspace .16\hspace
9294 \parindent=\z@
9295 \tolerance=5000\relax
9296 \leavevmode}
9297 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
9298 \@preamsixfmt
9299 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9300 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
9301 \@preamsixfmt
9302 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9303 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
9304 \@preamsixfmt
9305 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9306 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
9307 \global\setbox\@mpfootinsv@r\vbox{%
9308 \unvbox\@mpfootinsv@r
9309 \def\baselinestretch{\m@m@footnote@spacing}%
9310 \reset@font\foottextfont
9311 \hspace\columnwidth \@parboxrestore
9312 \protected@edef\@currentlabel{%
9313 \csname p@mpfootnote\endcsname\@thefnmark}%
9314 \color@begingroup
9315 \@sixcolfootfmt{#1}%
9316 \color@endgroup}%
9317 \m@mmf@prepare}
9318 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse}
9319 \global\setbox\@mpfootinsv@r\vbox{%
9320 \unvbox\@mpfootinsv@r
9321 \def\baselinestretch{\m@m@footnote@spacing}%
9322 \reset@font\LTRfoottextfont
9323 \hspace\columnwidth \@parboxrestore
9324 \if@RTLcolumnfootnotes\beginL\fi
9325 \protected@edef\@currentlabel{%
9326 \csname p@mpfootnote\endcsname\@thefnmark}%
9327 \color@begingroup
9328 \@sixcolLTRfootfmt{#1}%
9329 \color@endgroup}%
9330 \m@mmf@prepare}
9331 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue}
9332 \global\setbox\@mpfootinsv@r\vbox{%
9333 \unvbox\@mpfootinsv@r
9334 \def\baselinestretch{\m@m@footnote@spacing}%
9335 \reset@font\RTLfoottextfont
9336 \hspace\columnwidth \@parboxrestore
9337 \protected@edef\@currentlabel{%
9338 \csname p@mpfootnote\endcsname\@thefnmark}%
9339 \color@begingroup

```



```

9340 \sixcolRTLfootfmt{#1}%
9341 \color@endgroup}%
9342 \m@mmf@prepare}
9343 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
9344 \m@make@sixcolfootnotetext{#1}%
9345 \m@make@mpsixcolfootnotetext{#1}%
9346 \m@make@sixcolfootfmt{#1}%
9347 \m@make@sixcol@footgroup{#1}%
9348 \m@make@mpsixcol@footgroup{#1}%
9349 \m@make@footstart{#1}%
9350 \bidi@namelongdef{@footnotetext#1}##1{%
9351 \nameuse{@sixcolfootnotetext#1}{##1}}%
9352 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9353 \nameuse{@mpsixcolfootnotetext#1}{##1}}%
9354 \namedef{@footgroup#1}{\nameuse{@sixcol@footgroup#1}}%
9355 \namedef{@mp@footgroup#1}{\nameuse{@mpsixcol@footgroup#1}}%
9356 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9357 \expandafter\count\csname footins#1\endcsname=500\relax}
9358 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
9359 \bidi@namelongdef{@sixcolfootnotetext#1}##1{%
9360 \insert\nameuse{footins#1}{%
9361 \def\baselinestretch{\m@mm@footnote@spacing}%
9362 \reset@font\nameuse{foottextfont#1}%
9363 \@preamfntext
9364 \protected@edef\@currentlabel{%
9365 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
9366 \color@begingroup
9367 \nameuse{@sixcolfootfmt#1}{##1}%
9368 \color@endgroup}%
9369 \m@mmf@prepare}}
9370 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
9371 \bidi@namelongdef{@mpsixcolfootnotetext#1}##1{%
9372 \global\setbox\nameuse{@mpfootins#1}\vbox{%
9373 \unvbox\nameuse{@mpfootins#1}
9374 \def\baselinestretch{\m@mm@footnote@spacing}%
9375 \reset@font\nameuse{foottextfont#1}%
9376 \hsize\columnwidth \parboxrestore
9377 \protected@edef\@currentlabel{%
9378 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
9379 \color@begingroup
9380 \nameuse{@sixcolfootfmt#1}{##1}%
9381 \color@endgroup}\m@mmf@prepare}}
9382 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
9383 \namedef{@sixcolfootfmt#1}##1{%
9384 \@preamsixfmt
9385 {\nameuse{footfootmark#1}\strut
9386 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9387 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9388 \namedef{@sixcol@footgroup#1}{%
9389 \def\baselinestretch{\m@mm@footnote@spacing}%

```



```

9390 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9391 \m@mrigidbalance{\nameuse{footins#1}}{6}{\splittopskip}}}}
9392 \bidi@ensure@newcommand{\m@make@mpsixel@footgroup}[1]{%
9393 \namedef{@mpsixel@footgroup#1}{%
9394 \def\baselinestretch{\m@m@footnote@spacing}%
9395 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9396 \m@mrigidbalance{\nameuse{mpfootins#1}}{6}{\splittopskip}}}}
9397 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9398 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9399 \@bidi@before@Hy@hyperfootnotes
9400 \let\@footnotetext\@sevendcolfootnotetext
9401 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9402 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9403 \dimen\footinsv@r=7\footinsdim
9404 \count\footinsv@r=142\relax
9405 \m@make@sevendcol@footgroup{v@r}%
9406 \let\@footgroupv@r\@sevendcol@footgroupv@r
9407 \let\@mpfootnotetext\@mpsevendcolfootnotetext
9408 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9409 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9410 \@bidi@after@Hy@hyperfootnotes
9411 \m@make@mpsevendcol@footgroup{v@r}%
9412 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}
9413 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9414 \def\baselinestretch{\m@m@footnote@spacing}%
9415 \reset@font\foottextfont
9416 \@preamfntext
9417 \protected@edef\@currentlabel{%
9418 \csname p@footnote\endcsname\@thefnmark}%
9419 \color@begingroup
9420 \@sevendcolfootfmt{#1}%
9421 \color@endgroup}%
9422 \m@mmf@prepare}
9423 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9424 \def\baselinestretch{\m@m@footnote@spacing}%
9425 \reset@font\LTRfoottextfont
9426 \@preamfntext
9427 \protected@edef\@currentlabel{%
9428 \csname p@footnote\endcsname\@thefnmark}%
9429 \color@begingroup
9430 \@sevendcolLTRfootfmt{#1}%
9431 \color@endgroup}%
9432 \m@mmf@prepare}
9433 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9434 \def\baselinestretch{\m@m@footnote@spacing}%
9435 \reset@font\RTLfoottextfont
9436 \@preamfntext
9437 \protected@edef\@currentlabel{%
9438 \csname p@footnote\endcsname\@thefnmark}%
9439 \color@begingroup

```



```

9440 \sevendcolRTLfootfmt{#1}%
9441 \color@endgroup}%
9442 \m@mmf@prepare}
9443 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9444 \hsize .142\hsize
9445 \parindent=\z@
9446 \tolerance=5000\relax
9447 \leavevmode}
9448 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
9449 \@preamsevenfmt
9450 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9451 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
9452 \@preamsevenfmt
9453 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9454 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
9455 \@preamsevenfmt
9456 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9457 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9458 \global\setbox\@mpfootinsv@r\vbox{%
9459 \unvbox\@mpfootinsv@r
9460 \def\baselinestretch{\m@m@footnote@spacing}%
9461 \reset@font\foottextfont
9462 \hsize\columnwidth \@parboxrestore
9463 \protected@edef\@currentlabel{%
9464 \csname p@mpfootnote\endcsname\@thefnmark}%
9465 \color@begingroup
9466 \@sevendcolfootfmt{#1}%
9467 \color@endgroup}%
9468 \m@mmf@prepare}
9469 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{\@RTLfalse%
9470 \global\setbox\@mpfootinsv@r\vbox{%
9471 \unvbox\@mpfootinsv@r
9472 \def\baselinestretch{\m@m@footnote@spacing}%
9473 \reset@font\LTRfoottextfont
9474 \hsize\columnwidth \@parboxrestore
9475 \if@RTLcolumnfootnotes\beginL\fi
9476 \protected@edef\@currentlabel{%
9477 \csname p@mpfootnote\endcsname\@thefnmark}%
9478 \color@begingroup
9479 \@sevendcolLTRfootfmt{#1}%
9480 \color@endgroup}%
9481 \m@mmf@prepare}
9482 \bidi@ensure@newcommand{\@mpsevendcolRTLfootnotetext}[1]{\@RTLtrue%
9483 \global\setbox\@mpfootinsv@r\vbox{%
9484 \unvbox\@mpfootinsv@r
9485 \def\baselinestretch{\m@m@footnote@spacing}%
9486 \reset@font\RTLfoottextfont
9487 \hsize\columnwidth \@parboxrestore
9488 \protected@edef\@currentlabel{%
9489 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

9490 \color@begingroup
9491 \sevenscolRTLfootfmt{#1}%
9492 \color@endgroup}%
9493 \mmf@prepare}
9494 \bidi@ensure@newcommand{\sevenscolumnfootstyle}[1]{%
9495 \m@make@sevenscolfootnotetext{#1}%
9496 \m@make@mpsevenscolfootnotetext{#1}%
9497 \m@make@sevenscolfootfmt{#1}%
9498 \m@make@sevenscol@footgroup{#1}%
9499 \m@make@mpsevenscol@footgroup{#1}%
9500 \m@make@footstart{#1}%
9501 \bidi@namelongdef{\footnotetext#1}##1{%
9502 \nameuse{@sevenscolfootnotetext#1}{##1}}%
9503 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9504 \nameuse{@mpsevenscolfootnotetext#1}{##1}}%
9505 \namedef{\footgroup#1}{\nameuse{@sevenscol@footgroup#1}}%
9506 \namedef{\mp@footgroup#1}{\nameuse{@mpsevenscol@footgroup#1}}%
9507 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9508 \expandafter\count\csname footins#1\endcsname=500\relax}
9509 \bidi@ensure@newcommand{\m@make@sevenscolfootnotetext}[1]{%
9510 \bidi@namelongdef{\sevenscolfootnotetext#1}##1{%
9511 \insert\nameuse{footins#1}{%
9512 \def\baselinestretch{\m@m@footnote@spacing}%
9513 \reset@font\nameuse{foottextfont#1}%
9514 \@preamfntext
9515 \protected@edef\currentlabel{%
9516 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
9517 \color@begingroup
9518 \nameuse{@sevenscolfootfmt#1}{##1}%
9519 \color@endgroup}%
9520 \mmf@prepare}}
9521 \bidi@ensure@newcommand{\m@make@mpsevenscolfootnotetext}[1]{%
9522 \bidi@namelongdef{\mpsevenscolfootnotetext#1}##1{%
9523 \global\setbox\nameuse{@mpfootins#1}\vbox{%
9524 \unvbox\nameuse{@mpfootins#1}
9525 \def\baselinestretch{\m@m@footnote@spacing}%
9526 \reset@font\nameuse{foottextfont#1}%
9527 \hsize\columnwidth \@parboxrestore
9528 \protected@edef\currentlabel{%
9529 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
9530 \color@begingroup
9531 \nameuse{@sevenscolfootfmt#1}{##1}%
9532 \color@endgroup}\mmf@prepare}}
9533 \bidi@ensure@newcommand{\m@make@sevenscolfootfmt}[1]{%
9534 \namedef{\sevenscolfootfmt#1}##1{%
9535 \@preamsevenfmt
9536 {\nameuse{footfootmark#1}\strut
9537 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9538 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
9539 \namedef{\sevenscol@footgroup#1}{%

```



```

9540 \def\baselinestretch{\m@m@footnote@spacing}%
9541 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9542 \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
9543 \bidi@ensure@newcommand{\m@make@mpsevencol@footgroup}[1]{%
9544 \@namedef{@mpsevencol@footgroup#1}{%
9545 \def\baselinestretch{\m@m@footnote@spacing}%
9546 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9547 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
9548 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9549 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9550 \@bidi@before@Hy@hyperfootnotes
9551 \let\@footnotetext\@eightcolfootnotetext
9552 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9553 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9554 \dimen\footinsv@r=8\footinsdim
9555 \count\footinsv@r=125\relax
9556 \m@make@eightcol@footgroup{v@r}%
9557 \let\@footgroupv@r\@eightcol@footgroupv@r
9558 \let\@mpfootnotetext\@mpeightcolfootnotetext
9559 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9560 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9561 \@bidi@after@Hy@hyperfootnotes
9562 \m@make@mpeightcol@footgroup{v@r}%
9563 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
9564 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9565 \def\baselinestretch{\m@m@footnote@spacing}%
9566 \reset@font\foottextfont
9567 \@preamfntext
9568 \protected@edef\@currentlabel{%
9569 \csname p@footnote\endcsname\@thefnmark}%
9570 \color@begingroup
9571 \@eightcolfootfmt{#1}%
9572 \color@endgroup}%
9573 \m@m@mmf@prepare}
9574 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9575 \def\baselinestretch{\m@m@footnote@spacing}%
9576 \reset@font\LTRfoottextfont
9577 \@preamfntext
9578 \protected@edef\@currentlabel{%
9579 \csname p@footnote\endcsname\@thefnmark}%
9580 \color@begingroup
9581 \@eightcolLTRfootfmt{#1}%
9582 \color@endgroup}%
9583 \m@m@mmf@prepare}
9584 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9585 \def\baselinestretch{\m@m@footnote@spacing}%
9586 \reset@font\RTLfoottextfont
9587 \@preamfntext
9588 \protected@edef\@currentlabel{%
9589 \csname p@footnote\endcsname\@thefnmark}%

```



```

9590 \color@begingroup
9591 \@eightcolRTLfootfmt{#1}%
9592 \color@endgroup}%
9593 \m@mmf@prepare}
9594 \bidi@ensure@newcommand{\@preameightfmt}{%
9595 \hspace{.125\hspace}
9596 \parindent=\z@
9597 \tolerance=5000\relax
9598 \leavevmode}
9599 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9600 \@preameightfmt
9601 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9602 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9603 \@preameightfmt
9604 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9605 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9606 \@preameightfmt
9607 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9608 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9609 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9610 \unvbox\@mpfootinsv@r
9611 \def\baselinestretch{\m@m@footnote@spacing}%
9612 \reset@font\foottextfont
9613 \hspace\columnwidth \@parboxrestore
9614 \protected@edef\@currentlabel{%
9615 \csname p@mpfootnote\endcsname\@thefnmark}%
9616 \color@begingroup
9617 \@eightcolfootfmt{#1}%
9618 \color@endgroup}%
9619 \m@mmf@prepare}
9620 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9621 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9622 \unvbox\@mpfootinsv@r
9623 \def\baselinestretch{\m@m@footnote@spacing}%
9624 \reset@font\LTRfoottextfont
9625 \hspace\columnwidth \@parboxrestore
9626 \if@RTLcolumnfootnotes\beginL\fi
9627 \protected@edef\@currentlabel{%
9628 \csname p@mpfootnote\endcsname\@thefnmark}%
9629 \color@begingroup
9630 \@eightcolLTRfootfmt{#1}%
9631 \color@endgroup}%
9632 \m@mmf@prepare}
9633 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9634 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9635 \unvbox\@mpfootinsv@r
9636 \def\baselinestretch{\m@m@footnote@spacing}%
9637 \reset@font\RTLfoottextfont
9638 \hspace\columnwidth \@parboxrestore
9639 \protected@edef\@currentlabel{%

```



```

9640      \csname p@mpfootnote\endcsname\@thefnmark}%
9641      \color@begingroup
9642      \@eightcolRTLfootfmt{#1}%
9643      \color@endgroup}%
9644      \m@mmf@prepare}
9645 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
9646   \m@make@eightcolfootnotetext{#1}%
9647   \m@make@mp@eightcolfootnotetext{#1}%
9648   \m@make@eightcolfootfmt{#1}%
9649   \m@make@eightcol@footgroup{#1}%
9650   \m@make@mp@eightcol@footgroup{#1}%
9651   \m@make@footstart{#1}%
9652   \bidi@namelongdef{\footnotetext#1}##1{%
9653     \@nameuse{\@eightcolfootnotetext#1}{##1}}%
9654   \bidi@namelongdef{\mpfootnotetext#1}##1{%
9655     \@nameuse{\mp@eightcolfootnotetext#1}{##1}}%
9656   \@namedef{\@footgroup#1}{\@nameuse{\@eightcol@footgroup#1}}%
9657   \@namedef{\mp@footgroup#1}{\@nameuse{\mp@eightcol@footgroup#1}}%
9658   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9659   \expandafter\count\csname footins#1\endcsname=500\relax}
9660 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9661   \bidi@namelongdef{\@eightcolfootnotetext#1}##1{%
9662     \insert\@nameuse{footins#1}{%
9663       \def\baselinestretch{\m@m@footnote@spacing}%
9664       \reset@font\@nameuse{foottextfont#1}%
9665       \@preamfntext
9666       \protected@edef\@currentlabel{%
9667         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9668       \color@begingroup
9669       \@nameuse{\@eightcolfootfmt#1}{##1}%
9670       \color@endgroup}%
9671       \m@mmf@prepare}}}
9672 \bidi@ensure@newcommand{\m@make@mp@eightcolfootnotetext}[1]{%
9673 \bidi@namelongdef{\mp@eightcolfootnotetext#1}##1{%
9674   \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9675     \unvbox\@nameuse{\mpfootins#1}
9676     \def\baselinestretch{\m@m@footnote@spacing}%
9677     \reset@font\@nameuse{foottextfont#1}%
9678     \hsize\columnwidth \@parboxrestore
9679     \protected@edef\@currentlabel{%
9680       \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9681     \color@begingroup
9682     \@nameuse{\@eightcolfootfmt#1}{##1}%
9683     \color@endgroup}\m@mmf@prepare}}
9684 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9685   \@namedef{\@eightcolfootfmt#1}##1{%
9686     \@preameightfmt
9687     {\@nameuse{footfootmark#1}\strut
9688      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9689 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%

```



```

9690 \namedef{@eightcol@footgroup#1}{%
9691 \def\baselinestretch{\m@m@footnote@spacing}%
9692 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9693 \m@r@rigidbalance{\nameuse{footins#1}}{8}{\splittopskip}}}%
9694 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9695 \namedef{@eightcol@footgroup#1}{%
9696 \def\baselinestretch{\m@m@footnote@spacing}%
9697 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9698 \m@r@rigidbalance{\nameuse{mpfootins#1}}{8}{\splittopskip}}}%
9699 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
9700 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9701 \@bidi@before@Hy@hyperfootnotes
9702 \let\@footnotetext\@ninecolfootnotetext
9703 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9704 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9705 \dimen\footinsv@r=9\footinsdim
9706 \count\footinsv@r=111\relax
9707 \m@make@ninecol@footgroup{v@r}%
9708 \let\@footgroupv@r\@ninecol@footgroupv@r
9709 \let\@mpfootnotetext\@mpninecolfootnotetext
9710 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9711 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9712 \@bidi@after@Hy@hyperfootnotes
9713 \m@make@mpninecol@footgroup{v@r}%
9714 \let\mp@footgroupv@r\@mpninecol@footgroupv@r
9715 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9716 \def\baselinestretch{\m@m@footnote@spacing}%
9717 \reset@font\foottextfont
9718 \@preamfntext
9719 \protected@edef\@currentlabel{%
9720 \csname p@footnote\endcsname\@thefnmark}%
9721 \color@begingroup
9722 \@ninecolfootfmt{#1}%
9723 \color@endgroup}%
9724 \m@m@mf@prepare}
9725 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9726 \def\baselinestretch{\m@m@footnote@spacing}%
9727 \reset@font\LTRfoottextfont
9728 \@preamfntext
9729 \protected@edef\@currentlabel{%
9730 \csname p@footnote\endcsname\@thefnmark}%
9731 \color@begingroup
9732 \@ninecolLTRfootfmt{#1}%
9733 \color@endgroup}%
9734 \m@m@mf@prepare}
9735 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9736 \def\baselinestretch{\m@m@footnote@spacing}%
9737 \reset@font\RTLfoottextfont
9738 \@preamfntext
9739 \protected@edef\@currentlabel{%

```



```

9740 \csname p@footnote\endcsname\@thefnmark}%
9741 \color@begingroup
9742 \@ninecolRTLfootfmt{#1}%
9743 \color@endgroup}%
9744 \m@mmf@prepare}
9745 \bidi@ensure@newcommand{\@preamninefmt}{%
9746 \hspace{.1\hspace}
9747 \parindent=\z@
9748 \tolerance=5000\relax
9749 \leavevmode}
9750 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9751 \@preamninefmt
9752 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9753 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9754 \@preamninefmt
9755 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9756 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9757 \@preamninefmt
9758 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9759 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9760 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9761 \unvbox\@mpfootinsv@r
9762 \def\baselinestretch{\m@m@footnote@spacing}%
9763 \reset@font\foottextfont
9764 \hspace\columnwidth \@parboxrestore
9765 \protected@edef\@currentlabel{%
9766 \csname p@mpfootnote\endcsname\@thefnmark}%
9767 \color@begingroup
9768 \@ninecolfootfmt{#1}%
9769 \color@endgroup}%
9770 \m@mmf@prepare}
9771 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9772 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9773 \unvbox\@mpfootinsv@r
9774 \def\baselinestretch{\m@m@footnote@spacing}%
9775 \reset@font\LTRfoottextfont
9776 \hspace\columnwidth \@parboxrestore
9777 \if@RTLcolumnfootnotes\beginL\fi
9778 \protected@edef\@currentlabel{%
9779 \csname p@mpfootnote\endcsname\@thefnmark}%
9780 \color@begingroup
9781 \@ninecolLTRfootfmt{#1}%
9782 \color@endgroup}%
9783 \m@mmf@prepare}
9784 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9785 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9786 \unvbox\@mpfootinsv@r
9787 \def\baselinestretch{\m@m@footnote@spacing}%
9788 \reset@font\RTLfoottextfont
9789 \hspace\columnwidth \@parboxrestore

```



```

9790 \protected@edef\@currentlabel{%
9791 \csname p@mpfootnote\endcsname\@thefnmark}%
9792 \color@begingroup
9793 \@ninecolRTLfootfmt{#1}%
9794 \color@endgroup}%
9795 \m@mmf@prepare}
9796 \bidi@ensure@newcommand{\ninecolumnfootstyle}[1]{%
9797 \m@make@ninecolfootnotetext{#1}%
9798 \m@make@mpninecolfootnotetext{#1}%
9799 \m@make@ninecolfootfmt{#1}%
9800 \m@make@ninecol@footgroup{#1}%
9801 \m@make@mpninecol@footgroup{#1}%
9802 \m@make@footstart{#1}%
9803 \bidi@namelongdef{\footnotetext#1}##1{%
9804 \@nameuse{\@ninecolfootnotetext#1}{##1}}%
9805 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9806 \@nameuse{\@mpninecolfootnotetext#1}{##1}}%
9807 \@namedef{\@footgroup#1}{\@nameuse{\@ninecol@footgroup#1}}%
9808 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpninecol@footgroup#1}}%
9809 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9810 \expandafter\count\csname footins#1\endcsname=500\relax}
9811 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
9812 \bidi@namelongdef{\@ninecolfootnotetext#1}##1{%
9813 \insert\@nameuse{footins#1}{%
9814 \def\baselinestretch{\m@m@footnote@spacing}%
9815 \reset@font\@nameuse{foottextfont#1}%
9816 \@preamfntext
9817 \protected@edef\@currentlabel{%
9818 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9819 \color@begingroup
9820 \@nameuse{\@ninecolfootfmt#1}{##1}%
9821 \color@endgroup}%
9822 \m@mmf@prepare}}
9823 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
9824 \bidi@namelongdef{\@mpninecolfootnotetext#1}##1{%
9825 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9826 \unvbox\@nameuse{\mpfootins#1}
9827 \def\baselinestretch{\m@m@footnote@spacing}%
9828 \reset@font\@nameuse{foottextfont#1}%
9829 \hsize\columnwidth \@parboxrestore
9830 \protected@edef\@currentlabel{%
9831 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9832 \color@begingroup
9833 \@nameuse{\@ninecolfootfmt#1}{##1}%
9834 \color@endgroup}\m@mmf@prepare}}
9835 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
9836 \@namedef{\@ninecolfootfmt#1}##1{%
9837 \@preamninefmt
9838 {\@nameuse{footfootmark#1}\strut
9839 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}

```



```

9840 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
9841   \@namedef{@ninecol@footgroup#1}{%
9842     \def\baselinestretch{\m@m@footnote@spacing}%
9843     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9844     \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
9845 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
9846   \@namedef{@mpninecol@footgroup#1}{%
9847     \def\baselinestretch{\m@m@footnote@spacing}%
9848     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9849     \m@mrigidbalance{\@nameuse{mpfootins#1}}{9}{\splittopskip}}}%
9850 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
9851   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9852   \@bidi@before@Hy@hyperfootnotes
9853   \let\@footnotetext\@tencolfootnotetext
9854   \let\@LTRfootnotetext\@tencolLTRfootnotetext
9855   \let\@RTLfootnotetext\@tencolRTLfootnotetext
9856   \dimen\footinsv@r=10\footinsdim
9857   \count\footinsv@r=100\relax
9858   \m@make@tencol@footgroup{v@r}%
9859   \let\@footgroupv@r\@tencol@footgroupv@r
9860   \let\@mpfootnotetext\@mptencolfootnotetext
9861   \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
9862   \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
9863   \@bidi@after@Hy@hyperfootnotes
9864   \m@make@mptencol@footgroup{v@r}%
9865   \let\mp@footgroupv@r\@mptencol@footgroupv@r}
9866 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9867   \def\baselinestretch{\m@m@footnote@spacing}%
9868   \reset@font\foottextfont
9869   \@preamfntext
9870   \protected@edef\@currentlabel{%
9871     \csname p@footnote\endcsname\@thefnmark}%
9872   \color@begingroup
9873     \@tencolfootfmt{#1}%
9874   \color@endgroup}%
9875   \m@mmf@prepare}
9876 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9877   \def\baselinestretch{\m@m@footnote@spacing}%
9878   \reset@font\LTRfoottextfont
9879   \@preamfntext
9880   \protected@edef\@currentlabel{%
9881     \csname p@footnote\endcsname\@thefnmark}%
9882   \color@begingroup
9883     \@tencolLTRfootfmt{#1}%
9884   \color@endgroup}%
9885   \m@mmf@prepare}
9886 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9887   \def\baselinestretch{\m@m@footnote@spacing}%
9888   \reset@font\RTLfoottextfont
9889   \@preamfntext

```



```

9890 \protected@edef\@currentlabel{%
9891   \csname p@footnote\endcsname\@thefnmark}%
9892 \color@begingroup
9893   \@tencolRTLfootfmt{#1}%
9894 \color@endgroup}%
9895 \m@mmf@prepare}
9896 \bidi@ensure@newcommand{\@preamtenfmt}{%
9897   \hsize .1\hsize
9898   \parindent=\z@
9899   \tolerance=5000\relax
9900   \leavevmode}
9901 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
9902   \@preamtenfmt
9903   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9904 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
9905   \@preamtenfmt
9906   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9907 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
9908   \@preamtenfmt
9909   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9910 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
9911   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9912     \unvbox\@mpfootinsv@r
9913     \def\baselinestretch{\m@m@footnote@spacing}%
9914     \reset@font\foottextfont
9915     \hsize\columnwidth \@parboxrestore
9916     \protected@edef\@currentlabel{%
9917       \csname p@mpfootnote\endcsname\@thefnmark}%
9918     \color@begingroup
9919       \@tencolfootfmt{#1}%
9920     \color@endgroup}%
9921     \m@mmf@prepare}
9922 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
9923   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9924     \unvbox\@mpfootinsv@r
9925     \def\baselinestretch{\m@m@footnote@spacing}%
9926     \reset@font\LTRfoottextfont
9927     \hsize\columnwidth \@parboxrestore
9928     \if@RTLcolumnfootnotes\beginL\fi
9929     \protected@edef\@currentlabel{%
9930       \csname p@mpfootnote\endcsname\@thefnmark}%
9931     \color@begingroup
9932       \@tencolLTRfootfmt{#1}%
9933     \color@endgroup}%
9934     \m@mmf@prepare}
9935 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
9936   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9937     \unvbox\@mpfootinsv@r
9938     \def\baselinestretch{\m@m@footnote@spacing}%
9939     \reset@font\RTLfoottextfont

```



```

9940 \hsize\columnwidth \@parboxrestore
9941 \protected@edef\@currentlabel{%
9942 \csname p@mpfootnote\endcsname\@thefnmark}%
9943 \color@begingroup
9944 \@tencolRTLfootfmt{#1}%
9945 \color@endgroup}%
9946 \m@mmf@prepare}
9947 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
9948 \m@make@tencolfootnotetext{#1}%
9949 \m@make@mptencolfootnotetext{#1}%
9950 \m@make@tencolfootfmt{#1}%
9951 \m@make@tencol@footgroup{#1}%
9952 \m@make@mptencol@footgroup{#1}%
9953 \m@make@footstart{#1}%
9954 \bidi@namelongdef{\footnotetext#1}##1{%
9955 \nameuse{\tencolfootnotetext#1}{##1}}%
9956 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9957 \nameuse{\mptencolfootnotetext#1}{##1}}%
9958 \@namedef{\footgroup#1}{\nameuse{\tencol@footgroup#1}}%
9959 \@namedef{\mpfootgroup#1}{\nameuse{\mptencol@footgroup#1}}%
9960 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9961 \expandafter\count\csname footins#1\endcsname=500\relax}
9962 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
9963 \bidi@namelongdef{\tencolfootnotetext#1}##1{%
9964 \insert\nameuse{footins#1}{%
9965 \def\baselinestretch{\m@m@footnote@spacing}%
9966 \reset@font\nameuse{foottextfont#1}%
9967 \@preamfntext
9968 \protected@edef\@currentlabel{%
9969 \csname p@footnote#1\endcsname \nameuse{\thefnmark#1}}%
9970 \color@begingroup
9971 \nameuse{\tencolfootfmt#1}{##1}%
9972 \color@endgroup}%
9973 \m@mmf@prepare}}
9974 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
9975 \bidi@namelongdef{\mptencolfootnotetext#1}##1{%
9976 \global\setbox\nameuse{\mpfootins#1}\vbox{%
9977 \unvbox\nameuse{\mpfootins#1}
9978 \def\baselinestretch{\m@m@footnote@spacing}%
9979 \reset@font\nameuse{foottextfont#1}%
9980 \hsize\columnwidth \@parboxrestore
9981 \protected@edef\@currentlabel{%
9982 \csname p@mpfootnote#1\endcsname\nameuse{\thefnmark#1}}%
9983 \color@begingroup
9984 \nameuse{\tencolfootfmt#1}{##1}%
9985 \color@endgroup}\m@mmf@prepare}}
9986 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
9987 \@namedef{\tencolfootfmt#1}##1{%
9988 \@preamtenfmt
9989 {\nameuse{footfootmark#1}}\strut

```



```

9990      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9991 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
9992   \@namedef{@tencol@footgroup#1}{%
9993     \def\baselinestretch{\m@m@footnote@spacing}%
9994     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9995     \m@rigrigidbodybalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
9996 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
9997   \@namedef{@mptencol@footgroup#1}{%
9998     \def\baselinestretch{\m@m@footnote@spacing}%
9999     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10000     \m@rigrigidbodybalance{\@nameuse{mpfootins#1}}{10}{\splittopskip}}}}
10001 \bidi@ensure@newcommand{\m@munvxh}[1]{%
10002   \setbox0=\vbox{\unvbox#1%
10003     \global\setbox1=\lastbox}%
10004   \unhbox1
10005   \unskip
10006   \unskip
10007   \unpenalty
10008   \hskip\m@mipn@skip}
10009 \bidi@ensure@newcommand{\m@mungebox}{%
10010   \setbox0=\hbox{\m@munvxh0}%
10011   \dp0=\z@
10012   \ht0=\footfudgefactor\wd0
10013   \box0
10014   \penalty0}
10015 \newskip\m@mipn@skip
10016 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
10017   {\foottextfont\global\m@mipn@skip=#1\relax}}
10018 \m@minterparanoteglue{1em plus.4em minus.4em}
10019 \@ifpackageloaded{multicol}{%
10020 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10021   \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10022   \hsize\textwidth%
10023   \setbox0=\hbox{%
10024     \loop
10025       \unpenalty
10026       \setbox2=\lastbox
10027       \ifhbox2
10028         \setbox0=\hbox{\box2\unhbox0}
10029       \repeat}%
10030 }{%
10031 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10032   \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10033   \setbox0=\hbox{%
10034     \loop
10035       \unpenalty
10036       \setbox2=\lastbox
10037       \ifhbox2
10038         \setbox0=\hbox{\box2\unhbox0}
10039       \repeat}}

```



```

10040 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10041 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10042 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
10043 \bidi@ensure@newcommand{\paragraphfootnotes}{%
10044 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10045 \@bidi@before@Hy@hyperfootnotes
10046 \let\@footnotetext\@parafootnotetext
10047 \let\@LTRfootnotetext\@paraLTRfootnotetext
10048 \let\@RTLfootnotetext\@paraRTLfootnotetext
10049 \dimen\footinsv@r=\footinsdim
10050 \count\footinsv@r=1000\relax
10051 \m@make@para@footgroup{v@r}%
10052 \let\@footgroupv@r\@para@footgroupv@r
10053 \let\@mpfootnotetext\@mpparafootnotetext
10054 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10055 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10056 \@bidi@after@Hy@hyperfootnotes
10057 \m@make@mppara@footgroup{v@r}%
10058 \let\mp@footgroupv@r\@mppara@footgroupv@r
10059 \begingroup
10060 \def\baselinestretch{\m@m@footnote@spacing}%
10061 \foottextfont
10062 \@tempdima\normalbaselineskip
10063 \multiply \@tempdima \@cclvi
10064 \@tempdimb \columnwidth
10065 \divide \@tempdimb \@cclvi
10066 \divide \@tempdima \@tempdimb
10067 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10068 \endgroup
10069 }
10070 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
10071 \let\bidi@RTL@everypar\@empty%
10072 \def\baselinestretch{\m@m@footnote@spacing}%
10073 \reset@font\foottextfont
10074 \@preamfntext
10075 \protected@edef\@currentlabel{%
10076 \csname p@footnote\endcsname\@thefnmark}%
10077 \setbox0=\vbox{\hsize=\maxdimen
10078 \color@begingroup
10079 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else\endL\fi}%
10080 \color@endgroup}%
10081 \m@mungebox}\m@mmf@prepare}
10082 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
10083 \let\bidi@RTL@everypar\@empty%
10084 \def\baselinestretch{\m@m@footnote@spacing}%
10085 \reset@font\LTRfoottextfont
10086 \@preamfntext
10087 \protected@edef\@currentlabel{%
10088 \csname p@footnote\endcsname\@thefnmark}%
10089 \setbox0=\vbox{\hsize=\maxdimen

```



```

10090 \color@begingroup
10091 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10092 \color@endgroup}%
10093 \m@mungebox}\m@mmf@prepare}
10094 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
10095 \let\bidi@RTL@everypar\@empty%
10096 \def\baselinestretch{\m@m@footnote@spacing}%
10097 \reset@font\RTLfoottextfont
10098 \@preamfntext
10099 \protected@edef\@currentlabel{%
10100 \csname p@footnote\endcsname\@thefnmark}%
10101 \setbox0=\vbox{\hsize=\maxdimen
10102 \color@begingroup
10103 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
10104 \color@endgroup}%
10105 \m@mungebox}\m@mmf@prepare}
10106 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
10107 \parindent=\z@
10108 \parfillskip=Opt \@plus 1fil
10109 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
10110 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
10111 \parindent=\z@
10112 \parfillskip=Opt \@plus 1fil
10113 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
10114 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
10115 \parindent=\z@
10116 \parfillskip=Opt \@plus 1fil
10117 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
10118 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
10119 \global\setbox\@mpfootinsv@r\vbox{%
10120 \let\bidi@RTL@everypar\@empty%
10121 \def\baselinestretch{\m@m@footnote@spacing}%
10122 \unvbox\@mpfootinsv@r
10123 \reset@font\foottextfont
10124 \hsize\columnwidth \@parboxrestore
10125 \protected@edef\@currentlabel{%
10126 \csname p@mpfootnote\endcsname\@thefnmark}%
10127 \setbox0=\vbox{\hsize=\maxdimen
10128 \color@begingroup
10129 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else\beginL\fi#1\if@RTL@footnote\endR}%
10130 \color@endgroup}%
10131 \m@mungebox}\m@mmf@prepare}
10132 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
10133 \global\setbox\@mpfootinsv@r\vbox{%
10134 \let\bidi@RTL@everypar\@empty%
10135 \def\baselinestretch{\m@m@footnote@spacing}%
10136 \unvbox\@mpfootinsv@r
10137 \reset@font\LTRfoottextfont
10138 \hsize\columnwidth \@parboxrestore
10139 \protected@edef\@currentlabel{%

```



```

10140      \csname p@mpfootnote\endcsname\@thefnmark}%
10141      \setbox0=\vbox{\hsize=\maxdimen
10142      \color@begingroup
10143      \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10144      \color@endgroup}%
10145      \m@mungebox}\m@mmf@prepare}
10146 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
10147 \global\setbox\@mpfootinsv@r\vbox{%
10148 \let\bidi@RTL@everypar\@empty%
10149 \def\baselinestretch{\m@m@footnote@spacing}%
10150 \unvbox\@mpfootinsv@r
10151 \reset@font\RTLfoottextfont
10152 \hsize\columnwidth \@parboxrestore
10153 \protected@edef\@currentlabel{%
10154 \csname p@mpfootnote\endcsname\@thefnmark}%
10155 \setbox0=\vbox{\hsize=\maxdimen
10156 \color@begingroup
10157 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
10158 \color@endgroup}%
10159 \m@mungebox}\m@mmf@prepare}
10160 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
10161 \m@make@parafootnotetext{#1}%
10162 \m@make@mpparafootnotetext{#1}%
10163 \m@make@parafootfmt{#1}%
10164 \m@make@para@footgroup{#1}%
10165 \m@make@mppara@footgroup{#1}%
10166 \m@make@para@footstart{#1}%
10167 \bidi@namelongdef{\@footnotetext#1}##1{%
10168 \@nameuse{\@parafootnotetext#1}{##1}}%
10169 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
10170 \@nameuse{\@mpparafootnotetext#1}{##1}}%
10171 \@namedef{\@footgroup#1}{\@nameuse{\@para@footgroup#1}}%
10172 \@namedef{\mp@footgroup#1}{\@nameuse{\@mppara@footgroup#1}}%
10173 \@namedef{\@footstart#1}{\@nameuse{\@para@footstart#1}}%
10174 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
10175 \expandafter\count\csname footins#1\endcsname=1000\relax
10176 \begingroup
10177 \def\baselinestretch{\m@m@footnote@spacing}%
10178 \@nameuse{\foottextfont#1}%
10179 \@tempdima\normalbaselineskip
10180 \multiply \@tempdima \@cclvi
10181 \@tempdimb\columnwidth
10182 \divide \@tempdimb \@cclvi
10183 \divide \@tempdima \@tempdimb
10184 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10185 \endgroup
10186 }
10187 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
10188 \bidi@namelongdef{\@parafootnotetext#1}##1{%
10189 \insert\@nameuse{\footins#1}{

```



```

10190 \def\baselinestretch{\m@m@footnote@spacing}%
10191 \reset@font\@nameuse{foottextfont#1}%
10192 \@preamfntext
10193 \protected@edef\@currentlabel{%
10194   \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
10195 \setbox0=\vbox{\hsize=\maxdimen
10196   \color@begingroup
10197     \noindent \@nameuse{@parafootfmt#1}{##1}%
10198   \color@endgroup}%
10199 \m@mungebox}\m@mmf@prepare}}
10200 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
10201 \bidi@namelongdef{\mpparafootnotetext#1}##1{%
10202   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
10203     \unvbox\@nameuse{@mpfootins#1}
10204     \def\baselinestretch{\m@m@footnote@spacing}%
10205     \reset@font\@nameuse{foottextfont#1}%
10206     \hsize\columnwidth \@parboxrestore
10207     \protected@edef\@currentlabel{%
10208       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
10209     \setbox0=\vbox{\hsize=\maxdimen
10210       \color@begingroup
10211         \noindent \@nameuse{@parafootfmt#1}{##1}%
10212       \color@endgroup}%
10213     \m@mungebox}\m@mmf@prepare}}
10214 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
10215 \bidi@namelongdef{@parafootfmt#1}##1{%
10216   \parindent=\z@
10217   \parfillskip=0pt \@plus 1fil
10218   {\@nameuse{footfootmark#1}\strut
10219    {\@nameuse{foottextfont#1}##1}\penalty-10}}}
10220 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
10221 \namedef{@para@footgroup#1}{%
10222   \unvbox\@nameuse{footins#1}
10223   \m@mmakehboxofhboxes
10224   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10225   \@parboxrestore%
10226   \def\baselinestretch{\m@m@footnote@spacing}%
10227   \@nameuse{foottextfont#1}%
10228   \noindent\unhbox0\par}}
10229 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
10230 \namedef{@mppara@footgroup#1}{%
10231   \unvbox\@nameuse{@mpfootins#1}
10232   \m@mmakehboxofhboxes
10233   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10234   \def\baselinestretch{\m@m@footnote@spacing}%
10235   \@nameuse{foottextfont#1}%
10236   \noindent\unhbox0\par}}
10237 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
10238 \namedef{@para@footstart#1}{%
10239   \vskip\bigskipamount

```



```

10240 \leftskip=\z@
10241 \rightskip=\z@
10242 \parindent=\z@
10243 \vskip\skip\@nameuse{footins#1}%
10244 \footnoterule}}
10245 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
10246 \xdef\@freelist{\@freelist\@midlist}%
10247 \global\let\@midlist\@empty
10248 \@combinefloats}
10249 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
10250 \ifvbox\@kludgeins
10251 \@makespecialcolbox
10252 \else
10253 \setbox\@outputbox \vbox to\@colht{%
10254 \@texttop
10255 \dimen@ \dp\@outputbox
10256 \unvbox \@outputbox
10257 \vskip -\dimen@
10258 \@textbottom}%
10259 \fi}
10260 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
10261 \bidi@ensure@newcommand*{\m@m@mopfootnote}{\setbox\@outputbox \vbox{%
10262 \boxmaxdepth\@maxdepth
10263 \@tempdima\dp\@cclv
10264 \unvbox\@cclv
10265 \vskip-\@tempdima
10266 \bidi@mopfn@bottom
10267 \vskip \skip\footins
10268 \color@begingroup
10269 \normalcolor
10270 \footnoterule
10271 \unvbox \footins
10272 \color@endgroup}}
10273 \newcommand*{\bidi@mopfootnotebf}{%
10274 \setbox\@outputbox \vbox{%
10275 \boxmaxdepth\@maxdepth
10276 \unvbox\@outputbox
10277 \bidi@mopfn@bottom
10278 \vskip\skip\footins
10279 \color@begingroup
10280 \normalcolor
10281 \footnoterule
10282 \unvbox \footins
10283 \color@endgroup}}
10284 \gdef\mem@m@makecol{%
10285 \m@m@makecolintro
10286 \ifvoid\footins
10287 \setbox\@outputbox \box\@cclv
10288 \else
10289 \m@mopfootnote

```



```

10290 \fi
10291 \m@doextrafeet
10292 \m@m@makecolfloats
10293 \m@m@makecoltext
10294 \global \maxdepth \@maxdepth}
10295 \gdef\bidi@makecolbf{%
10296 \m@m@makecolintro
10297 \setbox\@outputbox \box\@cclv
10298 \m@m@makecolfloats
10299 \ifvoid\footins
10300 \else
10301 \bidi@mopfootnotebf
10302 \fi
10303 \m@doextrafeet
10304 \m@m@makecoltext
10305 \global \maxdepth \@maxdepth}
10306 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10307 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10308 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
10309 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
10310 \FeetAboveFloat
10311 \FeetBelowRagged

```

7.54 extreport-xetex-bidi.def

```

10312 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
10313 \renewcommand*\l@part[2]{%
10314 \ifnum \c@tocdepth >-2\relax
10315 \addpenalty{-\@highpenalty}%
10316 \addvspace{2.25em \@plus\p@}%
10317 \begingroup
10318 \setlength\@tempdima{3em}%
10319 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10320 \parfillskip -\@pnumwidth
10321 {\leavevmode
10322 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10323 \nobreak
10324 \global\@nbreaktrue
10325 \everypar{\global\@nbreakfalse\everypar{}}%
10326 \endgroup
10327 \fi}
10328 \renewcommand*\l@chapter[2]{%
10329 \ifnum \c@tocdepth >\m@ne
10330 \addpenalty{-\@highpenalty}%
10331 \vskip 1.0em \@plus\p@
10332 \setlength\@tempdima{1.5em}%
10333 \begingroup
10334 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10335 \parfillskip -\@pnumwidth
10336 \leavevmode \bfseries

```



```

10337     \advance\if@RTL\rightright\else\leftskip\fi\@tempdima
10338     \hskip -\if@RTL\rightright\else\leftskip\fi
10339     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10340     \penalty\@highpenalty
10341   \endgroup
10342 \fi}
10343 \def\@makechapterhead#1{%
10344   \vspace*{50\p@}%
10345   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10346     \ifnum \c@secnumdepth >\m@ne
10347       \huge\bfseries \@chapapp\space \thechapter
10348       \par\nobreak
10349       \vskip 20\p@
10350     \fi
10351     \interlinepenalty\@M
10352     \Huge \bfseries #1\par\nobreak
10353     \vskip 40\p@
10354   }}
10355 \def\@makeschapterhead#1{%
10356   \vspace*{50\p@}%
10357   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10358     \normalfont
10359     \interlinepenalty\@M
10360     \Huge \bfseries #1\par\nobreak
10361     \vskip 40\p@
10362   }}
10363 \renewcommand\left@footnoterule{%
10364   \kern-3\p@
10365   \hrule\@width.4\columnwidth
10366   \kern2.6\p@}
10367 \renewcommand\right@footnoterule{%
10368   \kern-3\p@
10369   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10370   \kern2.6\p@}
10371 \renewenvironment{thebibliography}[1]
10372   {\chapter*{\bibname
10373     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10374     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10375     \bidi@thebibliography@font@hook%
10376     \list{\@biblabel{\@arabic\c@enumiv}}%
10377       {\settowidth\labelwidth{\@biblabel{#1}}%
10378        \leftmargin\labelwidth
10379        \advance\leftmargin\labelsep
10380        \@openbib@code
10381        \usecounter{enumiv}%
10382        \let\p@enumiv\@empty
10383        \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10384     \sloppy\clubpenalty4000\widowpenalty4000%
10385     \sfcode\.\@m}
10386 \def\@noitemerr

```



```

10387      {\@latex@warning{Empty `thebibliography' environment}}%
10388      \endlist}
10389      \if@titlepage
10390      \renewcommand\maketitle{\begin{titlepage}%
10391      \let\footnotesize\small
10392      \let\right@footnoterule\relax
10393      \let\left@footnoterule\relax
10394      \let\textwidth\footnoterule\relax
10395      \let \footnote \thanks
10396      \null\vfil
10397      \vskip 60\p@
10398      \begin{center}%
10399      {\LARGE \@title \par}%
10400      \vskip 3em%
10401      {\large
10402      \lineskip .75em%
10403      \begin{tabular}[t]{c}%
10404      \@author
10405      \end{tabular}\par}%
10406      \vskip 1.5em%
10407      {\large \@date \par}%          % Set date in \large size.
10408      \end{center}\par
10409      \@thanks
10410      \vfil\null
10411      \end{titlepage}%
10412      \setcounter{footnote}{0}%
10413      \global\let\thanks\relax
10414      \global\let\maketitle\relax
10415      \global\let\@thanks\@empty
10416      \global\let\@author\@empty
10417      \global\let\@date\@empty
10418      \global\let\@title\@empty
10419      \global\let\title\relax
10420      \global\let\author\relax
10421      \global\let\date\relax
10422      \global\let\and\relax
10423  }
10424  \else
10425  \renewcommand\maketitle{\par
10426  \begingroup
10427    \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10428    \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10429    \long\def\@makefntext##1{\parindent 1em\noindent
10430      \hb@xt@1.8em{%
10431        \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10432    \if@twocolumn
10433      \ifnum \col@number=\@ne
10434        \@maketitle
10435      \else
10436        \twocolumn[\@maketitle]%

```



```

10437     \fi
10438   \else
10439     \newpage
10440     \global\@topnum\z@    % Prevents figures from going at top of page.
10441     \@maketitle
10442   \fi
10443   \thispagestyle{plain}\@thanks
10444 \endgroup
10445 \setcounter{footnote}{0}%
10446 \global\let\thanks\relax
10447 \global\let\maketitle\relax
10448 \global\let\@maketitle\relax
10449 \global\let\@thanks\@empty
10450 \global\let\@author\@empty
10451 \global\let\@date\@empty
10452 \global\let\@title\@empty
10453 \global\let\title\relax
10454 \global\let\author\relax
10455 \global\let\date\relax
10456 \global\let\and\relax
10457 }
10458 \def\@maketitle{%
10459   \newpage
10460   \null
10461   \vskip 2em%
10462   \begin{center}%
10463     \let \footnote \thanks
10464     {\LARGE \@title \par}%
10465     \vskip 1.5em%
10466     {\large
10467       \lineskip .5em%
10468       \begin{tabular}[t]{c}%
10469         \@author
10470       \end{tabular}\par}%
10471     \vskip 1em%
10472     {\large \@date}%
10473   \end{center}%
10474   \par
10475   \vskip 1.5em}
10476 \fi
10477 \renewcommand\thesection    {\thechapter\@SepMark\@arabic\c@section}
10478 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
10479 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\csubsubsection}
10480 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\cparagraph}
10481 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\csubparagraph}
10482 \renewcommand\theequation{%
10483   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10484 \renewcommand\thefigure{%
10485   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
10486 \renewcommand\thetable{%

```



```
10487 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
```

7.55 fancybox-xetex-bidi.def

```
10488 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
10489 \def\fancy@oval#1#2#3{%
10490   \boxmaxdepth \maxdimen
10491   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10492   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10493   \@ovxx#1\relax
10494   \advance\@ovxx-\@wholewidth
10495   \@ovyy#2\relax
10496   \advance\@ovyy-\@wholewidth
10497   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
10498   \advance\@tempdimb-2\p@
10499   \ifdim\@tempdimb>\the@cornersize\relax
10500     \@tempdimb=\the@cornersize
10501   \fi
10502   \getcirc\@tempdimb
10503   \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10504   \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10505   \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10506   \circlefnt
10507   \setbox\@tempboxa\hbox{\beginL%
10508     \if@ovr \@ovvert32\kern -\@tempdima \fi
10509     \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10510     \if@ovt \@ovhorz \kern -\@ovxx \fi
10511     \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10512   \advance\@ovdx\@ovro
10513   \advance\@ovdy\@ovro
10514   \advance\@ovxx\@wholewidth
10515   \wd\@tempboxa=\@ovxx
10516   \dp\@tempboxa=\z@}
```

7.56 fancyhdr-xetex-bidi.def

```
10517 \ProvidesFile{fancyhdr-xetex-bidi.def}[2016/11/30 v0.6 bidi adaptations for fancyhdr package]
10518
10519 \let\fnch@everypar\everypar%
10520
10521 \def\@fancyhead#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset
10522   \@fancyvbox\headheight{\hbox
10523     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10524       \parbox[b]{\headwidth}{\centering#3}\hfill
10525       \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10526
10527 \def\@fancyfoot#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset
10528   \@fancyvbox\footskip{\footrule
10529     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10530       \parbox[t]{\headwidth}{\centering#3}\hfill
10531       \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\hfill}}#5}
```



10532

7.57 fix2col-xetex-bidi.def

```
10533 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package fo
10534 \def\RTL@outputdblcol{%
10535   \if@firstcolumn
10536     \global\@firstcolumnfalse
10537     \global\setbox\@leftcolumn\copy\@outputbox
10538     \splitmaxdepth\maxdimen
10539     \vbadness\maxdimen
10540     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10541     \toks@\expandafter{\topmark}%
10542     \xdef\@firstcoltopmark{\the\toks@}%
10543     \toks@\expandafter{\splitfirstmark}%
10544     \xdef\@firstcolfirstmark{\the\toks@}%
10545     \ifx\@firstcolfirstmark\@empty
10546       \global\let\@setmarks\relax
10547     \else
10548       \gdef\@setmarks{%
10549         \let\firstmark\@firstcolfirstmark
10550         \let\topmark\@firstcoltopmark}%
10551     \fi
10552 \else \global\@firstcolumntrue
10553 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10554 \hskip \columnwidth
10555 \hfil \vrule width\columnseprule \hfil
10556 \hbox to\columnwidth {%
10557 \bidi@firstcolumn@status@write%
10558 \box\@leftcolumn \hss}%
10559 \hskip -\textwidth
10560 \hbox to\columnwidth{%
10561 \bidi@lastcolumn@status@write%
10562 \box\@outputbox \hss}%
10563 \hskip \columnsep
10564 \hskip \columnwidth }}%
10565 \@combinedblfloats \@setmarks \@outputpage
10566 \begingroup \@dblfloatplacement \@startdblcolumn
10567 \@whilesw\if@fcolmade \fi
10568 {\@outputpage \@startdblcolumn }\endgroup
10569 \fi}
10570 \def\LTR@outputdblcol{%
10571   \if@firstcolumn
10572     \global\@firstcolumnfalse
10573     \global\setbox\@leftcolumn\copy\@outputbox
10574     \splitmaxdepth\maxdimen
10575     \vbadness\maxdimen
10576     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10577     \toks@\expandafter{\topmark}%
10578     \xdef\@firstcoltopmark{\the\toks@}%

```



```

10579 \toks@{\expandafter{\splitfirstmark}}%
10580 \xdef\@firstcolfirstmark{\the\toks@}%
10581 \ifx\@firstcolfirstmark\@empty
10582   \global\let\@setmarks\relax
10583 \else
10584   \gdef\@setmarks{%
10585     \let\firstmark\@firstcolfirstmark
10586     \let\topmark\@firstcoltopmark}%
10587 \fi
10588 \else
10589   \global\@firstcolumntrue
10590   \setbox\@outputbox\vbox{%
10591     \hb@xt@\textwidth{%
10592       \hb@xt@\columnwidth{%
10593         \bidi@firstcolumn@status@write%
10594         \box\@leftcolumn \hss}%
10595       \hfil
10596       \vrule \width\columnseprule
10597       \hfil
10598       \hb@xt@\columnwidth{%
10599         \bidi@lastcolumn@status@write%
10600         \box\@outputbox \hss}}}%
10601 \combinedblfloats
10602 \setmarks
10603 \outputpage
10604 \beginingroup
10605   \dblfloatplacement
10606   \startdblcolumn
10607   \@whilesw\if@fcolmade \fi{\@outputpage\startdblcolumn}%
10608 \endgroup
10609 \fi}

```

7.58 fleqn-xetex-bidi.def

```

10610 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
10611 \renewcommand\[{ \relax
10612   \ifmmode\@badmath
10613   \else
10614     \begin{trivlist}%
10615       \@beginparpenalty\predisplaypenalty
10616       \@endparpenalty\postdisplaypenalty
10617       \item[]\leavevmode
10618       \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10619       \hskip\mathindent\bgroup
10620     \fi}
10621 \renewcommand\]{ \relax
10622   \ifmmode
10623     \egroup $\hfil% $
10624   \endL\egroup
10625 \end{trivlist}}%

```



```

10626             \else \@badmath
10627             \fi}
10628 \renewenvironment{equation}%
10629   {\@beginparpenalty\predisplaypenalty
10630   \@endparpenalty\postdisplaypenalty
10631   \refstepcounter{equation}%
10632   \trivlist \item[]\leavevmode
10633   \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10634   \displaystyle
10635   \hskip\mathindent}%
10636   {$\hfil % $
10637   \displaywidth\linewidth\hbox{\@eqnnum}%
10638   \endL\egroup
10639   \endtrivlist}

```

7.59 float-xetex-bidi.def

```

10640 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for Xe
10641 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10642 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10643 \else\hbox to\hsize{\ifRTL\beginR\fi\hfil\box\@tempboxa\hfil\ifRTL\endR\fi}\fi}
10644 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10645 \expandafter\edef\csname the#1\endcsname{%
10646 \expandafter\noexpand\csname
10647 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10648 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

7.60 floatrow-xetex-bidi.def

```

10649 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
10650 \renewcommand\flnew@within[1]{\@addtoreset{FB@captop}{#1}%
10651 \expandafter\edef\csname theFB@captop\endcsname{%
10652 \expandafter\noexpand\csname
10653 the#1\endcsname\@SepMark\noexpand\arabic{FB@captop}}}

```

7.61 flowfram-xetex-bidi.def

```

10654 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package
10655 \def\@outputdblcol{%
10656 \nxtcol=\c@thisframe
10657 \c@curpg=\c@page
10658 \g@tnextcol{\@nxtcol}%
10659 \ifff@nwpg % next flow frame starts on new page
10660 \global\@firstcolumntrue
10661 \setcolbox\c@thisframe
10662 \if@specialpage
10663 \global\@specialpagefalse
10664 \nameuse{ps@\@specialstyle}\relax
10665 \fi
10666 \if@twoside
10667 \ifodd\count\z@
10668 \let\@thehead\@oddhead

```



```

10669      \let\@thefoot\@oddfoot
10670      \else
10671        \let\@thehead\@evenhead
10672        \let\@thefoot\@evenfoot
10673      \fi
10674    \else
10675      \let\@thehead\@oddhead
10676      \let\@thefoot\@oddfoot
10677    \fi
10678    \@begindvi
10679    \@dodynamicthehead\@dodynamicthefoot
10680    \vbadness=\@M
10681    \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}}%
10682    \@combinedblfloats
10683    \@outputpage
10684    \advance\c@curpg by -\c@page\relax
10685    \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10686      \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}}%
10687    \@outputpage}
10688    \begingroup
10689      \@dblfloatplacement
10690      \@startdblcolumn
10691      \@whilesw \if@fcolmade \fi
10692      {\@outputpage \@startdblcolumn }\endgroup
10693    \@resetst@tics
10694    \@resetdyn@mics
10695  \else % still on same page, save contents of box255
10696    \global\@firstcolumnfalse
10697    \@setcolbox\c@thisframe
10698  \fi
10699  \global\c@thisframe=\@nxtcol
10700  \@setcol{\c@thisframe}\relax
10701  \global\@colht\vsiz
10702 }
10703 \def\@outputpage{%
10704 \begingroup
10705   \let\protect\noexpand
10706   \@resetactivechars
10707   \global\let\@@if@newlist@if@newlist
10708   \global\@newlistfalse\@parboxrestore
10709   \shipout\vbox{\set@typeset@protect
10710     \aftergroup
10711     \endgroup
10712     \aftergroup
10713     \set@typeset@protect
10714     \reset@font\normalsize\normalsfcodes
10715     \let\label\@gobble
10716     \let\index\@gobble
10717     \let\glossary\@gobble
10718     \baselineskip\z@skip

```



```

10719 \lineskip\z@skip
10720 \lineskiplimit\z@
10721 \vskip\topmargin\moveright\@themargin
10722 \vbox{%
10723     \vskip\headheight
10724     \vskip\headsep
10725     \box\@outputbox
10726 }}%
10727 \global\let\if@newlist\@if@newlist
10728 \stepcounter{page}%
10729 \setcounter{displayedframe}{0}%
10730 \let\firstmark\botmark}
10731
10732
10733 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\%
10734 \expandafter\bidicolor\ff@txtcol}}
10735
10736 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10737 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}%
10738
10739
10740 \renewcommand*\@docolbox}[1]{%
10741 \edef\ff@frametype{%
10742 \csname @ff@frametype@\romannumeral#1\endcsname}%
10743 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10744 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10745 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10746 \@ff@setoffset{#1}%
10747 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10748 \ifthenelse{\boolean{columnframe\romannumeral#1}}{\%
10749 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10750 {\csname colheight\romannumeral#1\endcsname}{%
10751 \expandafter\box\csname column\romannumeral#1\endcsname}{%
10752 \csname\ff@frametype\endcsname}%
10753 }{%
10754 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
10755 {\csname colheight\romannumeral#1\endcsname}{%
10756 \expandafter\box\csname column\romannumeral#1\endcsname}%
10757 }}}
10758 \@ifclassloaded{book}{%
10759 \renewcommand\theequation
10760 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10761 \renewcommand \thefigure
10762 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10763 \renewcommand \thetable
10764 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10765 \renewcommand \thechapter {\@arabic\c@chapter}
10766 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10767 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10768 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}

```



```

10769 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10770 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10771 \@ifclassloaded{report}{%
10772 \renewcommand\theequation
10773 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10774 \renewcommand \thefigure
10775 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10776 \renewcommand \thetable
10777 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10778 \renewcommand \thechapter {\@arabic\c@chapter}
10779 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10780 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10781 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10782 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10783 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10784 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10785 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}}%
10786 \else
10787 #2\relax
10788 \fi}

```

7.62 footnote-xetex-bidi.def

```

10789 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
10790 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
10791 \newif\ifbidi@autofooterule
10792 \def\bidi@mpfootnoterule{\footnoterule}
10793 \newcounter{footdir@label}
10794 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
10795 \newcommand*{\footdir@write}{%
10796 \stepcounter{footdir@label}%
10797 \zref@labelbyprops{\thefootdir@label}{abspage}%
10798 }
10799 \newif\iffootdir@debug
10800 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
10801 \newtoks\footdir@toks
10802 \newcommand*{\footdir@debug}[1]{%
10803 \iffootdir@debug
10804 \typeout{[footdir] #1}%
10805 \fi
10806 }
10807 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
10808 % \newcommand*{\footdir@LeftRightElse}{%
10809 % \ltx@ifundefined{footdir@the\value{zabspage}}{%
10810 % \footdir@debug{abspage \the\value{zabspage}: else}%
10811 % \ltx@thirdofthree
10812 % }{%
10813 % \if\csname footdir@the\value{zabspage}\endcsname L%
10814 % \footdir@debug{abspage \the\value{zabspage}: left}%
10815 % \expandafter\ltx@firstofthree

```



```

10816 %      \else
10817 %          \footdir@debug{abspage \the\value{zabspage}: right}%
10818 %          \expandafter\ltx@secondofthree
10819 %      \fi
10820 %  }%
10821 % }%
10822 %}{%
10823 \providecommand*{\c@zabspage}{\c@abspage}%
10824 \newcommand*{\footdir@LeftRightElse}{%
10825     \footdir@write
10826     \zifrefundefined{\thefootdir@label}{%
10827         \footdir@debug{abspage ??: else}%
10828         \ltx@thirdofthree
10829     }{%
10830         \edef\footdir@abspage{%
10831             \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10832         }%
10833         \ltx@ifundefined{footdir@\footdir@abspage}{%
10834             \footdir@debug{\footdir@abspage: else}%
10835             \ltx@thirdofthree
10836         }{%
10837             \if\csname footdir@\footdir@abspage\endcsname L%
10838                 \footdir@debug{\footdir@abspage: left}%
10839                 \expandafter\ltx@firstofthree
10840             \else
10841                 \footdir@debug{\footdir@abspage: right}%
10842                 \expandafter\ltx@secondofthree
10843             \fi
10844         }%
10845     }%
10846 }%
10847 %}
10848 \newcommand*{\footdir@fntext}[1]{%
10849     \zifrefundefined{\thefootdir@label}{%
10850     }{%
10851         \edef\footdir@name{%
10852             footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
10853         }%
10854         \@ifundefined{\footdir@name}{%
10855             \expandafter\gdef\csname\footdir@name\endcsname{#1}%
10856         }{%
10857         }%
10858     }%
10859 }
10860 \newcommand*{\footdir@temp}[3]{%
10861     \@ifdefinable{#1}{%
10862         \let#1#2%
10863         \renewcommand{#2}[1]{%
10864             \footdir@write
10865             \footdir@fntext{#3}%

```



```

10866     \stepcounter{footdir@label}%
10867     \footdir@fntext{#3}%
10868     \footdir@toks{##1}%
10869     \footdir@toks\expandafter{%
10870         \the\expandafter\footdir@toks
10871         \expandafter
10872         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
10873     }%
10874     \expandafter#1\expandafter{\the\footdir@toks}%
10875 }%
10876 }%
10877 }
10878
10879 \def\right@footnoterule{%
10880     \kern-3\p@
10881     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10882     \kern2.6\p@}
10883 \def\left@footnoterule{\kern-3\p@
10884     \hrule \@width .4\columnwidth \kern 2.6\p@}
10885 \def\textwidth@footnoterule{\kern-3\p@
10886     \hrule \@width \columnwidth \kern 2.6\p@}
10887 \def\leftfootnoterule{%
10888     \bidi@autofootnoterulefalse%
10889     \def\footnoterule{\left@footnoterule}}
10890 \let\Lrfootnoterule=\leftfootnoterule
10891 \def\rightfootnoterule{%
10892     \bidi@autofootnoterulefalse%
10893     \def\footnoterule{\right@footnoterule}}
10894 \def\textwidthfootnoterule{%
10895     \bidi@autofootnoterulefalse%
10896     \def\footnoterule{\textwidth@footnoterule}}
10897
10898
10899
10900 \def\auto@footnoterule{%
10901     \footdir@LeftRightElse%
10902     \left@footnoterule%
10903     \right@footnoterule%
10904     \left@footnoterule%
10905 }
10906
10907
10908
10909 \def\autofootnoterule{%
10910     \bidi@autofootnoteruletrue%
10911     \def\footnoterule{\auto@footnoterule}%
10912 }
10913
10914 \newcommand*{\SplitFootnoteRule}{%
10915     \gdef\split@prev{0}

```



```

10916 \let\pagefootnoterule\footnoterule
10917 \let\mpfootnoterule\footnoterule
10918 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
10919 \def\footnoterule{\relax
10920   \ifx \@listdepth\@mplistdepth
10921     \mpfootnoterule
10922   \else
10923     \ifnum\split@prev=\z@
10924       \pagefootnoterule
10925     \else
10926       \splitfootnoterule
10927     \fi
10928   \xdef\split@prev{\the\insertpenalties}%
10929 \fi
10930 }%
10931 }
10932
10933
10934
10935
10936 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
10937   \protected@xdef\@thefnmark{\thempfn}%
10938   \@footnotemark\@RTLfootnotetext}}
10939 \def\@xRTLfootnote[#1]{%
10940   \begingroup
10941     \csname c@\@mpfn\endcsname #1\relax
10942     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10943   \endgroup
10944   \@footnotemark\@RTLfootnotetext}
10945 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
10946   \protected@xdef\@thefnmark{\thempfn}%
10947   \@footnotemark\@LTRfootnotetext}}
10948 \def\@xLTRfootnote[#1]{%
10949   \begingroup
10950     \csname c@\@mpfn\endcsname #1\relax
10951     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10952   \endgroup
10953   \@footnotemark\@LTRfootnotetext}
10954
10955
10956 \def\setfootnoteRL{\@RTL@footnotetrue}
10957 \def\unsetfootnoteRL{\@RTL@footnotefalse}
10958 \def\setfootnoteLR{\unsetfootnoteRL}
10959
10960 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
10961 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
10962 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
10963
10964 \long\def\@footnotetext#1{\insert\footins{%
10965   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%

```



```

10966 \reset@font%
10967 \bidi@@footnotetext@font% \reset@font\footnotesize
10968 \interlinepenalty\interfootnotelinepenalty
10969 \splittopskip\footnotesep
10970 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10971 \hsize\columnwidth \@parboxrestore
10972 \protected@edef\@currentlabel{%
10973     \csname p@footnote\endcsname\@thefnmark
10974 }%
10975 \color@begingroup
10976     \@makefnthtext{%
10977         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10978 \color@endgroup}}}%
10979
10980
10981 \long\def\@RTLfootnotetext#1{\insert\footins{%
10982     \@RTLtrue%
10983     \reset@font%
10984     \bidi@@RTLfootnotetext@font% \reset@font\footnotesize
10985     \interlinepenalty\interfootnotelinepenalty
10986     \splittopskip\footnotesep
10987     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10988     \hsize\columnwidth \@parboxrestore
10989     \protected@edef\@currentlabel{%
10990         \csname p@footnote\endcsname\@thefnmark
10991     }%
10992     \color@begingroup
10993         \@makefnthtext{%
10994             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10995     \color@endgroup}}}%
10996
10997 \long\def\@LTRfootnotetext#1{\insert\footins{%
10998     \@RTLfalse%
10999     \reset@font%
11000     \bidi@@LTRfootnotetext@font% \reset@font\footnotesize
11001     \interlinepenalty\interfootnotelinepenalty
11002     \splittopskip\footnotesep
11003     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11004     \hsize\columnwidth \@parboxrestore
11005     \protected@edef\@currentlabel{%
11006         \csname p@footnote\endcsname\@thefnmark
11007     }%
11008     \color@begingroup
11009         \@makefnthtext{%
11010             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11011     \color@endgroup}}}%
11012
11013 \AtBeginDocument{%
11014     \if@RTL@footnote
11015         \newcommand*{\bidi@footdir@footnote}{R}

```



```

11016 \else
11017   \newcommand*{\bidi@footdir@footnote}{L}
11018 \fi%
11019 }
11020
11021 \footdir@temp\footdir@ORG\bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
11022 \footdir@temp\footdir@ORG\bidi@RTLfootnotetext\@RTLfootnotetext{R}%
11023 \footdir@temp\footdir@ORG\bidi@LTRfootnotetext\@LTRfootnotetext{L}%
11024
11025 \long\def\@mpRTLfootnotetext#1{%
11026   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
11027   \global\setbox\@mpfootins\vbox{\@RTLtrue%
11028     \unvbox\@mpfootins
11029     \reset@font%
11030     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11031     \hsize\columnwidth
11032     \@parboxrestore
11033     \protected@edef\@currentlabel
11034       {\csname p@mpfootnote\endcsname\@thefnmark}%
11035     \color@begingroup
11036     \@makefntext{%
11037       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11038     \color@endgroup}}
11039 \long\def\@mpLTRfootnotetext#1{%
11040   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
11041   \global\setbox\@mpfootins\vbox{\@RTLfalse%
11042     \unvbox\@mpfootins
11043     \reset@font%
11044     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11045     \hsize\columnwidth
11046     \@parboxrestore
11047     \protected@edef\@currentlabel
11048       {\csname p@mpfootnote\endcsname\@thefnmark}%
11049     \color@begingroup
11050     \@makefntext{%
11051       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11052     \color@endgroup}}
11053 \long\def\@mpfootnotetext#1{%
11054   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
11055   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11056     \unvbox\@mpfootins
11057     \reset@font%
11058     \bidi@footnotetext@font% \reset@font\footnotesize
11059     \hsize\columnwidth
11060     \@parboxrestore
11061     \protected@edef\@currentlabel
11062       {\csname p@mpfootnote\endcsname\@thefnmark}%
11063     \color@begingroup
11064     \@makefntext{%
11065       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%

```



```

11066     \color@endgroup}}
11067 \def\@iiiminipage#1#2[#3]#4{%
11068     \leavevmode
11069     \@pboxswfalse
11070     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11071     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
11072     \setlength\@tempdima{#4}%
11073     \def\@mpargs{#{1}#{2}#{3}#{4}}%
11074     \setbox\@tempboxa\vbox\bgroup
11075         \color@begingroup
11076         \hsize\@tempdima
11077         \textwidth\hsize \columnwidth\hsize
11078         \@parboxrestore
11079         \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11080         \let\@footnotetext\@mpfootnotetext
11081         \let\@LTRfootnotetext\@mpLTRfootnotetext
11082         \let\@RTLfootnotetext\@mpRTLfootnotetext
11083         \let\@listdepth\@mplistdepth \@mplistdepth\z@
11084         \@minipagerestore
11085         \@setminipage}
11086 \def\endminipage{%
11087     \par
11088     \unskip
11089     \ifvoid\@mpfootins\else
11090         \vskip\skip\@mpfootins
11091         \normalcolor
11092         \bidi@mpfootnoterule
11093         \unvbox\@mpfootins
11094     \fi
11095     \@minipagefalse %% added 24 May 89
11096     \color@endgroup
11097     \egroup
11098     \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11099 \def\LTRthanks#1{\footnotemark
11100     \protected@xdef\@thanks{\@thanks
11101         \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11102 }
11103 \def\LTRfootnotetext{%
11104     \@ifnextchar [\@xLTRfootnotenext
11105     {\protected@xdef\@thefnmark{\thempfn}%
11106     \@LTRfootnotetext}}
11107 \def\@xLTRfootnotenext[#1]{%
11108     \begingroup
11109     \csname c@\@mpfn\endcsname #1\relax
11110     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11111     \endgroup
11112     \@LTRfootnotetext}
11113 \def\RTLthanks#1{\footnotemark
11114     \protected@xdef\@thanks{\@thanks
11115         \protect\RTLfootnotetext[\the\c@footnote]{#1}}%

```



```

11116 }
11117 \let\@thanks\@empty
11118 \def\RTLfootnotetext{%
11119     \ifnextchar [\@xRTLfootnotenext
11120     {\protected@xdef\@thefnmark{\thempfn}%
11121     \@RTLfootnotetext}}
11122 \def\@xRTLfootnotenext[#1]{%
11123     \begingroup
11124     \csname c@\@mpfn\endcsname #1\relax
11125     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11126     \endgroup
11127     \@RTLfootnotetext}
11128 \leftfootnoterule

```

7.63 framed-xetex-bidi.def

```

11129 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for ]
11130 \renewcommand\TitleBarFrame[3][\begingroup
11131     \ifx\delimiter#1\delimiter
11132     \let\TF@conlab\@empty
11133     \else
11134     \def\TF@conlab{% continuation label
11135     \nointerlineskip
11136     \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
11137     \fi
11138     %\let\TF@savecolor\current@color
11139     \textcolor{TFFrameColor}{%
11140     \CustomFBox
11141     {\TF@Title{#2}}{\TF@conlab}%
11142     \fbboxrule\fbboxrule\fbboxrule\fbboxrule
11143     %{\let\current@color\TF@savecolor\set@color #3}%
11144     {\normalcolor #3}%
11145     }\endgroup
11146 }
11147 \renewenvironment{titled-frame}[1]{%
11148     \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt
11149     \TitleBarFrame{\textbf{#1}}}%
11150     \def\FirstFrameCommand{\fbboxsep8pt\fbboxrule2pt
11151     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
11152     \def\MidFrameCommand{\fbboxsep8pt\fbboxrule2pt
11153     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1\ (cont
11154     \def\LastFrameCommand{\fbboxsep8pt\fbboxrule2pt
11155     \TitleBarFrame{\textbf{#1\ (cont)}}}%
11156     \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11157 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
11158 % could interfere with the width measurement.
11159 {\endMakeFramed}
11160 \chardef\FrameRestore=\catcode`\| % for debug
11161 \catcode`\|=\catcode`\% (debug: insert space after backslash)
11162 \def\fb@put@frame#1#2{\relax

```



```

11163 \ifdim\pagegoal=\maxdimen \pagegoal\vsizel\fi
11164 | \message{===== Entering putframe =====^^J
11165 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
11166 \ifinner
11167 \fb@putboxa#1%
11168 \fb@afterframe
11169 \else
11170 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11171 \ifdim\dimen@<2\baselineskip % Too little room on page
11172 | \message{Page has only \the\dimen@space room left; eject.}%
11173 \eject \fb@adjheight \fb@put@frame#1#2%
11174 \else % there's appreciable room left on the page
11175 \fb@sizeofframe#1%
11176 | \message{\string\pagetotal=\the\pagetotal,
11177 | \string\pagegoal=\the\pagegoal,
11178 | \string\pagestretch=\the\pagestretch,
11179 | \string\pageshrink=\the\pageshrink,
11180 | \string\fb@frh=\the\fb@frh. \space}
11181 | \message{^^JBox of size \the\ht\@tempboxa\space}%
11182 \begingroup % temporarily set \dimen@ to be...
11183 \advance\dimen@.8\pageshrink % maximum space available on page
11184 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11185 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11186 \expandafter\endgroup
11187 % expand \ifdim, then restore \dimen@ to real room left on page
11188 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
11189 | \message{fits in \the\dimen@.}%
11190 % ToDo: Change this to use vsplit anyway to capture the marks
11191 % MERGE THIS WITH THE else CLAUSE!!!
11192 \fb@putboxa#1%
11193 \fb@afterframe
11194 \else % box must be split
11195 | \message{must be split to fit in \the\dimen@.}%
11196 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11197 \fb@sizeofframe#2%
11198 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11199 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11200 \kern137sp\kern-137sp\penalty-30
11201 \unvbox\@tempboxa}%
11202 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
11203 \splittopskip\the\splittopskip}%
11204 \boxmaxdepth\z@ \splittopskip\z@
11205 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
11206 % Split box here
11207 \setbox\tw@\vsplit\@tempboxa to\dimen@
11208 | \toks99\expandafter{\splitfirstmark}%
11209 | \toks98\expandafter{\splitbotmark}%
11210 | \message{Marks are: \the\toks99, \the\toks98.}%
11211 \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
11212 | \message{Natural height of split box is \the\ht\tw@, leaving

```



```

11213 |         \the\ht\@tempboxa\space remainder. }%
11214 % If the split-to size > (\vsize-\topskip), then set box to full size.
11215 \begingroup
11216 \advance\dimen@ \topskip
11217 \expandafter\endgroup
11218 \ifdim\dimen@>\pagegoal
11219 |     \message{Frame is big -- Use up the full column. }%
11220     \dimen@ii\pagegoal
11221     \advance\dimen@ii -\topskip
11222     \advance\dimen@ii \FrameHeightAdjust\relax
11223 \else % suspect this is implemented incorrectly:
11224     % If the split-to size > feasible room_on_page, rebox it smaller.
11225     \advance\dimen@.8\pageshrink
11226     \ifdim\ht\tw@>\dimen@
11227 |         \message{Box too tall; rebox it to \the\dimen@. }%
11228         \dimen@ii\dimen@
11229     \else % use natural size
11230         \dimen@ii\ht\tw@
11231     \fi
11232 \fi
11233 % Re-box contents to desired size \dimen@ii
11234 \advance\dimen@ii -\fb@frh
11235 \setbox\tw@\vbox to\dimen@ii \bgroup
11236 % remove simulated frame and page flexibility:
11237 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11238 \unvbox\tw@ \unpenalty\unpenalty
11239 \ifdim\lastkern=-137sp % whole box went to next page
11240 |     \message{box split at beginning! }%
11241     % need work here???
11242     \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11243     \fb@adjheight
11244     \fb@put@frame#1#2% INSERTED ???
11245 \else % Got material split off at the head
11246     \egroup \fb@resto@set
11247     \ifvoid\@tempboxa % it all fit after all
11248 |         \message{box split at end! }%
11249         \setbox\@tempboxa\box\tw@
11250         \fb@putboxa#1%
11251         \fb@afterframe
11252     \else % it really did split
11253 |         \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
11254         \ifdim\wd\tw@>\z@
11255             \wd\tw@\wd\@tempboxa
11256             \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11257         \else
11258 |         \message{Zero width means likely blank. Don't frame it (guess)}%
11259         \box\tw@
11260         \fi
11261         \hrule \@height\z@ \@width\hsize
11262         \eject

```



```

11263             \fb@adjheight
11264             \fb@put@frame\LastFrameCommand\MidFrameCommand
11265     \fi\fi\fi\fi\fi
11266 }
11267 \def\fb@putboxa#1{%
11268     \ifvoid\@tempboxa
11269         \PackageWarning{framed}{Boxa is void -- discard it. }%
11270     \else
11271         \message{Frame and place boxa. }%
11272         %{\showoutput\showbox\@tempboxa}%
11273         \centerline{#1{\hboxL{\box\@tempboxa}}}%
11274     \fi
11275 }
11276 \catcode`\|=\FrameRestore
11277 \def\FrameRestore{%
11278     \let\if@nobreak\iffalse
11279     \let\if@noskipsec\iffalse
11280     \let\-\@dischyph
11281     \let\'\@acci\let\`\@accii\let\=\@acciii
11282     % \message{FrameRestore:
11283     %     \@totalleftmargin=\the \@totalleftmargin,
11284     %     \rightmargin=\the\rightmargin,
11285     %     \@listdepth=\the\@listdepth. }%
11286     % Test if we are in a list (or list-like paragraph)
11287     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
11288         \ifdim\rightmargin>\z@ 1\fi
11289         \ifnum\@listdepth>\z@ 1\fi 0>\z@
11290         % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
11291         %     \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11292         %     \labelwidth=\the\labelwidth. }%
11293         \@setminipage % snug fit around the item
11294         % Now try to propagate changes of width from \hsize to list parameters.
11295         % This is deficient, but a more advanced way to indicate modification to text
11296         % dimensions is not (yet) provided; in particular, no separate left/right
11297         % adjustment.
11298         \advance\linewidth-\columnwidth \advance\linewidth\hsize
11299         \parshape\@ne \@totalleftmargin \linewidth
11300     \else % Not in list
11301         \linewidth=\hsize
11302         %\message{No list, set \string\linewidth=\the\hsize. }%
11303     \fi
11304     \sloppy
11305 }

```

7.64 ftnright-xetex-bidi.def

```

11306 \ProvidesFile{ftnright-xetex-bidi.def}[2017/05/06 v0.5 bidi adaptations for ftnright package]
11307
11308 \def\LTR@outputdblcol{%
11309     \if@firstcolumn

```



```

11310 \global\@firstcolumnfalse
11311 \global\setbox\@leftcolumn\copy\@outputbox
11312 \global\count\footins\@m
11313 \global\skip\footins\rcol\@footinsskip
11314 \splitmaxdepth\maxdimen
11315 \vbadness\maxdimen
11316 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11317 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11318 \toks@\expandafter{\topmark}%
11319 \xdef\@firstcoltopmark{\the\toks@}%
11320 \toks@\expandafter{\splitfirstmark}%
11321 \xdef\@firstcolfirstmark{\the\toks@}%
11322 \ifx\@firstcolfirstmark\@empty
11323 \global\let\@setmarks\relax
11324 \else
11325 \gdef\@setmarks{%
11326 \let\firstmark\@firstcolfirstmark
11327 \let\topmark\@firstcoltopmark}%
11328 \fi
11329 \else
11330 \preparefootins
11331 \global\@firstcolumntrue
11332 \setbox\@outputbox\vbox{%
11333 \hb@xt@\textwidth{%
11334 \hb@xt@\columnwidth{%
11335 \bidi@firstcolumn@status@write%
11336 \box\@leftcolumn \hss}%
11337 \hfil
11338 {\normalcolor\vrule \@width\columnseprule}%
11339 \hfil
11340 \hb@xt@\columnwidth{%
11341 \bidi@lastcolumn@status@write%
11342 \box\@outputbox \hss}}}%
11343 \@combinedblfloats
11344 \@setmarks
11345 \@outputpage
11346 \beginngroup
11347 \@dblfloatplacement
11348 \@startdblcolumn
11349 \@whilesw\if@fcolmade \fi{\@outputpage
11350 \@startdblcolumn}%
11351 \endgroup
11352 \fi}%
11353
11354
11355
11356 \def\RTL@outputdblcol{%
11357 \if@firstcolumn
11358 \global\@firstcolumnfalse
11359 \global\setbox\@leftcolumn\copy\@outputbox

```



```

11360 \global\count\footins\@m
11361 \global\skip\footins\rcol@footinsskip
11362 \splitmaxdepth\maxdimen
11363 \vbadness\maxdimen
11364 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11365 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11366 \toks@\expandafter{\topmark}%
11367 \xdef\@firstcoltopmark{\the\toks@}%
11368 \toks@\expandafter{\splitfirstmark}%
11369 \xdef\@firstcolfirstmark{\the\toks@}%
11370 \ifx\@firstcolfirstmark\@empty
11371 \global\let\@setmarks\relax
11372 \else
11373 \gdef\@setmarks{%
11374 \let\firstmark\@firstcolfirstmark
11375 \let\topmark\@firstcoltopmark}%
11376 \fi
11377 \else
11378 \preparefootins
11379 \global\@firstcolumntrue
11380 \setbox\@outputbox\vbox{%
11381 \hb@xt@\textwidth{%
11382 \hskip \columnwidth
11383 \hfil
11384 {\normalcolor\vrule \columnseprule}%
11385 \hfil
11386 \hb@xt@\columnwidth{%
11387 \bidi@firstcolumn@status@write%
11388 \box\@leftcolumn \hss}%
11389 \hskip -\textwidth
11390 \hb@xt@\columnwidth{%
11391 \bidi@lastcolumn@status@write%
11392 \box\@outputbox \hss}%
11393 \hskip \columnsep
11394 \hskip \columnwidth }}%
11395 \@combinedblfloats
11396 \@setmarks
11397 \@outputpage
11398 \beginingroup
11399 \@dblfloatplacement
11400 \@startdblcolumn
11401 \@whilesw\if@fcolmade \fi{\@outputpage
11402 \@startdblcolumn}%
11403 \endgroup
11404 \fi}%
11405
11406
11407
11408 \let\leftfootnoterule\@empty
11409 \let\rightfootnoterule\@empty

```



7.65 graphicx-xetex-bidi.def

bidi implementation 259



```

11457 \Gin@defaultbp\Gin@ury{#4}%
11458 \Gininclude@graphics{#5}%
11459 \ifmmode\else\if@RTL\endL\fi\fi
11460 \endgroup}
11461 \def\Gin@ii[#1]#2{%
11462   \def\@tempa{[]}\def\@tempb{#2}%
11463   \ifx\@tempa\@tempb
11464     \def\@tempa{\Gin@iii[#1] []}%
11465     \expandafter\@tempa
11466   \else
11467     \begingroup
11468       \ifmmode\else\if@RTL\beginL\fi\fi
11469       \@tempswafalse
11470       \toks@{\Gininclude@graphics{#2}}%
11471       \setkeys{Gin}{#1}%
11472       \Gin@esetsize
11473       \the\toks@
11474       \ifmmode\else\if@RTL\endL\fi\fi
11475     \endgroup
11476   \fi}
11477 \def\reflectbox{\bidiGscale@box-1[1]}
11478 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11479   \leavevmode
11480   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11481   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11482   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11483   \ifdim#2p<\z@
11484     \ht\tw@-#2\dp\z@
11485     \dp\tw@-#2\ht\z@
11486   \else
11487     \ht\tw@#2\ht\z@
11488     \dp\tw@#2\dp\z@
11489   \fi
11490   \ifdim#1p<\z@
11491     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11492   \else
11493     \wd\tw@#1\wd\z@
11494     \box\tw@
11495   \fi\ifmmode\else\if@RTL\endL\fi\fi}
11496 \def\scalebox#1{%
11497   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
11498 \def\resizebox{%
11499   \leavevmode
11500   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11501 \def\bidiGscale@@box#1#2#3{%
11502   \let\@tempa\Gin@exclamation
11503   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11504   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11505   \ifx\@tempb\@tempa
11506     \ifx\@tempc\@tempa

```



```

11507      \toks@{\mbox}%
11508      \else
11509        \toks@{\bidiGscale@box@odd{#3}#1}%
11510        \fi
11511      \else
11512        \ifx\@tempc\@tempa
11513          \toks@{\bidiGscale@box@odd{#2}\width}%
11514        \else
11515          \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
11516        \fi
11517      \fi
11518      \the\toks@}
11519 \long\def\bidiGscale@box@odd#1#2#3{%
11520   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11521   \setlength\@tempdima{#1}%
11522   \setlength\@tempdimb{#2}%
11523   \Gscale@div\@tempa\@tempdima\@tempdimb
11524   \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11525   \@end@tempboxa}
11526 \long\def\bidiGscale@box@dddd#1#2#3#4#5{%
11527   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL\endR\fi}%
11528   \setlength\@tempdima{#1}%
11529   \setlength\@tempdimb{#2}%
11530   \Gscale@div\@tempa\@tempdima\@tempdimb
11531   \setlength\@tempdima{#3}%
11532   \setlength\@tempdimb{#4}%
11533   \Gscale@div\@tempb\@tempdima\@tempdimb
11534   \ifGin@iso
11535     \ifdim\@tempa\p@>\@tempb\p@
11536       \let\@tempa\@tempb
11537     \else
11538       \let\@tempb\@tempa
11539     \fi
11540   \fi
11541   \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11542   \@end@tempboxa}

```

7.66 geometry-xetex-bidi.def

```

11543 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
11544 \renewcommand*{\Gm@vrules@mpi}{%
11545   \if@RTLmain%
11546     \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11547       \llap{\Gm@vrule}\ignorespaces
11548       \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11549       \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11550     \else%
11551     \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11552       \hskip \textwidth\Gm@vrule\hskip \marginparsep
11553       \llap{\Gm@vrule}\hfil\Gm@vrule\fi}%

```



```

11554 \renewcommand*{\Gm@vrules@mpii}{%
11555 \if@RTLmain%
11556   \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
11557     \hskip \textwidth\Gm@vrule\hskip \marginparsep
11558     \llap{\Gm@vrule}\hfil\Gm@vrule}}%
11559 \else%
11560   \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11561     \llap{\Gm@vrule}\ignorespaces
11562     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11563     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11564 \bidi@patchcmd{\Gm@pageframes}{%
11565   \ifodd\count\z@
11566     \let\@themargin\oddsidemargin
11567   \else
11568     \let\@themargin\evensidemargin
11569   \fi
11570 }{%
11571   \ifodd\count\z@
11572     \if@RTLmain
11573       \let\@themargin\evensidemargin
11574     \else
11575       \let\@themargin\oddsidemargin
11576     \fi
11577   \else
11578     \if@RTLmain
11579       \let\@themargin\oddsidemargin
11580     \else
11581       \let\@themargin\evensidemargin
11582     \fi
11583   \fi
11584 }{}{}

```

7.67 hvfloat-xetex-bidi.def

```

11585 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for
11586 \def\do@hvFloat[#1]#2#3{%
11587 \def\hv@shortCap{#1}
11588 \def\hv@longCap{#2}
11589 \def\hv@label{#3}
11590 %\newcommand*{\hvFloat}[5][[]]{%
11591 % [#1]: keyvalues
11592 % #2: type figure | table | ...
11593 % #3: float contents
11594 % [#4]: short caption
11595 % #5: caption
11596 % #6: label
11597 % \setDefault%
11598 % \def\@tempa{#1}%
11599 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11600 \def\@tempa{90}%

```



```

11601 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11602 \else \setlength{\hvMaxCapWidth}{\linewidth}
11603 \fi
11604 %
11605 % First we save the object in \hvObjectBox
11606 %
11607 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11608 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11609 \else
11610 \savebox{\hvObjectBox}{%
11611 \rotatebox{\hvSet@objectAngle}{%
11612 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11613 \fi
11614 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11615 %
11616 % Now we save the caption with its defined \hvCapWidth
11617 %
11618 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11619 \else
11620 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11621 \else
11622 \setlength{\hvCapWidth}{\hvObjectWidth}
11623 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11624 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11625 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
11626 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
11627 \else
11628 \setlength{\hvCapWidth}{\hvMaxCapWidth}
11629 \fi
11630 \fi
11631 \fi
11632 %
11633 % now we have the object and the caption with the right
11634 % rotated angles saved in boxes
11635 %
11636 \def\fps@figure{\hvSet@floatPos}
11637 \ifhv@nonFloat\begin{group}% Start the nonfloat part
11638 \else \begin{\hv@floatType}% Start the floating environment
11639 \fi%
11640 \saveCaptionSkip% we put this space ourselves
11641 \ifx\hvSet@capAngle\hv@Width % need rotation?
11642 \sbox{\hvCaptionBox}{%
11643 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11644 \ifhv@nonFloat%
11645 \ifhv@onlyText#2%
11646 \else%
11647 \ifx\hv@floatType\hv@figure
11648 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
11649 \else
11650 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%

```



```

11651 \fi
11652 \fi
11653 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11654 \fi%
11655 \label{#3}%
11656 \end{minipage}%
11657 }%
11658 \else%
11659 \sbox{\hvCaptionBox}{%
11660 \rotatebox{\hvSet@capAngle}{%
11661 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11662 \ifhv@nonFloat%
11663 \ifhv@onlyText#2%
11664 \else%
11665 \ifx\hv@floatType\hv@figure
11666 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11667 \else
11668 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11669 \fi
11670 \fi
11671 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11672 \fi%
11673 \label{#3}%
11674 \end{minipage}%
11675 }%
11676 }%
11677 \fi%
11678 %%
11679 \restoreCaptionSkip% save old values
11680 \ifx\hvSet@objectPos\hv@Right\@bidi@raggedleft%
11681 \else%
11682 \ifx\hvSet@objectPos\hv@Center
11683 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11684 \fi%
11685 \fi%
11686 %
11687 % to rotate object and caption together, we save all in another box
11688 % the caption comes first, if its on the left or the top
11689 %
11690 \savebox{\@tempboxa}{%
11691 \ifx\hvSet@capPos\hv@Left % caption on left side
11692 \if@RTL%
11693 \ifx\hvSet@capVPos\hv@Center%
11694 \ifhv@fbox
11695 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11696 \else
11697 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11698 \fi%
11699 \hspace{\hvSet@floatCapSep pt}%
11700 \ifhv@fbox

```



```

11701 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11702 \else
11703 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11704 \fi%
11705 \else%
11706 \ifx\hvSet@capVPos\hv@Top
11707 \ifhv@fbox
11708 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11709 \else
11710 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11711 \fi%
11712 \hspace{\hvSet@floatCapSep pt}%
11713 \ifhv@fbox
11714 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11715 \else
11716 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11717 \fi
11718 \else
11719 \ifhv@fbox
11720 \fbox{\usebox{\hvObjectBox}}%
11721 \else
11722 \usebox{\hvObjectBox}%
11723 \fi
11724 \hspace{\hvSet@floatCapSep pt}%
11725 \ifhv@fbox
11726 \fbox{\usebox{\hvCaptionBox}}%
11727 \else
11728 \usebox{\hvCaptionBox}%
11729 \fi%
11730 \fi%
11731 \fi%
11732 \else% not RTL
11733 \ifx\hvSet@capVPos\hv@Center%
11734 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11735 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11736 \fi%
11737 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11738 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11739 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11740 \fi%
11741 \else%
11742 \ifx\hvSet@capVPos\hv@Top % caption at top
11743 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11744 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11745 \fi
11746 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11747 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11748 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11749 \fi%
11750 \else% caption on bottom

```



```

11751      \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11752      \else\usebox{\hvCaptionBox}
11753      \fi%
11754      \hspace{\hvSet@floatCapSep pt}%
11755      \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11756      \else      \usebox{\hvObjectBox}
11757      \fi%
11758      \fi%
11759 \fi% end of RTL
11760 \fi%
11761 \else
11762 \ifx\hvSet@capPos\hv@Top
11763 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11764 \begin{minipage}{\wd\hvCaptionBox}
11765 \else
11766 \begin{minipage}{\wd\hvObjectBox}
11767 \fi
11768 \centering
11769 \ifhv@fbox
11770 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
11771 \fbbox{\usebox{\hvObjectBox}}
11772 \else
11773 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
11774 \usebox{\hvObjectBox}
11775 \fi%
11776 \end{minipage}
11777 \else
11778 \ifx\hvSet@capPos\hv@Bottom
11779 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11780 \begin{minipage}{\wd\hvCaptionBox}
11781 \else
11782 \begin{minipage}{\wd\hvObjectBox}
11783 \fi
11784 \centering
11785 \ifhv@fbox
11786 \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
11787 \fbbox{\usebox{\hvCaptionBox}}
11788 \else
11789 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
11790 \usebox{\hvCaptionBox}
11791 \fi%
11792 \end{minipage}
11793 \else% the last option: put the caption on the right
11794 \ifRTL%
11795 \ifx\hvSet@capVPos\hv@Center%
11796 \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11797 \else      \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11798 \fi%
11799 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11800 \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}

```



```

11801 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11802 \fi%
11803 \else%
11804 \ifx\hvSet@capVPos\hv@Top % caption at top
11805 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11806 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11807 \fi
11808 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11809 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11810 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11811 \fi%
11812 \else% caption on bottom
11813 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11814 \else\usebox{\hvCaptionBox}
11815 \fi%
11816 \hspace{\hvSet@floatCapSep pt}%
11817 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11818 \else \usebox{\hvObjectBox}
11819 \fi%
11820 \fi%
11821 \fi%
11822 \else% not RTL
11823 \ifx\hvSet@capVPos\hv@Center%
11824 \ifhv@fbox
11825 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11826 \else
11827 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11828 \fi%
11829 \hspace{\hvSet@floatCapSep pt}%
11830 \ifhv@fbox
11831 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11832 \else
11833 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11834 \fi%
11835 \else%
11836 \ifx\hvSet@capVPos\hv@Top
11837 \ifhv@fbox
11838 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11839 \else
11840 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11841 \fi%
11842 \hspace{\hvSet@floatCapSep pt}%
11843 \ifhv@fbox
11844 \fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11845 \else
11846 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11847 \fi
11848 \else
11849 \ifhv@fbox
11850 \fbbox{\usebox{\hvObjectBox}}%

```



```

11851 \else
11852 \usebox{\hvObjectBox}%
11853 \fi
11854 \hspace{\hvSet@floatCapSep pt}%
11855 \ifhv@fbox
11856 \fbox{\usebox{\hvCaptionBox}}}%
11857 \else
11858 \usebox{\hvCaptionBox}%
11859 \fi%
11860 \fi%
11861 \fi
11862 \fi% end of RTL
11863 \fi
11864 \fi
11865 \fi
11866 }% End savebox Object and caption
11867 %
11868 % now we rotate the object and caption, if needed
11869 %
11870 \ifx\hvSet@rotAngle\hv@Zero
11871 \usebox{\@tempboxa}
11872 \else
11873 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
11874 \fi
11875 \ifhv@nonFloat
11876 \ifx\hvSet@objectPos\hv@Center
11877 \ifhv@nonFloat
11878 \hspace{\fill}
11879 \fi
11880 \fi
11881 \endgroup% End the nonfloat part
11882 \else
11883 \end{\hv@floatType}% End the floating environment
11884 \fi
11885 }

```

7.68 hyperref-xetex-bidi.def

```

11886 \ProvidesFile{hyperref-xetex-bidi.def}[2017/08/09 v1.0 bidi adaptations for hyperref package]
11887 \AtBeginDocument{%
11888 \def\contentsline#1#2#3#4{%
11889   \ifx\#4\%
11890     \csname l@#1\endcsname{#2}{#3}%
11891   \else
11892     \ifcase\Hy@linktoc % none
11893       \csname l@#1\endcsname{#2}{#3}%
11894     \or % section
11895       \csname l@#1\endcsname{%
11896         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11897       }{#3}%

```



```

11898 \or % page
11899 \csname l@#1\endcsname{{#2}}{%
11900 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11901 }%
11902 \else % all
11903 \csname l@#1\endcsname{%
11904 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11905 }{%
11906 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11907 }%
11908 \fi
11909 \fi
11910 }
11911 \ifHy@hyperfootnotes
11912 \let\H@@footnotetext\@footnotetext
11913 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
11914 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
11915 \def\xfootnotenext[#1]{%
11916 \begingroup
11917 \csname c@\@mpfn\endcsname #1\relax
11918 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11919 \endgroup
11920 \ifx\@footnotetext\@mpfootnotetext
11921 \expandafter\H@@mpfootnotetext
11922 \else
11923 \expandafter\H@@footnotetext
11924 \fi
11925 }%
11926 \def\xRTLfootnotenext[#1]{%
11927 \begingroup
11928 \csname c@\@mpfn\endcsname #1\relax
11929 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11930 \endgroup
11931 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
11932 \expandafter\HRTL@mpRTLfootnotetext
11933 \else
11934 \expandafter\HRTL@RTLfootnotetext
11935 \fi
11936 }%
11937 \def\xLTRfootnotenext[#1]{%
11938 \begingroup
11939 \csname c@\@mpfn\endcsname #1\relax
11940 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11941 \endgroup
11942 \ifx\@LTRfootnotetext\@mplTRfootnotetext
11943 \expandafter\HLTR@mplTRfootnotetext
11944 \else
11945 \expandafter\HLTR@LTRfootnotetext
11946 \fi
11947 }%

```



```

11948 \def\xfootnotemark[#1]{%
11949 \begingroup
11950 \c@footnote #1\relax
11951 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
11952 \endgroup
11953 \H@@footnotemark
11954 }%
11955 \let\H@@mpfootnotetext\@mpfootnotetext
11956 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
11957 \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
11958 \long\def\@mpfootnotetext#1{%
11959 \H@@mpfootnotetext{%
11960 \ifHy@nesting
11961 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11962 \else
11963 \Hy@raisedlink{%
11964 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11965 }#1%
11966 \fi
11967 }%
11968 }%
11969 \long\def\@mpRTLfootnotetext#1{%
11970 \HRTL@mpRTLfootnotetext{%
11971 \ifHy@nesting
11972 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11973 \else
11974 \Hy@raisedlink{%
11975 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11976 }#1%
11977 \fi
11978 }%
11979 }%
11980 \long\def\@mpLTRfootnotetext#1{%
11981 \HLTR@mpLTRfootnotetext{%
11982 \ifHy@nesting
11983 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11984 \else
11985 \Hy@raisedlink{%
11986 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11987 }#1%
11988 \fi
11989 }%
11990 }%
11991 \long\def\@footnotetext#1{%
11992 \H@@footnotetext{%
11993 \ifHy@nesting
11994 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11995 \else
11996 \Hy@raisedlink{%
11997 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%

```



```

11998     }%
11999     \let\@currentHlabel\Hy@footnote@currentHlabel
12000     \let\@currentHref\Hy@footnote@currentHref
12001     \let\@currentlabelname\@empty
12002     #1%
12003     \fi
12004 }%
12005 }%
12006 \long\def\@RTLfootnotetext#1{%
12007 \HRTL@RTLfootnotetext{%
12008     \ifHy@nesting
12009     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12010     \else
12011     \Hy@raisedlink{%
12012     \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12013     }%
12014     \let\@currentHlabel\Hy@footnote@currentHlabel
12015     \let\@currentHref\Hy@footnote@currentHref
12016     \let\@currentlabelname\@empty
12017     #1%
12018     \fi
12019 }%
12020 }%
12021 \long\def\@LTRfootnotetext#1{%
12022 \HLTR@LTRfootnotetext{%
12023     \ifHy@nesting
12024     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12025     \else
12026     \Hy@raisedlink{%
12027     \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12028     }%
12029     \let\@currentHlabel\Hy@footnote@currentHlabel
12030     \let\@currentHref\Hy@footnote@currentHref
12031     \let\@currentlabelname\@empty
12032     #1%
12033     \fi
12034 }%
12035 }%
12036 \@ifpackageloaded{tabularx}{%
12037 \let\HyOrg@TX@endtabularx\TX@endtabularx
12038 \def\Hy@tabularx@hook{%
12039     \let\@footnotetext\H@@footnotetext
12040     \let\@LTRfootnotetext\HLTR@LTRfootnotetext
12041     \let\@RTLfootnotetext\HRTL@RTLfootnotetext
12042     \let\@footnotemark\H@@footnotemark
12043     \let\@mpfootnotetext\H@@mpfootnotetext
12044     \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
12045     \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
12046 }%
12047 \begingroup

```



```

12048     \toks@ \expandafter{\TX@endtabularx}%
12049     \xdef\Hy@gtemp{%
12050         \noexpand\Hy@tabularx@hook
12051         \the\toks@
12052     }%
12053     \endgroup
12054     \let\TX@endtabularx\Hy@gtemp
12055 }{}%
12056 \@ifpackageloaded{longtable}{%
12057     \CheckCommand*{\LT@p@LTRftntext}[1]{%
12058         \edef\@tempa{%
12059             \the\LT@p@ftn
12060             \noexpand\LTRfootnotetext[\the\c@footnote]%
12061         }%
12062         \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12063     }%
12064     \long\def\LT@p@LTRftntext#1{%
12065         \edef\@tempa{%
12066             \the\LT@p@ftn
12067             \begingroup
12068                 \noexpand\c@footnote=\the\c@footnote\relax
12069                 \noexpand\protected@xdef\noexpand\@thefnmark{%
12070                     \noexpand\thempfn
12071                 }%
12072                 \noexpand\Hy@LT@LTRfootnotetext{%
12073                     \Hy@footnote@currentHref
12074                 }%
12075             }%
12076             \global\LT@p@ftn\expandafter{%
12077                 \@tempa{#1}%
12078             }%
12079         }%
12080     }%
12081     \long\def\Hy@LT@LTRfootnotetext#1#2{%
12082         \HLTR@@LTRfootnotetext{%
12083             \ifHy@nesting
12084                 \hyper@@anchor{#1}{#2}%
12085             \else
12086                 \Hy@raisedlink{%
12087                     \hyper@@anchor{#1}{\relax}%
12088                 }%
12089                 \def\@currentHref{#1}%
12090                 \let\@currentlabelname\@empty
12091                 #2%
12092             \fi
12093         }%
12094     }%
12095     \CheckCommand*{\LT@p@RTLftntext}[1]{%
12096         \edef\@tempa{%
12097             \the\LT@p@ftn

```



```

12098      \noexpand\RTLfootnotetext[\the\c@footnote]%
12099    }%
12100    \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12101  }%
12102  \long\def\LT@p@RTLftntext#1{%
12103    \edef\@tempa{%
12104      \the\LT@p@ftn
12105      \begingroup
12106        \noexpand\c@footnote=\the\c@footnote\relax
12107        \noexpand\protected@xdef\noexpand\@thefnmark{%
12108          \noexpand\thempfn
12109        }%
12110        \noexpand\Hy@LT@RTLfootnotetext{%
12111          \Hy@footnote@currentHref
12112        }%
12113      }%
12114      \global\LT@p@ftn\expandafter{%
12115        \@tempa{#1}%
12116      \endgroup
12117    }%
12118  }%
12119  \long\def\Hy@LT@RTLfootnotetext#1#2{%
12120    \HRTL@RTLfootnotetext{%
12121      \ifHy@nesting
12122        \hyper@@anchor{#1}{#2}%
12123      \else
12124        \Hy@raisedlink{%
12125          \hyper@@anchor{#1}{\relax}%
12126        }%
12127        \def\@currentHref{#1}%
12128        \let\@currentlabelname\@empty
12129        #2%
12130      \fi
12131    }%
12132  }%
12133  }{}%
12134  \ifpackageloaded{bidipoem}{%
12135    \long\def\bidipoem@p@ftntext#1{%
12136      \edef\@tempx{%
12137        \the\bidipoem@p@ftn
12138        \begingroup
12139          \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12140          \noexpand\protected@xdef\noexpand\@thefnmark{%
12141            \noexpand\thempfn
12142          }%
12143          \noexpand\Hy@bidipoem@footnotetext{%
12144            \Hy@footnote@currentHref
12145          }%
12146        }%
12147      \global\bidipoem@p@ftn\expandafter{%

```



```

12148         \@temp{#1}%
12149     \endgroup
12150 }%
12151 }%
12152 \long\def\Hy@bidipoem@footnotetext#1#2{%
12153     \H@@footnotetext{%
12154         \ifHy@nesting
12155             \hyper@@anchor{#1}{#2}%
12156         \else
12157             \Hy@raisedlink{%
12158                 \hyper@@anchor{#1}{\relax}%
12159             }%
12160             \def\@currentHref{#1}%
12161             \let\@currentlabelname\@empty
12162             #2%
12163         \fi
12164     }%
12165 }%
12166 \long\def\bidipoem@p@LTRftntext#1{%
12167     \edef\@tempxi{%
12168         \the\bidipoem@p@ftn
12169         \begingroup
12170             \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12171             \noexpand\protected@xdef\noexpand\@thefnmark{%
12172                 \noexpand\thempfn
12173             }%
12174             \noexpand\Hy@bidipoem@LTRfootnotetext{%
12175                 \Hy@footnote@currentHref
12176             }%
12177         }%
12178         \global\bidipoem@p@ftn\expandafter{%
12179             \@tempxi{#1}%
12180         \endgroup
12181     }%
12182 }%
12183 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
12184     \HLTR@@LTRfootnotetext{%
12185         \ifHy@nesting
12186             \hyper@@anchor{#1}{#2}%
12187         \else
12188             \Hy@raisedlink{%
12189                 \hyper@@anchor{#1}{\relax}%
12190             }%
12191             \def\@currentHref{#1}%
12192             \let\@currentlabelname\@empty
12193             #2%
12194         \fi
12195     }%
12196 }%
12197 \long\def\bidipoem@p@RTLftntext#1{%

```



```

12198 \edef\@tempxiif%
12199 \the\bidipoem@p@ftn
12200 \begingroup
12201 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12202 \noexpand\protected@xdef\noexpand\@thefnmark{%
12203 \noexpand\thempfn
12204 }%
12205 \noexpand\Hy@bidipoem@RTLfootnotetext{%
12206 \Hy@footnote@currentHref
12207 }%
12208 }%
12209 \global\bidipoem@p@ftn\expandafter{%
12210 \@tempxiif{#1}%
12211 \endgroup
12212 }%
12213 }%
12214 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
12215 \HRTL@RTLfootnotetext{%
12216 \ifHy@nesting
12217 \hyper@@anchor{#1}{#2}%
12218 \else
12219 \Hy@raisedlink{%
12220 \hyper@@anchor{#1}{\relax}%
12221 }%
12222 \def\@currentHref{#1}%
12223 \let\@currentlabelname\@empty
12224 #2%
12225 \fi
12226 }%
12227 }%
12228 }{}%
12229 \let\HyOrg@maketitle\maketitle
12230 \def\maketitle{%
12231 \let\Hy@saved@footnotemark\@footnotemark
12232 \let\Hy@saved@footnotetext\@footnotetext
12233 \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
12234 \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
12235 \let\@footnotemark\H@@footnotemark
12236 \let\@footnotetext\H@@footnotetext
12237 \let\@RTLfootnotetext\HRTL@RTLfootnotetext
12238 \let\@LTRfootnotetext\HLTR@LTRfootnotetext
12239 \@ifnextchar[\Hy@maketitle@optarg{% ]
12240 \HyOrg@maketitle
12241 \Hy@maketitle@end
12242 }%
12243 }%
12244 \def\Hy@maketitle@optarg[#1]{%
12245 \HyOrg@maketitle[#{1}]%
12246 \Hy@maketitle@end
12247 }%

```



```

12248 \def\Hy@maketitle@end{%
12249 \ifx\@footnotemark\H@@footnotemark
12250 \let\@footnotemark\Hy@saved@footnotemark
12251 \fi
12252 \ifx\@footnotetext\H@@footnotetext
12253 \let\@footnotetext\Hy@saved@footnotetext
12254 \fi
12255 \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
12256 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12257 \fi
12258 \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
12259 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12260 \fi
12261 }%
12262 \def\realfootnote{%
12263 \@@ifnextchar[\@xfootnote{%
12264 \stepcounter{\@mpfn}%
12265 \protected@xdef\@thefnmark{\thempfn}%
12266 \H@@footnotemark\H@@footnotetext
12267 }%
12268 }%
12269 \fi
12270 \def\Hy@BeginAnnot#1{%
12271 \ifmmode\else\beginL\fi%
12272 \global\advance\c@Hy@AnnotLevel\@ne
12273 \ifnum\c@Hy@AnnotLevel=\@ne
12274 #1%
12275 \fi
12276 }
12277 \def\Hy@endAnnot{%
12278 \ifnum\c@Hy@AnnotLevel=\@ne
12279 \Hy@endcolorlink
12280 \@pdfm@mark{eann}%
12281 \fi
12282 \global\advance\c@Hy@AnnotLevel\m@ne
12283 \ifmmode\else\endL\fi%
12284 }
12285 \def\hyper@link#1#2#3{%
12286 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\
12287 }
12288 \def\hyper@linkfile#1#2#3{%
12289 \leavevmode
12290 \Hy@BeginAnnot{%
12291 \def\Hy@pstringF{#2}%
12292 \Hy@CleanupFile\Hy@pstringF
12293 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
12294 \Hy@pstringdef\Hy@pstringD{#3}%
12295 \Hy@MakeRemoteAction
12296 \@pdfm@mark{%
12297 bann<<%

```



```

12298         /Type/Annot%
12299         /Subtype/Link%
12300         \ifHy@pdfa /F 4\fi
12301         \Hy@setpdfborder
12302         \ifx\@filebordercolor\relax
12303         \else
12304             /C[\@filebordercolor]%
12305         \fi
12306         /A<<%
12307             /S/GoToR%
12308             /F(\Hy@pstringF)%
12309             /D%
12310             \ifx\#3\%
12311                 [\Hy@href@page\@pdfremotestartview]%
12312             \else
12313                 (\Hy@pstringD)%
12314             \fi
12315             \Hy@SetNewWindow
12316             \Hy@href@nextactionraw
12317         >>%
12318     >>%
12319     }%
12320     \Hy@colorlink\@filecolor
12321 }%
12322 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12323 \Hy@endAnnot
12324 }
12325 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
12326 \leavevmode
12327 \Hy@BeginAnnot{%
12328     \Hy@pstringdef\Hy@pstringF{#1}%
12329     \Hy@pstringdef\Hy@pstringP{#3}%
12330     \@pdfm@mark{%
12331         bann<<%
12332             /Type/Annot%
12333             /Subtype/Link%
12334             \ifHy@pdfa /F 4\fi
12335             \Hy@setpdfborder
12336             \ifx\@runbordercolor\relax
12337             \else
12338                 /C[\@runbordercolor]%
12339             \fi
12340             /A<<%
12341                 /F(\Hy@pstringF)%
12342                 /S/Launch%
12343                 \Hy@SetNewWindow
12344                 \ifx\#3\%
12345                 \else
12346                     /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
12347                 \fi

```



```

12348         \Hy@href@nextactionraw
12349         >>%
12350         >>%
12351     }%
12352     \Hy@colorlink\@runcolor
12353 }%
12354 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12355 \Hy@EndAnnot
12356 }
12357 \def\hyper@linkurl#1#2{%
12358     \leavevmode
12359     \Hy@BeginAnnot{%
12360         \Hy@pstringdef\Hy@pstringURI{#2}%
12361         \@pdfm@mark{%
12362             bann<<%
12363             /Type/Annot%
12364             /Subtype/Link%
12365             \ifHy@pdfa /F 4\fi
12366             \Hy@setpdfborder
12367             \ifx\@urlbordercolor\relax
12368             \else
12369                 /C[\@urlbordercolor]%
12370             \fi
12371             /A<<%
12372             /S/URI%
12373             /URI(\Hy@pstringURI)%
12374             \ifHy@href@ismap
12375                 /IsMap true%
12376             \fi
12377             \Hy@href@nextactionraw
12378             >>%
12379             >>%
12380         }%
12381         \Hy@colorlink\@urlcolor
12382     }%
12383     \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12384     \Hy@EndAnnot
12385 }
12386 \def\Acrobatmenu#1#2{%
12387     \Hy@Acrobatmenu{#1}{#2}{%
12388         \Hy@BeginAnnot{%
12389             \EdefEscapeName\Hy@temp@menu{#1}%
12390             \@pdfm@mark{%
12391                 bann<<%
12392                 /Type/Annot%
12393                 /Subtype/Link%
12394                 \ifHy@pdfa /F 4\fi
12395                 \Hy@setpdfborder
12396                 \ifx\@menubordercolor\relax
12397                 \else

```



```

12398         /C[\@menubordercolor]%
12399         \fi
12400         /A<<%
12401         /S/Named%
12402         /N/\Hy@temp@menu
12403         \Hy@href@nextactionraw
12404         >>%
12405         >>%
12406     }%
12407     \Hy@colorlink\@menucolor
12408 }%
12409 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12410 \Hy@endAnnot
12411 }%
12412 }
12413 \def\hyper@natlinkstart#1{%
12414     \Hy@backout{#1}%
12415     \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
12416     \def\hyper@nat@current{#1}%
12417 }
12418 \def\hyper@natlinkend{%
12419     \if@RTL\endR\fi\hyper@linkend
12420 }
12421 \def\hyper@natlinkbreak#1#2{%
12422     \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
12423 }%
12424 }
12425 \pdfstringdefDisableCommands{%
12426     \let\LRE\@firstofone
12427     \let\LR\@firstofone
12428     \let\RLE\@firstofone
12429     \let\RL\@firstofone
12430     \def\XeTeX{XeTeX}
12431     \def\XeLaTeX{XeLaTeX}
12432 }
12433 \@ifpackageloaded{longtable}{%
12434     \begingroup
12435         \def\y{\LT@array}%
12436         \@ifundefined{scr@LT@array}{%
12437             \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
12438         }{\def\y{\scr@LT@array}}%
12439         \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
12440             \expandafter\endgroup
12441             \expandafter\def\y[##1]##2{%
12442                 \H@refstepcounter{#1}%
12443                 \hyper@makecurrent{table}%
12444                 \let\Hy@LT@currentHref\@currentHref
12445                 #2\@sharp###4%
12446             }%
12447         }%

```



```

12448 \expandafter\expandafter\expandafter\x\y[{#1}]{#2}\@nil
12449 \begingroup
12450 \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12451 \endgroup
12452 \def\LT@start{%
12453 #1%
12454 \ifvoid\LT@foot#2\fi
12455 \let\@currentHref\Hy@LT@currentHref
12456 \Hy@raisedlink{%
12457 \hyper@anchorstart{\@currentHref}\hyper@anchorend
12458 }%
12459 #3%
12460 }%
12461 }%
12462 \expandafter\x\LT@start\@nil
12463 }{}

```

7.6g imspc-xetex-bidi.def

```

12464 \ProvidesFile{imspc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspc class for ]
12465 \newenvironment{thebibliography}[1]{%
12466 \@bibtitlestyle
12467 \normalfont\bibliofont\labelsep .5em\relax
12468 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
12469 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12470 \bidi@@thebibliography@font@hook
12471 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
12472 \leftmargin\labelwidth \advance\leftmargin\labelsep
12473 \usecounter{enumiv}}}%
12474 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
12475 \sfcode`\.=\@m
12476 }{%
12477 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
12478 \endlist
12479 }
12480
12481 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
12482 \columnseprule\z@ \columnsep 35\p@
12483 \@indextitlestyle
12484 \thispagestyle{plain}}%
12485 \let\item\@idxitem
12486 \parindent\z@ \parskip\z@\@plus.3\p@\relax
12487 \if@RTL\raggedleft\else\raggedright\fi
12488 \hyphenpenalty\@M
12489 \footnotesize}
12490 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
12491 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
12492 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
12493
12494 \def\right@footnoterule{%

```



```

12495 \kern-.4\p@
12496 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
12497 \kern11\p@\kern-\footnotesep}
12498 \def\left@footnoterule{\kern-.4\p@
12499 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
12500 \def\@makefnmark{%
12501 \leavevmode
12502 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
12503 }
12504
12505 \def\part{\@startsection{part}{0}%
12506 \z@\{ \linespacing\@plus\linespacing\}{.5\linespacing}%
12507 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
12508 \def\@tocline#1#2#3#4#5#6#7{\relax
12509 \ifnum #1>\c@tocdepth % then omit
12510 \else
12511 \par \addpenalty\@secpenalty\addvspace{#2}%
12512 \begingroup \hyphenpenalty\@M
12513 \@ifempty{#4}{%
12514 \@tempdima\csname r@tocindent\number#1\endcsname\relax
12515 }{%
12516 \@tempdima#4\relax
12517 }%
12518 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#4\relax
12519 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
12520 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
12521 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
12522 \nobreak
12523 \endgroup
12524 \fi}
12525 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
12526 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
12527 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
12528 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
12529 \def\maketitle{\par
12530 \@topnum\z@ % this prevents figures from falling at the top of page 1
12531 \@setcopyright
12532 \thispagestyle{firstpage}% this sets first page specifications
12533 \uppercase\nonmath\shorttitle
12534 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
12535 \else \andify\shortauthors
12536 \fi
12537 \@maketitle@hook
12538 \begingroup
12539 \@maketitle
12540 \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}}%
12541 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
12542 \edef\@tempa{%
12543 \@nx\markboth{\the\toks4
12544 \@nx\MakeUppercase{\the\toks0}}{\the\@temptokena}}%

```



```

12545 \@tempa
12546 \endgroup
12547 \c@footnote\z@
12548 \@cleartopmattertags
12549 }

```

7.70 leqno-xetex-bidi.def

```

12550 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX
12551 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
12552 \rlap{
12553 \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theeq

```

7.71 letter-xetex-bidi.def

```

12554 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter cla
12555 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
12556 \thispagestyle{firstpage}%
12557 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12558 \else % home address
12559 \thispagestyle{empty}%
12560 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l
12561 \fromaddress \*[2\parskip]%
12562 \@date \end{tabular}\par}%
12563 \fi
12564 \vspace{2\parskip}%
12565 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
12566 \vspace{2\parskip}%
12567 #1\par\nobreak}
12568 \renewcommand\left@footnoterule{%
12569 \kern-\p@
12570 \hrule \@width .4\columnwidth
12571 \kern .6\p@}
12572 \renewcommand\right@footnoterule{%
12573 \kern-\p@
12574 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12575 \kern .6\p@}

```

7.72 lettrine-xetex-bidi.def

```

12576 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package
12577 \def\@lettrine[#1]#2#3{%
12578 \setcounter{L@lines}{\theDefaultLines}%
12579 \setcounter{L@depth}{\theDefaultDepth}%
12580 \renewcommand*{\L@hang}{\DefaultLhang}%
12581 \renewcommand*{\L@oversize}{\DefaultLoversize}%
12582 \renewcommand*{\L@raise}{\DefaultLraise}%
12583 \renewcommand*{\L@ante}{}%
12584 \setlength{\L@Findent}{\DefaultFindent}%
12585 \setlength{\L@Nindent}{\DefaultNindent}%
12586 \setlength{\L@slope}{\DefaultSlope}%
12587 \setlength{\L@novskip}{\DiscardVskip}%

```



```

12588 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12589 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12590 \if\DefaultOptionsFile\relax
12591 \else
12592 \begingroup
12593 \InputIfFileExists{\DefaultOptionsFile}%
12594 {}%
12595 {\PackageWarning{lettrine.sty}%
12596 {File \DefaultOptionsFile\space not found}}%
12597 }%
12598 \def\color##1##{\l@color{##1}}%
12599 \let\l@color\@gobbletwo
12600 \def\textcolor##1##{\l@textcolor{##1}}%
12601 \def\l@textcolor##1##2##3{##3}%
12602 \expandafter\ifx\csname l@#2-keys\endcsname\relax
12603 \gdef\l@LOKeys{}%
12604 \else
12605 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
12606 \fi
12607 \endgroup
12608 \def\KV@prefix{KV@L@}%
12609 \let\@tempc\relax
12610 \expandafter\KV@do\l@LOKeys,\relax,
12611 \sbox{\L@lbox}{\LettrineFont #2}%
12612 \setlength{\LettrineWidth}{\wd\L@lbox}%
12613 \def\KV@prefix{KV@L@}%
12614 \let\@tempc\relax
12615 \expandafter\KV@do\l@LOKeys,\relax,
12616 \fi
12617 \setkeys{L}{#1}%
12618 \ifL@image
12619 \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12620 \else
12621 \sbox{\L@lbox}{\LettrineFont #2}%
12622 \fi
12623 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12624 \@tempdima=\baselineskip
12625 \ifnum\theL@lines=1
12626 \setlength{\L@first}{\ht\L@lbox}%
12627 \addtolength{\L@first}{-\ht\L@tbox}%
12628 \setlength{\L@lraise}{\z@}%
12629 \else
12630 \setlength{\L@first}{-\theL@lines\@tempdima}%
12631 \addtolength{\L@first}{\@tempdima}%
12632 \sbox{\@tempboxa}{\LettrineTextFont x}%
12633 \addtolength{\L@first}{-\ht\@tempboxa}%
12634 \setlength{\L@lraise}{-\L@raise\L@first}%
12635 \addtolength{\L@first}{\L@lraise}%
12636 \addtolength{\L@first}{\ht\L@lbox}%
12637 \addtolength{\L@lraise}{-\theL@lines\@tempdima}%

```



```

12638     \addtolength{\L@lraise}{\@tempdima}%
12639 \fi
12640 \par
12641 \ifdim\L@first>\L@novskip
12642     \ifL@grid
12643         \@tempdima=\baselineskip
12644         \@tempdimb=\@tempdima
12645         \advance\@tempdimb by \L@novskip
12646         \@tempcnta=1
12647         \loop\ifdim\L@first>\@tempdimb
12648             \advance\@tempcnta by 1
12649             \advance\L@first by -\@tempdima
12650         \repeat
12651         \vskip\@tempcnta\baselineskip
12652     \else
12653         \vskip\L@first
12654     \fi
12655 \fi
12656 \setlength{\L@Pindent}{\wd\L@lbox}%
12657 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12658 \settowidth{\L@first}{\L@ante}%
12659 \addtolength{\L@Pindent}{\L@first}%
12660 \addtolength{\L@Pindent}{\L@Findent}%
12661 \setlength{\L@first}{\linewidth}%
12662 \addtolength{\L@first}{-\L@Pindent}%
12663 \addtolength{\L@Nindent}{\L@Pindent}%
12664 \setlength{\L@next}{\linewidth}%
12665 \addtolength{\L@next}{-\L@Nindent}%
12666 \addtolength{\L@Pindent}{\rightmargin}%
12667 \addtolength{\L@Nindent}{\rightmargin}%
12668 \setlength{\LettrineWidth}{\wd\L@lbox}%
12669 \setlength{\LettrineHeight}{\ht\L@lbox}%
12670 \setlength{\LettrineDepth}{\dp\L@lbox}%
12671 \addtocounter{L@lines}{1}%
12672 \addtocounter{L@lines}{\the\c@L@depth}%
12673 \if@RTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@P
12674 \@tempcnta=\tw@
12675 \@whilenum \@tempcnta<\c@L@lines\do{%
12676     \if@RTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \t
12677     \addtolength{\L@Nindent}{\L@slope}%
12678     \addtolength{\L@next}{-\L@slope}%
12679     \advance\@tempcnta\@ne}%
12680 \if@RTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \
12681 \noindent
12682 \parshape=\L@parshape\relax
12683 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
12684     \hskip \the\L@Findent}}%
12685 \usebox{\L@tbox}%
12686 }

```



7.73 listings-xetex-bidi.def

```

12687 \ProvidesFile{listings-xetex-bidi.def}[2017/01/14 v1.4 bidi adaptations for listings package]
12688 \lst@Key{captiondirection}{textdirection}{%
12689   \lstKV@SwitchCases{#1}%
12690   {textdirection&\\%
12691     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
12692     LTR&\chardef\bidi@lst@caption@direction\z@%
12693   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12694
12695 \lst@Key{captionscript}{textscript}{%
12696   \lstKV@SwitchCases{#1}%
12697   {textscript&\\%
12698     latin&\chardef\bidi@lst@caption@script\@ne\\%
12699     nonlatin&\chardef\bidi@lst@caption@script\z@%
12700   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12701
12702 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
12703   \@ifundefined{bidi@lst@caption@direction}{-}{%
12704     \ifnum\bidi@lst@caption@direction=\z@%
12705       #1%
12706     \else%
12707       \ifnum\bidi@lst@caption@direction=\@ne%
12708         #2%
12709       \fi%
12710     \fi%
12711   }}
12712
12713 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
12714   \@ifundefined{bidi@lst@caption@script}{-}{%
12715     \ifnum\bidi@lst@caption@script=\z@%
12716       #1%
12717     \else%
12718       \ifnum\bidi@lst@caption@script=\@ne%
12719         #2%
12720       \fi%
12721     \fi%
12722   }}
12723
12724 \long\def\bidi@lst@makecaption#1#2{%
12725   \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
12726   \vskip\abovcaptionskip
12727   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12728   \sbox\@tempboxa{%
12729     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
12730     #1: #2%
12731     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
12732   }%
12733   \ifdim \wd\@tempboxa >\hsize
12734     #1: #2\par

```



```

12735 \else
12736 \global \@minipagefalse
12737 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12738 \fi
12739 \vskip\belowcaptionskip}%
12740 \def\lst@makecaption{\@bidi\lst@makecaption}
12741 \def\lst@maketitle{\@bidi\lst@makecaption\lst@title@dropdelim}
12742 \bidi@AtEndPreamble{%
12743 \bidi@patchcmd{\lst@MakeCaption}{%
12744 \ifx #1%
12745 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12746 \expandafter\refstepcounter
12747 \fi {lstlisting}}%
12748 }{%
12749 \ifx #1%
12750 \bidi\lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12751 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12752 \expandafter\refstepcounter
12753 \fi {lstlisting}}%
12754 \bidi\lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
12755 }{}{}%
12756 \bidi@patchcmd{\lst@MakeCaption}{%
12757 \addcontentsline{lol}{lstlisting}%
12758 {\protect\numberline{\thelstlisting}\lst@@caption}%
12759 }{}%
12760 \begingroup%
12761 \bidi\lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12762 \addcontentsline{lol}{lstlisting}%
12763 {\protect\numberline{\thelstlisting}\lst@@caption}%
12764 \endgroup%
12765 }{}{}%
12766 }
12767 \ifpackageloaded{caption}{%
12768 \AtBeginCaption{%
12769 \bidi\lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
12770 \bidi\lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12771 }
12772 \let\@bidi\lst@makecaption\caption@makecaption%
12773 \def\lst@makecaption{\caption@starfalse\@bidi\lst@makecaption}%
12774 \def\lst@maketitle{\caption@startrue\@bidi\lst@makecaption\@empty}%
12775 }{}%
12776 \AtBeginDocument{%
12777 \ifundefined{captionlabelfalse}{%
12778 \def\lst@maketitle{\captionlabelfalse\@bidi\lst@makecaption\@empty}}%
12779 \ifundefined{caption@startrue}{%
12780 \def\lst@maketitle{\caption@startrue\@bidi\lst@makecaption\@empty}}%
12781 }%
12782 }
12783 \AtBeginDocument{
12784 \ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{%

```



```

12785 \lst@ifnumberbychapter
12786     \gdef\thelstlisting%
12787         {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
12788 \else
12789     \gdef\thelstlisting{\@arabic\c@lstlisting}
12790 \fi}

```

7.74 loadingorder-xetex-bidi.def

```

12791 \ProvidesFile{loadingorder-xetex-bidi.def}[2015/10/16 v0.96 making sure that bidi is the last
12792 \bidi@isloaded{amsmath}
12793 \bidi@isloaded{amstext}
12794 \bidi@isloaded{amsthm}
12795 \bidi@isloaded{animate}
12796 \bidi@isloaded{breqn}
12797 \bidi@isloaded{cals}
12798 \bidi@isloaded{caption}
12799 \bidi@isloaded{crop}
12800 \bidi@isloaded{cuted}
12801 \bidi@isloaded{cutwin}
12802 \bidi@isloaded{color}
12803 \bidi@isloaded{dblfnote}
12804 \bidi@isloaded{xcolor}
12805 \bidi@isloaded{colortbl}
12806 \bidi@isloaded{float}
12807 \bidi@isloaded{floatrow}
12808 \bidi@isloaded{flowfram}
12809 \bidi@isloaded{framed}
12810 \bidi@isloaded{ftnright}
12811 \bidi@isloaded{xltextra}
12812 \bidi@isloaded{xunicode}
12813 \bidi@isloaded{wrapfig}
12814 \bidi@isloaded{graphicx}
12815 \bidi@isloaded{geometry}
12816 \bidi@isloaded{hvfloat}
12817 \bidi@isloaded{mdframed}
12818 \bidi@isloaded{midfloat}
12819 \bidi@isloaded{ntheorem}
12820 \bidi@isloaded{ntheorem-hyper}
12821 \bidi@isloaded{hyperref}
12822 \bidi@isloaded{fancybox}
12823 \bidi@isloaded{fancyhdr}
12824 \bidi@isloaded{fix2col}
12825 \bidi@isloaded{draftwatermark}
12826 \bidi@isloaded{empheq}
12827 \bidi@isloaded{overpic}
12828 \bidi@isloaded{pdfpages}
12829 \bidi@isloaded{listings}
12830 \bidi@isloaded{lettrine}
12831 \bidi@isloaded{media9}

```



```

12832 \bidi@isloaded{pstricks}
12833 \bidi@isloaded{pgf}
12834 \bidi@isloaded{picinpar}
12835 \bidi@isloaded{quotchap}
12836 \bidi@isloaded{tikz}
12837 \bidi@isloaded{titlesec}
12838 \bidi@isloaded{titletoc}
12839 \bidi@isloaded{array}
12840 \bidi@isloaded{soul}
12841 \bidi@isloaded{stabular}
12842 \bidi@isloaded{subfig}
12843 \bidi@isloaded{subfigure}
12844 \bidi@isloaded{supertabular}
12845 \bidi@isloaded{xtab}
12846 \bidi@isloaded{longtable}
12847 \bidi@isloaded{arydshln}
12848 \bidi@isloaded{multicol}
12849 \bidi@isloaded{multienum}
12850 \bidi@isloaded{minitoc}
12851 \bidi@isloaded{natbib}
12852 \bidi@isloaded{newfloat}
12853 \bidi@isloaded{ragged2e}
12854 \bidi@isloaded{rotating}
12855 \bidi@isloaded{tabls}
12856 \bidi@isloaded{tabulary}
12857 \bidi@isloaded{tocbasic}
12858 \bidi@isloaded{tocstyle}
12859 \bidi@isloaded{tocbibind}
12860 \bidi@isloaded{fontspec}
12861 \bidi@isloaded{arabxetex}
12862 \bidi@isloaded{polyglossia}
12863 \bidi@isloaded{fancyvrb}
12864 \AtBeginDocument{
12865   \if@bidi@amsmathloaded@%else
12866     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi packag
12867   \fi%
12868   \if@bidi@amstextloaded@%else
12869     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi packag
12870   \fi%
12871   \if@bidi@amsthmloaded@%else
12872     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi packag
12873   \fi%
12874   \if@bidi@animateloaded@%else
12875     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi packag
12876   \fi%
12877   \if@bidi@breqnloaded@%else
12878     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package
12879   \fi%
12880   \if@bidi@calsloaded@%else
12881     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cal after bidi package.

```



```

12882 \fi%
12883 \if@bidi@captionloaded@else
12884 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi packa
12885 \fi%
12886 \if@bidi@croploded@else
12887 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package.
12888 \fi%
12889 \if@bidi@colorloaded@else
12890 \@ifpackageloaded{hyperref}{}{%
12891 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package
12892 \fi%
12893 \if@bidi@cutwinloaded@else
12894 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi packag
12895 \fi%
12896 \if@bidi@cutedloaded@else
12897 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package
12898 \fi%
12899 \if@bidi@dblfnoteloaded@else
12900 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pack
12901 \fi%
12902 \if@bidi@xcolorloaded@else
12903 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi packag
12904 \fi%
12905 \if@bidi@colortblloaded@else
12906 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pack
12907 \fi%
12908 \if@bidi@floatloaded@else
12909 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package
12910 \fi%
12911 \if@bidi@floatrowloaded@else
12912 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pack
12913 \fi%
12914 \if@bidi@flowframloaded@else
12915 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pack
12916 \fi%
12917 \if@bidi@framedloaded@else
12918 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packag
12919 \fi%
12920 \if@bidi@ftnrightloaded@else
12921 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pack
12922 \fi%
12923 \if@bidi@xltxtraloaded@else
12924 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi packa
12925 \fi%
12926 \if@bidi@xunicodeloaded@else
12927 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pack
12928 \fi%
12929 \if@bidi@wrapfigloaded@else
12930 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi packa
12931 \fi%

```



```

12932 \if@bidi@graphicxloaded@else
12933   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pack
12934 \fi%
12935   \if@bidi@geometryloaded@else
12936   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pack
12937 \fi%
12938 \if@bidi@hvfloatloaded@else
12939   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi packa
12940 \fi%
12941   \if@bidi@mdframedloaded@else
12942   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pack
12943 \fi%
12944   \if@bidi@midfloatloaded@else
12945   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pack
12946 \fi%
12947   \if@bidi@ntheoremloaded@else
12948   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pack
12949 \fi%
12950 \if@bidi@hyperrefloaded@else
12951   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pack
12952 \fi%
12953   \if@bidi@fancyboxloaded@else
12954   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pack
12955 \fi%
12956 \if@bidi@fancyhdrloaded@else
12957   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pack
12958 \fi%
12959 \if@bidi@draftwatermarkloaded@else
12960   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bid
12961 \fi%
12962 \if@bidi@empheqloaded@else
12963   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi packag
12964 \fi%
12965   \if@bidi@overpicloaded@else
12966   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi packa
12967 \fi%
12968 \if@bidi@pdfpagesloaded@else
12969   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pack
12970 \fi%
12971 \if@bidi@lettrineloaded@else
12972   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi pack
12973 \fi%
12974 \if@bidi@listingsloaded@else
12975   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pack
12976 \fi%
12977 \csname if@bidi@media9loaded@endcsname\else
12978   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi packag
12979 \fi%
12980 \if@bidi@pstricksloaded@else
12981   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pack

```



```

12982 \fi%
12983 \if@bidi@pgfloaded@else
12984 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.}{}]
12985 \fi%
12986 \if@bidi@picinparloaded@else
12987 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package.}{}]
12988 \fi%
12989 \if@bidi@quotchaploaded@else
12990 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package.}{}]
12991 \fi%
12992 \if@bidi@tikzloaded@else
12993 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package.}{}]
12994 \fi%
12995 \if@bidi@titlesecloaded@else
12996 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package.}{}]
12997 \fi%
12998 \if@bidi@titletocloaded@else
12999 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package.}{}]
13000 \fi%
13001 \if@bidi@arrayloaded@else
13002 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package.}{}]
13003 \fi%
13004 \if@bidi@stabularloaded@else
13005 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package.}{}]
13006 \fi%
13007 \if@bidi@soulloaded@else
13008 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package.}{}]
13009 \fi%
13010 \if@bidi@subfigloaded@else
13011 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package.}{}]
13012 \fi%
13013 \if@bidi@subfigureloaded@else
13014 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package.}{}]
13015 \fi%
13016 \if@bidi@supertabularloaded@else
13017 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi package.}{}]
13018 \fi%
13019 \if@bidi@xtabloaded@else
13020 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package.}{}]
13021 \fi%
13022 \if@bidi@longtableloaded@else
13023 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package.}{}]
13024 \fi%
13025 \if@bidi@arydshlnloaded@else
13026 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package.}{}]
13027 \fi%
13028 \if@bidi@multicolloaded@else
13029 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package.}{}]
13030 \fi%
13031 \if@bidi@multienumloaded@else

```



```

13032     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pac
13033     \fi%
13034     \if@bidi@minitocloaded@else
13035         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packa
13036     \fi%
13037     \if@bidi@natbibloaded@else
13038         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi packag
13039     \fi%
13040     \if@bidi@newfloatloaded@else
13041         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi pack
13042     \fi%
13043     \csname if@bidi@ragged2eloaded@endcsname\else
13044         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi pack
13045     \fi%
13046     \if@bidi@rotatingloaded@else
13047         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi pack
13048     \fi%
13049     \if@bidi@tablsloaded@else
13050         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabls after bidi package
13051     \fi%
13052     \if@bidi@tabularyloaded@else
13053         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi pack
13054     \fi%
13055     \if@bidi@tocbasicloaded@else
13056         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi pack
13057     \fi%
13058     \if@bidi@tocstyleloaded@else
13059         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi pack
13060     \fi%
13061     \if@bidi@tocbibindloaded@else
13062         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pac
13063     \fi%
13064     \if@bidi@fontspecloaded@else
13065         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pack
13066     \fi%
13067     \if@bidi@arabxetexloaded@else
13068         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pac
13069     \fi%
13070     \if@bidi@polyglossialoaded@else
13071         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi p
13072     \fi%
13073     \if@bidi@fancyvrbloaded@else
13074         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pack
13075     \fi%
13076 }

```

7.75 longtable-xetex-bidi.def

```

13077 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable packag
13078 \def\LT@array[#1]#2{%

```



```

13079 \refstepcounter{table}\stepcounter{LT@tables}%
13080 \if l#1%
13081   \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
13082 \else\if r#1%
13083   \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
13084 \else\if c#1%
13085   \LTleft\fill \LTright\fill
13086 \fi\fi\fi
13087 \let\LT@mc\multicolumn
13088 \let\LT@@tabarray\@tabarray
13089 \let\LT@h\hline
13090 \def\@tabarray{%
13091   \let\hline\LT@h
13092   \LT@@tabarray}%
13093 \let\\LT@tabularcr\let\tabularnewline\\
13094 \def\newpage{\noalign{\break}}%
13095 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13096 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
13097 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13098 \@tempdima\ht\strutbox
13099 \let\@endpbox\LT@endpbox
13100 \ifx\extrarowheight\@undefined
13101   \let\@acol\@tabacol
13102   \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13103   \def\@startpbox{\vtop\LT@startpbox}%
13104   \let\@startpbox\@startpbox
13105   \let\@endpbox\@endpbox
13106   \let\LT@LL@FM@cr\@tabularcr
13107 \else
13108   \advance\@tempdima\extrarowheight
13109   \col@sep\tabcolsep
13110   \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13111 \fi
13112 \setbox\@arstrutbox\hbox{\vrule
13113   \@height \arraystretch \@tempdima
13114   \@depth \arraystretch \dp \strutbox
13115   \@width \z@}%
13116 \let\@sharp#\let\protect\relax
13117 \begingroup
13118   \mkpream{#2}%
13119   \xdef\LT@bchunk{%
13120     \global\advance\c@LT@chunks\@ne
13121     \global\LT@rows\z@\setbox\z@\vbox\bgroup
13122     \LT@setprevdepth
13123     \tabskip\LTleft \noexpand\halign to\hsize\bgroup
13124     \tabskip\z@ \@arstrut \preamble \tabskip\LTright \cr}%
13125 \endgroup
13126 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13127 \LT@make@row
13128 \m@th\let\par\@empty

```



```

13129 \everycr{}\lineskip\z@\baselineskip\z@
13130 \LT@bchunk}
13131 \def\LT@makecaption#1#2#3{%
13132 \LT@mc\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
13133 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
13134 \ifdim\wd\@tempboxa>\hsize
13135 #1{#2: }#3%
13136 \else
13137 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
13138 \fi
13139 \endgraf\vskip\baselineskip}%
13140 \hss}}}
13141 \ifpackageloaded{caption}{%
13142 \renewcommand\LT@makecaption[3]{%
13143 \caption@LT@make{%
13144 \caption@settype*\LTcaptype
13145 \ifdim\LTcapwidth=4in \else
13146 \setcaptionwidth\LTcapwidth
13147 \fi
13148 \caption@setoptions{longtable}%
13149 \caption@setoptions{@longtable}%
13150 \caption@LT@setup
13151 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
13152 \caption@startrue#1\caption@starfalse
13153 \caption@prepare@stepcounter\LTcaptype{LT}%
13154 \caption@begin\LTcaptype
13155 \caption@normalsize
13156 \vskip-\ht\strutbox
13157 \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
13158 \caption@@make{#2}{#3}\endgraf
13159 \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
13160 \caption@end}}%
13161 }{}
13162 \def\LT@startpbox#1{%
13163 \bgroup
13164 \let\@footnotetext\LT@p@fnttext
13165 \let\@LTRfootnotetext\LT@p@LTRfnttext
13166 \let\@RTLfootnotetext\LT@p@RTLfnttext
13167 \setlength\hsize{#1}%
13168 \@arrayparboxrestore
13169 \vrule \@height \ht\@arstrutbox \@width \z@}
13170 \def\LT@p@LTRfnttext#1{%
13171 \edef\@tempa{\the\LT@p@fnt\noexpand\LTRfootnotetext[\the\c@footnote]]}%
13172 \global\LT@p@fnt\expandafter{\@tempa{#1}}}%
13173 \def\LT@p@RTLfnttext#1{%
13174 \edef\@tempa{\the\LT@p@fnt\noexpand\RTLfootnotetext[\the\c@footnote]]}%
13175 \global\LT@p@fnt\expandafter{\@tempa{#1}}}%
13176
13177
13178 \def\LT@output{%

```



```

13179 \ifnum\outputpenalty <-\@Mi
13180 \ifnum\outputpenalty > -\LT@end@pen
13181 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
13182 \else
13183 \setbox\z@\vbox{\unvbox\@cclv}%
13184 \ifdim \ht\LT@lastfoot>\ht\LT@foot
13185 \dimen@\pagegoal
13186 \advance\dimen@-\ht\LT@lastfoot
13187 \ifdim\dimen@<\ht\z@
13188 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
13189 \makecol
13190 \outputpage
13191 \setbox\z@\vbox{\box\LT@head}%
13192 \fi
13193 \fi
13194 \global\@colroom\@colht
13195 \global\vsizel\@colht
13196 \vbox
13197 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot}
13198 \fi
13199 \else
13200 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot}
13201 \makecol
13202 \outputpage
13203 \global\vsizel\@colroom
13204 \copy\LT@head\nobreak
13205 \fi}

```

7.76 mdframed-xetex-bidi.def

```

13206 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
13207 \newif\if@bidi@mdf@RTL
13208 \def\mdf@lrbox#1{%
13209 \mdf@patchamsthm\patch amsthm
13210 \if@RTL\@bidi@mdf@RTLtrue\fi%
13211 \@RTLfalse%
13212 \setbox#1\vbox\bgroup%
13213 \color@begingroup%
13214 \if@bidi@mdf@RTL\@RTLtrue\fi%
13215 \mdf@horizontalmargin@equation%
13216 \columnwidth=\hsize%
13217 \textwidth=\hsize%
13218 \let\if@nobreak\iffalse%
13219 \let\if@noskipsec\iffalse%
13220 \let\par\@par%
13221 \let-\@dischyp%
13222 \let'\@acci\let\`@accii\let\=@acciii%
13223 \parindent\z@ \parskip\z@skip%
13224 \linewidth\hsize%
13225 \totalleftmargin\z@%

```



```

13226 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
13227 \parfillskip\@flushglue \lineskip\normallineskip%
13228 \baselineskip\normalbaselineskip%
13229 %% \sloppy%
13230 \let\\\@normalcr%
13231 \mdf@par@local%New feature to restore parskip/parindent local in save box
13232 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
13233 \@afterindentfalse%
13234 %\@afterheading%
13235 }
13236 \renewrobustcmd\mdfframetitleenv[1]{%
13237 \mdf@lrbox{\mdf@frametitlebox}%
13238 \mdf@frametitlealignment%
13239 \leavevmode{\color{\mdf@frametitlefontcolor}%
13240 \normalfont\mdf@frametitlefont{#1}
13241 \ifbool{mdf@ignorelastdescenders}%
13242 {%
13243 \par\strut\par
13244 \unskip\unskip\setbox0=\lastbox
13245 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
13246 }{}}%
13247 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
13248 \endmdf@lrbox\relax%
13249 \mdf@ignorevbadness%
13250 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
13251 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
13252 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
13253 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
13254 \mdfframetitleboxtotalheight=\dimexpr
13255 \ht\mdf@frametitlebox
13256 +\dp\mdf@frametitlebox%
13257 +\mdf@frametitleaboveskip@length
13258 +\mdf@frametitlebelowskip@length
13259 \relax%
13260 }
13261
13262 \renewrobustcmd*\mdf@footnoteoutput{%
13263 \ifvoid\@mpfootins\else%
13264 \nobreak%
13265 \vskip\mdf@footnotedistance@length%
13266 \normalcolor%
13267 \bidi@mpfootnoterule%
13268 \unvbox\@mpfootins%
13269 \fi%
13270 }
13271
13272
13273 \renewrobustcmd*\mdf@footnoteinput{%
13274 \def\@mpfn{mpfootnote}%
13275 \def\thempfn{\thempfootnote}%

```



```

13276 \c@mpfootnote\z@%
13277 \let\@footnotetext\@mpfootnotetext%
13278 \let\@LTRfootnotetext\@mpLTRfootnotetext%
13279 \let\@RTLfootnotetext\@mpRTLfootnotetext%
13280 }

```

7.77 bidi-media9.sty

```

13281 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13282 {bidi fixes for media9 package for the XeTeX engine}
13283
13284 \keys_define:nn{media9/mbtn}{
13285   draft .code:n = {},
13286   final .code:n = {},
13287
13288   tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
13289   tooltip .value_required:n = {true},
13290
13291   overface .code:n = {
13292     \sbox\l_mix_poster_box{
13293       \bool_if:NTF\g_pbs_kscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13294     \mix_pdfxform:n{\l_mix_poster_box}
13295     \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
13296   },
13297   overface .value_required:n = {true},
13298
13299   downface .code:n = {
13300     \sbox\l_mix_poster_box{
13301       \bool_if:NTF\g_pbs_kscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13302     \mix_pdfxform:n{\l_mix_poster_box}
13303     \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
13304   },
13305   downface .value_required:n = {true},
13306
13307   3Dgotoview .code:n = {
13308     \tl_set:Nx\l_tmpa_tl{#1} %extract ref
13309     \regex_replace_once:nnN{([~:~]+)??.*}{\1}\l_tmpa_tl
13310     \tl_trim_spaces:N\l_tmpa_tl
13311     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13312       \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13313         \tl_set:Nx\l_tmpb_tl{#1} %extract idx
13314         \regex_replace_once:nnN{([~:~]+:?)}{\1}\l_tmpb_tl
13315         \tl_trim_spaces:N\l_tmpb_tl
13316         \tl_if_blank:VF\l_tmpb_tl{
13317           \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
13318             \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl
13319           }{
13320             \regex_match:nVTF{^[d+~$]\l_tmpb_tl{
13321               \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl
13322             }{

```



```

13323         \regex_replace_once:nnN{^\(\\s*\)}{\l_tmpb_tl
13324         \regex_replace_once:nnN{\\s*\\)}{\l_tmpb_tl
13325         \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
13326     }
13327 }
13328 }
13329 \mix_pdfobj:nnn{}{dict}{
13330     /S/JavaScript/JS~(
13331         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13332         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13333             annotRM['\l_tmpa_tl']=
13334                 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13335         }
13336         annotRM['\l_tmpa_tl'].activated=true;
13337     )
13338     \tl_if_blank:VF\l_tmpb_tl{
13339         /Next~<<
13340         /S/GoTo3DView
13341         /TA~\tl_use:c{ann@\l_tmpa_tl}
13342         /V\l_mix_vidx_tl
13343         >>
13344     }
13345 }
13346 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13347 }
13348 }{
13349     \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
13350     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13351         \tl_new:N\g_mix_refundefwarned_tl
13352         \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
13353     }
13354 }
13355 },
13356 3Dgotoview .value_required:n = {true},
13357
13358 mediacommand .code:n = {
13359     \tl_set:Nx\l_tmpa_tl{#1}
13360     \regex_replace_once:nnN{([~:~]+)??.*}{\l}\l_tmpa_tl %extract ref
13361     \tl_trim_spaces:N\l_tmpa_tl
13362     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13363         \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13364             \tl_set:Nx\l_tmpb_tl{#1}
13365             \regex_replace_once:nnN{[~:~]+\.:?}{\l}\l_tmpb_tl
13366             \tl_trim_spaces:N\l_tmpb_tl
13367             \regex_replace_all:nnN{^\\{\\}$}{\l}\l_tmpb_tl
13368             \tl_set:Nx\l_mix_cmd_tl{
13369                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
13370             \tl_trim_spaces:N\l_mix_cmd_tl
13371             \tl_set:Nx\l_mix_arg_tl{
13372                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}

```



```

13373     \tl_trim_spaces:N\l_mix_arg_tl
13374     \mix_pdfobj:nnn{}{dict}{
13375       /S/JavaScript/JS~(
13376         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13377         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13378           annotRM['\l_tmpa_tl']=
13379             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13380         }
13381         annotRM['\l_tmpa_tl'].activated=true;
13382       )
13383     \tl_if_blank:VF\l_mix_cmd_tl{
13384       /Next~<<
13385       /S/RichMediaExecute
13386       /TA~\tl_use:c{ann@\l_tmpa_tl}
13387       /TI~\tl_use:c{main@\l_tmpa_tl}
13388       /CMD~<<
13389       /C~(\l_mix_cmd_tl)
13390       \tl_if_blank:VF\l_mix_arg_tl{
13391         /A~[\l_mix_arg_tl]
13392       }
13393       >>
13394     >>
13395   }
13396 }
13397 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13398 }
13399 }{
13400   \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
13401   \cs_if_exist:NF\g_mix_refundefwarned_tl{
13402     \tl_new:N\g_mix_refundefwarned_tl
13403     \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
13404   }
13405 }
13406 },
13407 mediacommand .value_required:n = {true},
13408
13409 jsaction .code:n = {
13410   \tl_set:Nx\l_tmpa_tl{#1}
13411   \regex_match:nVTF{^[^\{:+:.*$]\l_tmpa_tl{
13412     \regex_replace_once:nnN{([^\{:+:)*}?\1\l_tmpa_tl %extract ref
13413     \tl_trim_spaces:N\l_tmpa_tl
13414   }{\tl_clear:N\l_tmpa_tl}
13415   \tl_set:Nx\l_tmpb_tl{#1}
13416   \tl_if_blank:VF\l_tmpa_tl{
13417     \tl_if_exist:cF{ann@\l_tmpa_tl}{
13418       \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
13419       \cs_if_exist:NF\g_mix_refundefwarned_tl{
13420         \tl_new:N\g_mix_refundefwarned_tl
13421         \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
13422       }

```



```

13423     }
13424     \regex_replace_once:nnN{[^\:]+\:}{\l_tmpb_tl
13425 }
13426 \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13427 \tl_trim_spaces:N\l_tmpb_tl
13428 \tl_if_blank:VF\l_tmpb_tl{
13429 \mix_pdfobj:nnn}{dict}{
13430   /S/JavaScript/JS~(
13431     try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
13432 \bool_lazy_and:nnT{
13433   \tl_if_exist_p:c{ann@\l_tmpa_tl}
13434 }{
13435   !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13436 }{
13437   \mix_pdfobj:nnn}{dict}{
13438     /S/JavaScript/JS~(
13439       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13440       if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13441         annotRM['\l_tmpa_tl']=
13442         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13443       }
13444       annotRM['\l_tmpa_tl'].activated=true;
13445     )
13446     \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13447   }
13448 }
13449 \bool_if:nT{
13450   \bool_lazy_and_p:nn{
13451     \tl_if_exist_p:c{ann@\l_tmpa_tl}
13452   }{
13453     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13454   }
13455   || !\tl_if_blank_p:V\l_tmpb_tl
13456 }{
13457   \tl_gput_right:Nx\g_mix_btnactions_tl{\mix_pdflastobj:}
13458 }
13459 },
13460 jsaction .value_required:n = {true},
13461
13462 unknown .code:n = {
13463   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
13464 }
13465 }
13466
13467 \RenewDocumentCommand\includemedia{0}{mm}{%#1 options, #2 text/image #3 media file
13468 \mix_uriend:
13469 \group_begin:
13470 \mix_beginLTR:
13471 \leavevmode
13472 %empty stream as appearance dummy

```



```

13473 \cs_if_exist:NF\g_mix_appearance_tl{
13474   \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
13475   \mix_pdfxform:n{\l_mix_poster_box}
13476   \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
13477 }
13478 \mix_reset:
13479 \mix_uribegin: %treat URI characters correctly
13480 \keys_set:nn{media9/user}{#1}
13481 \mix_uriend:
13482 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
13483 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
13484 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
13485 \tl_greplace_all:Nnn\g_mix_flashvars_tl{=-}{=}
13486 \tl_gtrim_spaces:N\g_mix_flashvars_tl
13487
13488 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
13489
13490 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
13491 %\hbox_set:Nn\l_mix_poster_box{#2}
13492 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13493 \mix_scale:n{\l_mix_poster_box}
13494 \bool_if:nT{
13495   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
13496   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
13497 }{
13498   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
13499 }
13500 \bool_if:NTF\g_mix_usrdraft_bool{
13501   \tl_if_empty:NF\g_mix_usrlabel_tl{
13502     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
13503   }
13504   \tl_if_blank:oTF{#2}{
13505     \mix_uribegin: %treat URI characters correctly
13506     \mix_draftbox:n{\tl_to_str:n{#3}}
13507     \mix_uriend:
13508   }{
13509     \hbox_to_wd:nn{\g_mix_wd_tl}{
13510       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
13511       \box_use:N\l_mix_poster_box\hss
13512     }
13513   }
13514 }{
13515   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
13516     %attach script that switches off play button overlay upon activation
13517     \mix_pdfobj:nnn{}{stream}{
13518       {}{
13519         var~ocgs=host.getOCGs(host.pageNum);
13520         for(var~i=0;i<ocgs.length;i++){
13521           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13522             ocgs[i].state=false;

```



```

13523     }
13524   }
13525 }
13526 }
13527 \mix_pdfobj:nnn{{dict}}{
13528   /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
13529 }
13530 \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
13531 \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
13532 %enforce plain playbutton overlay for XeTeX
13533 \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
13534 }
13535 %embed main asset
13536 \mix_uribegin:
13537 \mix_embedasset:n{#3}
13538 \bool_if:nTF{
13539   \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
13540 }{
13541   \bool_gset_true:N\g_mix_iiid_bool
13542   \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
13543 }{
13544   \str_case_x:nnF{\l_mix_base_tl}{
13545     {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13546     {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13547     {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13548     {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13549     {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13550   }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
13551 }
13552 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
13553 \mix_uriend:
13554 %secondary assets (added by addresource)
13555 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
13556 \seq_map_inline:Nn\g_mix_script_seq{
13557   \mix_embedasset:n{##1}
13558   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
13559 }
13560 %attach 3D calculation script
13561 \bool_if:nTF{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
13562   \mix_embedasset:n{3Dmenu.js}
13563   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
13564 }
13565 %create 3D views from file (option 3Dviews)
13566 \bool_if:nTF{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
13567   \tl_set:Nn\l_mix_level_tl{\c_minus_one}
13568   \int_zero:N\l_mix_viewcnt_int
13569   \int_zero:N\l_mix_lineno_int
13570
13571   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
13572   \ior_map_inline:Nn\l_mix_vfile_stream{

```



```

13573         \int_incr:N\l_mix_lineno_int
13574         \keys_set:nn{media9/views}{##1} %process input line
13575     }
13576     \ior_close:N\l_mix_vfile_stream
13577 }
13578 \bool_if:nT{ %create default 3D view if required
13579     \g_mix_iiid_bool &&
13580     (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
13581 }{
13582     \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
13583     \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
13584     \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
13585     \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
13586     \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
13587     \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
13588     \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
13589
13590     \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
13591     \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
13592     \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
13593     \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
13594
13595     \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
13596     \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
13597     \tl_clear:N\l_mix_naarray_tl
13598
13599     \bool_if:NF\l_mix_ciiw_bool{
13600         \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
13601         \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
13602     }
13603
13604     \tl_clear:N\l_mix_naarray_tl
13605     \tl_clear:N\l_mix_saarray_tl
13606     \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
13607
13608     \mix_view:n{Default}
13609     \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
13610
13611 }
13612 \mix_pdfobj:nnn{}{dict}{
13613     /Type/RichMediaInstance
13614     /Subtype/\g_mix_mainassetsub_tl
13615     /Asset~\g_mix_mainasset_tl
13616     \bool_if:NF\g_mix_iiid_bool{
13617         /Params-<<
13618         /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
13619             /Foreground
13620         }{
13621             /Background
13622         }

```



```

13623         \tl_if_blank:VF\g_mix_flashvars_tl{
13624             /FlashVars~(\g_mix_flashvars_tl)
13625         }
13626     >>
13627 }
13628 }
13629 \tl_if_empty:NF\g_mix_usrlabel_tl{
13630     \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
13631 }
13632 \mix_pdfobj:nnn{}{dict}{
13633     /Type/RichMediaConfiguration
13634     /Subtype/\g_mix_mainassetssub_tl
13635     /Instances~[\mix_pdflastobj:]
13636 }
13637 \mix_pdfobj:nnn{}{dict}{
13638     /Type/RichMediaContent
13639     /Assets~<</Names~[\g_mix_assets_tl]>>
13640     /Configurations~[\mix_pdflastobj:]
13641     \bool_if:nT{
13642         \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
13643     }{
13644         /Views~[\l_mix_iiidviewarray_tl]
13645     }
13646 }
13647 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
13648 \bool_if:nT{
13649     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
13650 }{
13651     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
13652 }
13653 %determine floating window size
13654 \bool_if:NT\g_mix_opt_windowed_bool{
13655     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
13656 }
13657 \mix_pdfobj:nnn{}{dict}{
13658     /Activation~<<
13659     /Condition\g_mix_act_tl
13660     \bool_if:nT{
13661         \g_mix_iiid_bool &&
13662         !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
13663     }{%seems to work only with 3D content
13664         /Animation~<<
13665         /Subtype/\g_mix_playtpe_tl
13666         /PlayCount~\g_mix_playcnt_tl
13667         /Speed~\g_mix_playspd_tl
13668     >>
13669 }
13670 \bool_if:nT{
13671     \g_mix_iiid_bool && (
13672         \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl

```



```

13673     )
13674   }{/View~\l_mix_dflview_tl}
13675   /Presentation~<<
13676     /Transparent~\g_mix_transp_tl
13677     \bool_if:NTF\g_mix_opt_windowed_bool{
13678       /Style/Windowed
13679       /Window~<<
13680         /Width~<</Default~\tl_mix_fltd>>
13681         /Height~<</Default~\tl_mix_flht>>
13682         /Position~<<
13683           /HOffset-0/VOffset-0
13684           \str_case_x:nnF{\g_mix_winpos_tl}{
13685             {tl}{/VAlign/Near/HAlign/Near}
13686             {cl}{/VAlign/Center/HAlign/Near}
13687             {bl}{/VAlign/Far/HAlign/Near}
13688             {bc}{/VAlign/Far/HAlign/Center}
13689             {br}{/VAlign/Far/HAlign/Far}
13690             {cr}{/VAlign/Center/HAlign/Far}
13691             {tr}{/VAlign/Near/HAlign/Far}
13692             {tc}{/VAlign/Near/HAlign/Center}
13693           }{/HAlign/Center/VAlign/Center}
13694         >>
13695       >>
13696     }{
13697       /Style/Embedded
13698     }
13699     \bool_if:NTF\g_mix_iiid_bool{
13700       /Toolbar~\g_mix_tools_tl
13701       /NavigationPane~\g_mix_nav_tl
13702     }{
13703       /PassContextClick~\g_mix_contextclick_tl
13704     }
13705     >>
13706     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
13707     >>
13708     /Deactivation~<</Condition\g_mix_deact_tl>>
13709   }
13710   \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
13711   \tl_if_empty:NF\g_mix_usrlabel_tl{
13712     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
13713   }
13714   % #1:width, #2:height, #3:depth, #4:content (key-value)
13715   \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
13716     /Subtype/RichMedia
13717     /F~4
13718     /BS~<</W~0/S/S>>
13719     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
13720     /NM~(\g_mix_label_tl)
13721     /AP~<</N~\g_mix_appearance_tl>>
13722     /RichMediaSettings~\l_mix_settings_tl

```



```

13723     /RichMediaContent~\l_mix_content_tl
13724 }
13725 \tl_if_empty:NF\g_mix_usrlabel_tl{
13726   \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
13727   \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
13728     \noexpand\the\g_mix@page@int}
13729 }
13730 \mix_pdfobj:nnn{{dict}}{
13731   /S/JavaScript/JS~(
13732     try{
13733       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13734       if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
13735         annotRM['\g_mix_label_tl']=
13736           this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
13737       }
13738       \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
13739         if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
13740           var~ocgs=this.getOCGs(this.pageNum);
13741           for(var~i=0;i<ocgs.length;i++){
13742             if(ocgs[i].name=='MediaPlayButton\int_use:N\g_mix_rmcnt_int'){
13743               var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
13744             }
13745           }
13746         }
13747         if(
13748           !annotRM['\g_mix_label_tl'].activated&&(
13749             app.viewerType=='Reader' ||
13750             app.viewerType=='Exchange' ||
13751             app.viewerType=='Exchange-Pro'
13752           )&&app.viewerVersion>=9
13753         ){
13754           ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
13755         }
13756       }
13757     }catch(e){}
13758     this.dirty=false;
13759   )
13760 }
13761 \mix_pdfannot:nnnn{0pt}{0pt}{0pt}{
13762   /Subtype/Widget
13763   /FT/Btn/Ff~65537/F~2
13764   /BS~<<W~0>>
13765   /T~(fd@\g_mix_label_tl)
13766   /AA~<<P0~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
13767 }
13768 \mix_appendtofields:n{\mix_pdflastann:}
13769 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
13770 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
13771   \hbox_to_wd:nn{\g_mix_wd_tl}{
13772     \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss

```



```

13773     }
13774   }{%insert play button overlay
13775     \mix_insert_btnocg: %create OCG
13776     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
13777     \group_begin:
13778     \cs_if_exist:NT\textdir{\textdir TLT}
13779     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
13780     \box_move_down:nn{\g_mix_dp_tl}{
13781       \hbox_to_wd:nn{\g_mix_wd_tl}{
13782         \vbox_to_ht:nn{\g_mix_tt_tl}{
13783           \vss
13784           \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
13785           \box_use:N\l_mix_pbtn_box
13786           \ocgbase_oc_emc:
13787         }
13788       }
13789     }
13790     \group_end:
13791   }
13792   \int_gincr:N\g_mix_rmcnt_int
13793 }
13794 \mix_endLTR:
13795 \group_end:
13796 }
13797 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
13798 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
13799
13800 \RenewDocumentCommand\mediabutton{0{ }m}{%#1 options, #2 normal button text
13801   \mix_uribend:
13802   \group_begin:
13803   \mix_beginLTR:
13804   \leavevmode
13805   %reset various variables
13806   \tl_gclear:N\g_mix_overbtn_tl
13807   \tl_gclear:N\g_mix_downbtn_tl
13808   \tl_gclear:N\g_mix_btnactions_tl
13809   \tl_gclear:N\g_mix_tooltip_tl
13810   %process options
13811   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
13812   \mix_uribegin: %treat URI characters correctly
13813   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
13814   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
13815   \mix_uribend:
13816   %normal button appearance
13817   %\hbox_set:Nn\l_mix_poster_box{#2}
13818   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13819   \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
13820   \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
13821   \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
13822   \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{

```



```

13823 \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
13824   \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
13825 \mix_pdfxform:n{\l_mix_poster_box}
13826 \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
13827 %insert widget annotation
13828 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
13829   /Subtype/Widget
13830   /T~(mbtn@int_use:N\g_mix_mbtncnt_int)
13831   \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
13832   /FT/Btn/Ff~65536
13833   \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
13834   /AP~<<
13835     /N~\g_mix_normalbtn_tl
13836     \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
13837     \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
13838   >>
13839   /MK~<<
13840     /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
13841     /I~\g_mix_normalbtn_tl
13842     \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
13843     \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
13844   >>
13845   /A~<<
13846     /S/JavaScript/JS~(app.focusRect=false;)
13847     %sequence of actions to perform
13848     \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
13849   >>
13850 }
13851 \mix_appendtofields:n{\mix_pdflastann:}
13852 \hbox_to_wd:nn{\width}{
13853   \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
13854 }
13855 \int_gincr:N\g_mix_mbtncnt_int
13856 }
13857 \mix_endLTR:
13858 \group_end:
13859 }
13860
13861 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
13862 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
13863
13864

```

7.78 memoir-xetex-bidi.def

```

13865 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for Xe
13866 \renewcommand{\keepthetitle}{%
13867   \@bsmtitleempty
13868   \global\let\thanks\relax
13869   \global\let\LTRthanks\relax

```



```

13870 \global\let\RTLthanks\relax
13871 \global\let\and\relax
13872 \global\let\andnext\relax
13873 \global\let\@thanks\@empty
13874 \global\let\@title\@empty
13875 \global\let\@author\@empty
13876 \global\let\@date\@empty}
13877 \renewcommand{\maketitle}{\par
13878 \begingroup
13879 \@bsmarkseries
13880 \def\@makefnmark{\@textsuperscript{%
13881 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
13882 \long\def\@makefntext##1{\makethanksmark ##1}
13883 \if@twocolumn
13884 \ifnum \col@number=\@ne
13885 \@maketitle
13886 \else
13887 \twocolumn[\@maketitle]%
13888 \fi
13889 \else
13890 \ifdim\pagetotal>\z@
13891 \newpage
13892 \fi
13893 \global\@topnum\z@
13894 \@maketitle
13895 \fi
13896 \thispagestyle{title}\@thanks
13897 \endgroup
13898 \@bscontmark % \setcounter{footnote}{0}%
13899 }
13900 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
13901 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
13902 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
13903 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
13904 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
13905 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
13906 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
13907 \renewcommand*{\thesubsection}{%
13908 \thesection\@SepMark\@arabic\c@subsection}
13909 \renewcommand*{\thesubsubsection}{%
13910 \thesubsection\@SepMark\@arabic\c@subsubsection}
13911 \renewcommand*{\theparagraph}{%
13912 \thesubsubsection\@SepMark\@arabic\c@paragraph}
13913 \renewcommand*{\thesubparagraph}{%
13914 \theparagraph\@SepMark\@arabic\c@subparagraph}
13915 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
13916 \renewcommand{\theequation}{%
13917 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13918 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
13919 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}

```



```

13920 \ifartopt
13921   \chapterstyle{article}
13922   \counterwithout{figure}{chapter}
13923   \counterwithout{table}{chapter}
13924   \counterwithout{footnote}{chapter}
13925   \counterwithout{equation}{chapter}
13926   \renewcommand{\chaptername}{}
13927   \renewcommand{\maketitlehookb}{%
13928     \vskip -1.5\topsep\vskip -1.5\partopsep}
13929   \renewcommand{\maketitlehookc}{%
13930     \vskip -1.5\topsep\vskip -1.5\partopsep}
13931 \fi
13932 \long\def\@makecaption#1#2{\let\@memtempa\relax
13933   \ifdim\prevdepth>-99p@ \vskip\abovecaptionskip
13934   \else \def\@memtempa{\vbox to\topskip{}}\fi
13935   \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
13936   \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
13937   \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
13938   \let\footnote\@contfnote
13939   \let\footnotemark\@contfmark
13940   \ifdim\wd\@tempboxa<\linewidth \centering \fi
13941   \if@contcw
13942     \centering
13943     \parbox{\@contcwidth}{%
13944       \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
13945     \fi
13946     \ifdim\wd\@tempboxa<\linewidth
13947       \@contpre
13948       {\@contnfont #1\@contdelim}\@memtempa
13949       {\@contcshortstyle \@conttfont #2\@contfinal\par}
13950     \else
13951       \if@conthang
13952         \sbox\@tempboxa{\@contnfont #1\@contdelim}
13953         \@contpre%
13954         {\@contcstyle\hangindent=\wd\@tempboxa
13955           \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
13956       \else
13957         \if@contindent
13958           \@contpre%
13959           {\@contnfont #1\@contdelim}\@memtempa
13960           {\@contcstyle\hangindent=\@contindw
13961             \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
13962         \else
13963           \@contpre%
13964           {\@contnfont #1\@contdelim}\@memtempa
13965           {\@contcstyle \@conttfont #2\@contfinal\par}
13966         \fi
13967       \fi
13968     \fi
13969   \@contpost

```



```

13970 \if@contcw
13971 \par
13972 } % end of the \parbox
13973 \fi
13974 \vskip\belowcaptionskip}
13975 \ifpackageloaded{caption}{%
13976 \AtBeginPackage{caption}{
13977 \ClassWarningNoLine{memoir}{%
13978 You are using the caption package with the memoir \MessageBreak
13979 class. This may cause unexpected or inconsistent \MessageBreak
13980 results if you use any of memoir's captioning facilities}
13981
13982 \long\def\@makecaption##1##2{%
13983 \vskip\abovecaptionskip
13984 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
13985 \ifdim \wd\@tempboxa >\hsize
13986 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
13987 \else
13988 \global \@minipagefalse
13989 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13990 \fi
13991 \vskip\belowcaptionskip}
13992
13993 \def\caption{%
13994 \ifx\@capytype\@undefined
13995 \latex@error{\noexpand\caption outside float}\@ehd
13996 \expandafter\@gobble
13997 \else
13998 \refstepcounter\@capytype
13999 \expandafter\@firstofone
14000 \fi
14001 {\@dblarg{\@caption\@capytype}}}%
14002 }
14003
14004 \long\def\@caption##1[##2]##3{%
14005 \par
14006 \addcontentsline{\csname ext@##1\endcsname}{##1}%
14007 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}}%
14008 \begingroup
14009 \parboxrestore
14010 \if@minipage
14011 \setminipage
14012 \fi
14013 \normalsize
14014 \makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
14015 \endgroup}
14016 }}{}
14017 \renewenvironment{thebibliography}[1]{%
14018 \bibsection
14019 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi

```



```

14020 \bidi@thebibliography@font@hook%
14021 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

7.79 midfloat-xetex-bidi.def

```

14022 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14023 \def\RTL@outputdblcol{%
14024   \if@firstcolumn
14025     \global \@firstcolumnfalse
14026     \global\setbox\@leftcolumn\copy\@outputbox
14027     \splitmaxdepth\maxdimen
14028     \vbadness\maxdimen
14029     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14030     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14031     \toks@\expandafter{\topmark}%
14032     \xdef\@firstcoltopmark{\the\toks@}%
14033     \toks@\expandafter{\splitfirstmark}%
14034     \xdef\@firstcolfirstmark{\the\toks@}%
14035     \ifx\@firstcolfirstmark\@empty
14036       \global\let\@setmarks\relax
14037     \else
14038       \gdef\@setmarks{%
14039         \let\firstmark\@firstcolfirstmark
14040         \let\topmark\@firstcoltopmark}%
14041     \fi
14042     \global\c@colht\@colht\global\c@advipersep\z@
14043     \ifnum\jua@sk>0
14044       \remove@strip\jua@sar
14045       \global\@colht\the\jua@pr
14046       \ifdim\right@cor>\z@
14047         \global\advance\@colht by\right@cor
14048       \fi
14049       \global\advance\@colht by\cor@height
14050       \global\cor@height=0pt
14051     \fi
14052     \global \setbox\@rightcolumn \vbox{%
14053   \else
14054     \ifdim\c@colht>\@colht
14055       \@tempdima\@colht
14056       \ifdim\@colht>\z@
14057         \global\setbox\@rightcolumn \vbox{%
14058           \unvbox\@rightcolumn
14059           \vbox to\@tempdima{%
14060             \vskip\c@advipersep\unvbox\@outputbox}%
14061           \vskip\stripsep
14062           \vrule height\the\jua@ht width 0pt depth 0pt
14063           \vskip\stripsep
14064         }%
14065         \global\c@advipersep\m@advipersep
14066       \else

```



```

14067         \global\setbox\@rightcolumn \vbox{%
14068             \unvbox\@rightcolumn
14069             \vrule height\the\jua@ht width Opt depth Opt
14070             \vskip\stripsep
14071             }%
14072     \fi
14073     \ifnum\jua@sk>0
14074         \remove@strip\jua@sar
14075         \global\@colht\the\jua@pr
14076         \global\advance\@colht by -\ht\@rightcolumn
14077         \global\advance\@colht by\cor@height
14078         \global\cor@height=Opt
14079     \else
14080         \global\advance\c@colht by-\ht\@rightcolumn
14081         \global\@colht\c@colht
14082     \fi
14083 \else
14084 \global\@firstcolumntrue
14085 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14086     \unvbox\@rightcolumn
14087     \vskip\c@addvipersep
14088     \unvbox\@outputbox
14089     }%
14090 \setbox\@outputbox \vbox {%
14091     \hb@xt@\textwidth {%
14092         \hskip \columnwidth
14093         \hfil
14094         \vrule \@width\columnseprule
14095         \hfil
14096         \hb@xt@\columnwidth {%
14097             \bidi@firstcolumn@status@write%
14098             \box\@leftcolumn \hss}%
14099         \hskip-\textwidth
14100         \hb@xt@\columnwidth {%
14101             \bidi@lastcolumn@status@write%
14102             \box\@outputbox \hss}%
14103         \hskip\columnwidth
14104         \hskip\columnsep}%
14105     }%
14106 \@combinedblfloats
14107 \@setmarks
14108 \@outputpage
14109 \begingroup
14110 \@dblfloatplacement
14111 \@startdblcolumn
14112 \@whilesw\if@fcolmade \fi
14113     {\@outputpage
14114     \@startdblcolumn}%
14115 \endgroup
14116 \global\jua@sk=0\global\jua@sar={}%

```



```

14117 \global\cor@height\z@\global\c@addvipersep\z@
14118 \fi
14119 \fi
14120 }
14121
14122
14123 \def\LTR@outputdblcol{%
14124 \if@firstcolumn
14125 \global \@firstcolumnfalse
14126 \global\setbox\@leftcolumn\copy\@outputbox
14127 \splitmaxdepth\maxdimen
14128 \vbadness\maxdimen
14129 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14130 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14131 \toks@\expandafter{\topmark}%
14132 \xdef\@firstcoltopmark{\the\toks@}%
14133 \toks@\expandafter{\splitfirstmark}%
14134 \xdef\@firstcolfirstmark{\the\toks@}%
14135 \ifx\@firstcolfirstmark\@empty
14136 \global\let\@setmarks\relax
14137 \else
14138 \gdef\@setmarks{%
14139 \let\firstmark\@firstcolfirstmark
14140 \let\topmark\@firstcoltopmark}%
14141 \fi
14142 \global\c@colht\@colht\global\c@addvipersep\z@
14143 \ifnum\jua@sk>0
14144 \remove@strip\jua@sar
14145 \global\@colht\the\jua@pr
14146 \ifdim\right@cor>\z@
14147 \global\advance\@colht by\right@cor
14148 \fi
14149 \global\advance\@colht by\cor@height
14150 \global\cor@height=0pt
14151 \fi
14152 \global \setbox\@rightcolumn \vbox{%
14153 \else
14154 \ifdim\c@colht>\@colht
14155 \@tempdima\@colht
14156 \ifdim\@colht>\z@
14157 \global\setbox\@rightcolumn \vbox{%
14158 \unvbox\@rightcolumn
14159 \vbox to\@tempdima{%
14160 \vskip\c@addvipersep\unvbox\@outputbox}%
14161 \vskip\stripsep
14162 \vrule height\the\jua@ht width 0pt depth 0pt
14163 \vskip\stripsep
14164 }%
14165 \global\c@addvipersep\m@addvipersep
14166 \else

```



```

14167         \global\setbox\@rightcolumn \vbox{%
14168             \unvbox\@rightcolumn
14169             \vrule height\the\jua@ht width Opt depth Opt
14170             \vskip\stripsep
14171         }%
14172     \fi
14173     \ifnum\jua@sk>0
14174         \remove@strip\jua@sar
14175         \global\@colht\the\jua@pr
14176         \global\advance\@colht by -\ht\@rightcolumn
14177         \global\advance\@colht by\cor@height
14178         \global\cor@height=Opt
14179     \else
14180         \global\advance\c@colht by-\ht\@rightcolumn
14181         \global\@colht\c@colht
14182     \fi
14183 \else
14184 \global\@firstcolumntrue
14185 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14186     \unvbox\@rightcolumn
14187     \vskip\c@addvipersep
14188     \unvbox\@outputbox
14189 }%
14190 \setbox\@outputbox \vbox {%
14191     \hb@xt@\textwidth {%
14192         \hb@xt@\columnwidth {%
14193             \bidi@firstcolumn@status@write%
14194             \box\@leftcolumn \hss}%
14195         \hfil
14196         \vrule \@width\columnseprule
14197         \hfil
14198         \hb@xt@\columnwidth {%
14199             \bidi@lastcolumn@status@write%
14200             \box\@outputbox \hss}%
14201         }%
14202     }%
14203 \@combinedblfloats
14204 \@setmarks
14205 \@outputpage
14206 \begingroup
14207     \@dblfloatplacement
14208     \@startdblcolumn
14209     \@whilesw\if@fcolmade \fi
14210     {\@outputpage
14211     \@startdblcolumn}%
14212 \endgroup
14213 \global\jua@sk=0\global\jua@sar={}
14214 \global\cor@height\z@\global\c@addvipersep\z@
14215 \fi
14216 \fi

```



```

14217 }
14218
14219
14220 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14221 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
14222 \hsize\textwidth
14223 \@parboxrestore
14224 \col@number \@ne
14225 \vrule height\topskip width0pt depth0pt
14226 }
14227
14228 \def\endstrip{%
14229 \egroup\egroup
14230 \if@firstcolumn
14231 \ifdim\pagetotal>\z@
14232 \vskip\stripsep
14233 \global\ht@strip\pagegoal
14234 \global\advance\ht@strip by-\pagetotal
14235 \global\advance\ht@strip by-\stripsep
14236 \global\advance\ht@strip by-\ht\@viper
14237 \global\advance\ht@strip by-\stripsep
14238 \global\jua@ht=\ht\@viper
14239 \else
14240 \global\ht@strip\z@
14241 \fi
14242 \ifdim\ht@strip>\z@
14243 \unvbox\@viper
14244 \vskip\stripsep
14245 \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
14246 \global\advance\jua@sk by1
14247 \else
14248 \@latex@error{Strip needs more place!}\@ehc
14249 \if@vihproof
14250 \framebox[\columnwidth]{??? Strip ???}%
14251 \fi
14252 \fi
14253 \else
14254 \@latex@error{Strip is used only on left column!}\@ehc
14255 \if@vihproof
14256 \framebox[\columnwidth]{??? Strip ???}%
14257 \fi
14258 \fi
14259 }

```

7.8o minitoc-xetex-bidi.def

```

14260 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for
14261 \def\@undottedtocline#1#2#3#4#5{%
14262 \ifnum #1>\c@tocdepth\relax \else
14263 \vskip \z@ plus.2\p@

```



```

14264 {\if@RTL\rightrightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
14265 \parindent #2\relax\@afterindenttrue
14266 \interlinepenalty\@M
14267 \leavevmode
14268 \@tempdima #3\relax \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \hbox{}}%
14269 \hskip -\if@RTL\rightrightskip\else\leftskip\fi
14270 #4\nobreak\hfill \nobreak
14271 \null\par}%
14272 \fi}
14273 \def\@Undottedtocline#1#2#3#4#5{%
14274 \ifnum #1>\c@tocdepth\relax \else
14275 \vskip \z@ \@plus.2\p@
14276 {\if@RTL\rightrightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
14277 \parindent #2\relax\@afterindenttrue
14278 \interlinepenalty\@M
14279 \leavevmode
14280 \@tempdima #3\relax
14281 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
14282 {\coffee font #4}\nobreak \nobreak\null
14283 \par}%
14284 \fi}
14285 \def\@Undottedtoclinep#1#2#3#4#5{%
14286 \ifnum #1>\c@tocdepth\relax \else
14287 \vskip \z@ \@plus.2\p@
14288 {\if@RTL\rightrightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
14289 \parindent #2\relax\@afterindenttrue
14290 \interlinepenalty\@M
14291 \leavevmode
14292 \@tempdima #3\relax
14293 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
14294 {#4}\nobreak \hfill \nobreak\null
14295 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
14296 \par}%
14297 \fi}

```

7.81 multicol-xetex-bidi.def

```

14298 \ProvidesFile{multicol-xetex-bidi.def}[2016/11/27 v0.8 bidi adaptations for multicol package]
14299 \def\page@sofar{%
14300 \process@cols\mult@rightbox
14301 {\ifvoid\count@
14302 \setbox\count@\hbox to\hsize{}}%
14303 \else
14304 \wd\count@\hsize
14305 \fi}%
14306 \count@\col@number \advance\count@\m@ne
14307 \mult@info\z@
14308 {Column spec: \the\full@width\space = indent
14309 + columns + sep =\MessageBreak
14310 \the\multicol@leftmargin\space

```



```

14311      + \the\col@number\space
14312      x \the\hsize\space
14313      + \the\count@\space
14314      x \the\columnsep
14315    }%
14316 \ifvmode\else\errmessage{Multicol Error}\fi
14317 \nointerlineskip
14318 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
14319 \moveright\multicol@leftmargin
14320 \hbox to\full@width{%
14321   \bidi@multicol@align@columns
14322   \rlap{\phantom p}%
14323 }%
14324 \prevdepth\z@
14325 \kern-\dimen\tw@
14326 \ifdim\dimen\tw@ > \mc@gridwarn
14327 \PackageWarning{multicol}%
14328 {Very deep columns!MessageBreak
14329  Grid alignment might be broken}%
14330 \fi
14331 }
14332 \def\LTR@column@boxes{%
14333   \process@cols\mult@gfirstbox{%
14334     \ifdim\dp\count@>\dimen\tw@
14335     \global\dimen\tw@\dp\count@ \fi
14336     \mc@col@status@write
14337     \box\count@
14338     \hss{\columnseprulecolor\vrule
14339       \@width\columnseprule}\hss}%
14340   \ifdim\dp\mult@rightbox>\dimen\tw@
14341   \global\dimen\tw@\dp\mult@rightbox \fi
14342   \mc@lastcol@status@write
14343   \box\mult@rightbox
14344 }
14345
14346 \def\RTL@column@boxes{%
14347   \ifnum\col@number<\tw@
14348     \LTR@column@boxes
14349   \else
14350     \process@cols\mult@gfirstbox{%
14351       \hskip\hsize
14352       \hss{\columnseprulecolor\vrule
14353         \@width\columnseprule}\hss
14354     }%
14355     \hskip\hsize
14356     \process@cols\mult@gfirstbox{%
14357       \ifdim\dp\count@>\dimen\tw@
14358       \global\dimen\tw@\dp\count@ \fi
14359       \hskip-\hsize
14360       \mc@col@status@write

```



```

14361 \box\count@
14362 \hskip-\hsize
14363 \hskip-\columnsep
14364 }%
14365 \ifdim\dp\mult@rightbox>\dimen\tw@
14366 \global\dimen\tw@\dp\mult@rightbox \fi
14367 \hskip-\hsize
14368 \mc@lastcol@status@write
14369 \box\mult@rightbox
14370 \hskip-\hsize
14371 \hskip\full@width
14372 \fi
14373 }
14374 \newcommand\RTLmulticolcolumns
14375 {\let\bidimulticol@align@columns
14376 \RTL@column@boxes}
14377 \newcommand\LTRmulticolcolumns
14378 {\let\bidimulticol@align@columns
14379 \LTR@column@boxes}
14380 \newcommand\bidimulticol@align@columns
14381 {\ifRTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14382 \def\multicols#1{\col@number#1\relax
14383 \ifnum\col@number<\tw@
14384 \PackageWarning{multicol}%
14385 {Using ``\number\col@number'
14386 columns doesn't seem a good idea.^~J
14387 I therefore use two columns instead}%
14388 \col@number\tw@ \fi
14389 \ifnum\col@number>10
14390 \PackageError{multicol}%
14391 {Too many columns}%
14392 {Current implementation doesn't
14393 support more than 10 columns.%
14394 \MessageBreak
14395 I therefore use 10 columns instead}%
14396 \col@number10 \fi
14397 \ifx\@footnotetext\mult@footnotetext\else
14398 \let\orig@footnotetext\@footnotetext
14399 \let\@footnotetext\mult@footnotetext
14400 \fi
14401 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
14402 \let\orig@LTRfootnotetext\@LTRfootnotetext
14403 \let\@LTRfootnotetext\mult@LTRfootnotetext
14404 \fi
14405 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
14406 \let\orig@RTLfootnotetext\@RTLfootnotetext
14407 \let\@RTLfootnotetext\mult@RTLfootnotetext
14408 \fi
14409 \@ifnextchar[\mult@cols{\mult@cols[]}]
14410 \long\def\mult@footnotetext#1{\begingroup

```



```

14411         \hsize\textwidth
14412         \columnwidth\textwidth
14413         \orig@footnotetext{#1}\endgroup}
14414 \long\def\mult@LTRfootnotetext#1{\begingroup
14415         \hsize\textwidth
14416         \columnwidth\textwidth
14417         \orig@LTRfootnotetext{#1}\endgroup}
14418 \long\def\mult@RTLfootnotetext#1{\begingroup
14419         \hsize\textwidth
14420         \columnwidth\textwidth
14421         \orig@RTLfootnotetext{#1}\endgroup}
14422 \def\righ@footnoterule{%
14423     \kern-3\p@
14424     \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
14425     \kern2.6\p@}
14426 \def\textwidth@footnoterule{\kern-3\p@
14427     \hrule \@width \textwidth \kern 2.6\p@}

```

7.82 multienum-xetex-bidi.def

```

14428 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
14429 \renewcommand{\itemx}[1]{\parbox[t]{%
14430     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14431     \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
14432 \renewcommand{\itemxx}[2]{\parbox[t]{%
14433     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14434     \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14435     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14436     \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip
14437     \renewcommand{\itemxxx}[3]{\parbox[t]{%
14438     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14439     \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14440     {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
14441     \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
14442     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14443     \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
14444     \renewcommand{\itemxxxx}[4]{\parbox[t]{%
14445     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14446     \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14447     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14448     \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14449     \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14450     \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
14451     \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14452     \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip
14453     \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
14454     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14455     \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
14456     \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14457     \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%

```



```

14458 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14459 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
14460 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14461 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
14462 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14463 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
14464 \renewcommand{\itemxox}[2]{\parbox[t]%
14465 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14466 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14467 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14468 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
14469 \renewcommand{\itemxox}[2]{\parbox[t]%
14470 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14471 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
14472 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14473 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
14474 \renewcommand{\itemxox}[3]{\parbox[t]%
14475 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14476 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14477 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14478 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14479 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14480 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14481 \renewcommand{\itemxox}[3]{\parbox[t]%
14482 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14483 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14484 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14485 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
14486 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14487 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14488 \renewcommand{\itemxox}[3]{\parbox[t]%
14489 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14490 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14491 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14492 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14493 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14494 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

7.83 natbib-xetex-bidi.def

```

14495 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for ]
14496 \renewenvironment{thebibliography}[1]{%
14497   \bibsection
14498   \parindent\z@
14499   \bibpreamble
14500   \bibfont
14501   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14502   \bidi@thebibliography@font@hook%
14503   \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
14504   \ifNAT@openbib

```



```

14505 \renewcommand\newblock{\par}%
14506 \else
14507 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
14508 \fi
14509 \sloppy\clubpenalty4000\widowpenalty4000
14510 \sfcode`.\@m
14511 \let\NAT@bibitem@first@sw\@firstoftwo
14512 \let\citeN\cite \let\shortcite\cite
14513 \let\citeasnoun\cite
14514 }{%
14515 \bibitem@fin
14516 \bibpostamble
14517 \def\@noitemerr{%
14518 \PackageWarning{natbib}{Empty `thebibliography' environment}%
14519 }%
14520 \endlist
14521 \bibcleanup
14522 }%

```

7.84 newfloat-xetex-bidi.def

```

14523 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
14524 \renewcommand*\newfloat@setwithin[2]{%
14525 \ifcsname c@chapter\endcsname
14526 \@removefromreset{#1}{chapter}%
14527 \fi
14528 \@removefromreset{#1}{section}%
14529 \edef\@tempa{#2}%
14530 \ifx\@tempa\@empty
14531 \def\@tempa{none}%
14532 \fi
14533 \def\@tempb{none}%
14534 \ifx\@tempa\@tempb
14535 \ifcsname c@chapter\endcsname
14536 \@chapterlistsgap@off{#1}%
14537 \fi
14538 \newfloat@@setwithin{#1}{\@tempa}%
14539 \else
14540 \def\@tempb{chapter}%
14541 \ifx\@tempa\@tempb
14542 \@addtoreset{#1}{chapter}%
14543 \@chapterlistsgap@on{#1}%
14544 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
14545 \else
14546 \def\@tempb{section}%
14547 \ifx\@tempa\@tempb
14548 \@addtoreset{#1}{section}%
14549 \ifcsname c@chapter\endcsname
14550 \@addtoreset{#1}{chapter}%
14551 \@chapterlistsgap@on{#1}%

```



```

14552         \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
14553     \else
14554         \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection
14555     \fi
14556     \else
14557         \newfloat@Error{Invalid value `#2' for option `within'}%
14558     \fi
14559 \fi
14560 \fi}

```

7.85 ntheorem-xetex-bidi.def

```

14561 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
14562 \gdef\@thm#1#2#3{%
14563     \if@thmmarks
14564         \stepcounter{end\InTheoType ctr}%
14565     \fi
14566     \renewcommand{\InTheoType}{#1}%
14567     \if@thmmarks
14568         \stepcounter{curr#1ctr}%
14569         \setcounter{end#1ctr}{0}%
14570     \fi
14571     \refstepcounter{#2}%
14572     \theorem@prework
14573     \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
14574     \ifvmode \advance\thm@topsepadd\partopsep\fi
14575     \trivlist
14576     \@topsep \theorem@preskipamount
14577     \@topsepadd \thm@topsepadd % used by \@endparenv
14578     \advance\linewidth -\theorem@indent
14579     \advance\@totalleftmargin \theorem@indent
14580     \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14581     \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.86 ntheorem-hyper-xetex-bidi.def

```

14582 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hy
14583 \gdef\@thm#1#2#3{%
14584     \if@thmmarks
14585         \stepcounter{end\InTheoType ctr}%
14586     \fi
14587     \renewcommand{\InTheoType}{#1}%
14588     \if@thmmarks
14589         \stepcounter{curr#1ctr}%
14590         \setcounter{end#1ctr}{0}%
14591     \fi
14592     \refstepcounter{#2}%
14593     \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
14594     \ifvmode \advance\thm@topsepadd\partopsep\fi
14595     \trivlist
14596     \@topsep \theorem@preskipamount

```



```

14597 \@topsepadd \thm@topsepadd % used by \@endparenv
14598 \advance\linewidth -\theorem@indent
14599 \advance\totalleftmargin \theorem@indent
14600 \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \totalleftmargin \linewidth\fi
14601 \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.87 overpic-xetex-bidi.def

```

14602 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for
14603 \renewenvironment{overpic}[2][]{%
14604 \sbox{\z@}{\includegraphics[#1]{#2}}%
14605 \settodepth{\@tempcnta}{\usebox{\z@}}%
14606 \settoheight{\@tempcntb}{\usebox{\z@}}%
14607 \advance\@tempcntb\@tempcnta%
14608 \settowidth{\@tempcnta}{\usebox{\z@}}%
14609 \setlength{\@tempdima}{\unitlength}%
14610 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
14611 %
14612 \OVP@calc%
14613 %
14614 \begin{picture}(\@tempcnta,\@tempcntb)%
14615 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
14616 \ifGin@grid%
14617 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14618 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14619 \fi\fi%
14620 % reset the graphics parameter
14621 \let\Gin@outer@scalex\relax
14622 \let\Gin@outer@scaley\relax
14623 \let\Gin@angle\relax
14624 \let\Gin@ewidth\Gin@exclamation
14625 \let\Gin@eheight\Gin@ewidth
14626 \def\Gin@scalex{1}
14627 \let\Gin@scaley\Gin@exclamation
14628 }{%
14629 \if@RTL\ifGin@grid%
14630 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14631 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14632 \fi%
14633 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
14634 \end{picture}%
14635 }%

```

7.88 pdfbase-xetex-bidi.def

```

14636 \ProvidesFile{pdfbase-xetex-bidi.def}[2017/08/27 v0.1 bidi adaptations for pdfbase package for
14637 \ExplSyntaxOn
14638 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
14639 \cs_set_nopar:Npn\@outputpage{
14640 \int_gincr:N\g_pbs_page_int
14641 \iow_now:Nx\@mainaux{

```



```

14642 \token_to_str:N\pbs@newkey{pbs@last@page}{\int_use:N\g_pbs_page_int}
14643 }
14644 \box_if_vertical:cTF{@outputbox}{
14645   \bool_set_true:N\l_pbs_is_vertical_bool
14646 }{
14647   \bool_set_false:N\l_pbs_is_vertical_bool
14648 }
14649 \hbox_set:Nn\@outputbox{
14650   %begin of page
14651   \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
14652   \box_use_clear:N\@outputbox
14653   %end of page
14654   \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
14655   %end of dvi
14656   \int_compare:nT{\pbs@last@page=\g_pbs_page_int}{
14657     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eod_seq{##1}}
14658   }
14659 }
14660 \bool_if:NT\l_pbs_is_vertical_bool{
14661   \vbox_set:Nn\@outputbox{\box_use_clear:N\@outputbox}
14662 }
14663 %insert /Properties into current page's resources
14664 \pbs_insert_properties_entry:
14665 \pbs_outputpage_orig:
14666 }
14667 \ExplSyntaxOff

```

7.8g pdfpages-xetex-bidi.def

```

14668 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
14669 \renewcommand*{\includepdf}[2][{}]{%
14670   \begingroup
14671   \@RTLfalse
14672   \let\AM@threadname\relax
14673   \AM@split@options{pdfpages}{#1}%
14674   \edef\AM@temp{\pdfpages}{\the\@temptokena}}%
14675   \expandafter\setkeys\AM@temp
14676   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
14677     \let\AM@currentdocname\relax
14678     \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
14679     \def\AM@pagecount{0}%
14680   }{%
14681     \AM@findfile{#2}%
14682     \if\AM@threadname\relax
14683       \def\AM@threadname{\AM@currentdocname}%
14684     \fi
14685   }%
14686   \ifAM@survey
14687     \def\AM@pagestemp{}%
14688     \@tempcnta=0

```



```

1468g \def\foo{%
1469g   \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
1469i   {\let\foo\relax}
1469g   {\expandafter\ifx\expandafter\\AM@pagestemp\\
1469g     \edef\AM@pagestemp{%
1469g       \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
1469g     \else
1469g       \edef\AM@pagestemp{\AM@pagestemp,%
1469g         \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
1469g     \fi
1469g     \advance\@tempcnta 1\relax
1470g   }%
1470i   \foo
1470g }%
1470g \foo
1470g \expandafter\ifx\expandafter\\AM@pagestemp\\
1470g   \def\AM@pagestemp{1}%
1470g \fi
1470g \fi
1470g \ifAM@output
1470g   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
1470g   \AM@output{#1}%
1470g \fi
1470g \AM@CheckAtEnd
1470g \endgroup
1470g \AM@ClearShipoutPicture
1471g }

```

7.90 pgfcorescopes.code-xetex-bidi.def

```

1471g \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pac
1471g \def\pgfpicture{%
1471g   \begingroup%
1471g   \ifmmode\else\@RTLfalse\beginL\fi%
1472g   \pgfpicturetrue%
1472g   \global\advance\pgf@picture@serial@count by1\relax%
1472g   \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
1472g   \let\pgf@nodecallback=\pgfutil@gobble%
1472g   \pgf@picmaxx=-16000pt\relax%
1472g   \pgf@picminx=16000pt\relax%
1472g   \pgf@picmaxy=-16000pt\relax%
1472g   \pgf@picminy=16000pt\relax%
1472g   \pgf@relevantforpicturesizetrue%
1472g   \pgf@resetpathsizes%
1472g   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture%
1473g \def\endpgfpicture{%
1473g   \ifpgfrememberpicturepositiononpage%
1473g     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
1473g   \fi%
1473g   % ok, now let's position the box

```



```

14736      \ifdim\pgf@picmaxx=-16000pt\relax%
14737      % empty picture. make size 0.
14738      \global\pgf@picmaxx=0pt\relax%
14739      \global\pgf@picminx=0pt\relax%
14740      \global\pgf@picmaxy=0pt\relax%
14741      \global\pgf@picminy=0pt\relax%
14742      \fi%
14743      % Shift baseline outside:
14744      \pgf@relevantforpicturesizefalse%
14745      \pgf@process{\pgf@baseline}%
14746      \xdef\pgf@shift@baseline{\the\pgf@y}%
14747      %
14748      \pgf@process{\pgf@trimleft}%
14749      \global\advance\pgf@x by-\pgf@picminx
14750      % prepare \hskip\pgf@trimleft@final.
14751      % note that \pgf@trimleft@final is also queried
14752      % by the pgf image externalization.
14753      \xdef\pgf@trimleft@final{-\the\pgf@x}%
14754      %
14755      \pgf@process{\pgf@trimright}%
14756      \global\advance\pgf@x by-\pgf@picmaxx
14757      % prepare \hskip\pgf@trimright@final.
14758      % note that \pgf@trimright@final is also queried
14759      % by the pgf image externalization.
14760      \xdef\pgf@trimright@final{\the\pgf@x}%
14761      %
14762      \pgf@remember@layerlist@globally
14763      \endgroup%
14764      \hss%
14765      \egroup%
14766      \pgf@restore@layerlist@from@global
14767      \pgf@insertlayers%
14768      \endgroup%
14769      \pgfsys@discardpath%
14770      \endgroup%
14771      \pgfsys@endscope%
14772      \pgfsys@endpicture%
14773      \endgroup%
14774      \hss
14775      \egroup%
14776      \pgfsys@typesetpicturebox\pgfpic%
14777      \ifmmode\else\endL\fi%
14778      \endgroup%
14779  }

```

7.91 picinpar-xetex-bidi.def

```

14780 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
14781 \long\def\@makewincaption#1#2{%
14782   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%

```



```

14783 \ifdim\wd\@tempboxa>\picwd
14784     {\footnotesize{\bf #1:\enspace}{#2\par}}
14785 \else
14786     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
14787 \fi}
14788 \def\endwindow{%
14789     \global\tcd=\tcdsav
14790     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
14791     \vbadness=10000
14792     \splittopskip=0pt
14793 %
14794 % Typeset the lines above the window
14795 %
14796 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
14797 \tcn=\tcd
14798 \loop\advance\tcn -1
14799 \setbox\fslice=\vsplit\holder to\baselineskip
14800 \prune\fslice\linewidth
14801 \topheight=0pt
14802 \ifnum\dp\fslice>\dp\wstrutbox
14803     \advance\topheight-\dp\fslice
14804     \advance\topheight\dp\wstrutbox
14805     \advance\topheight\ilg\fi
14806 \hbox to\linewidth{\box\fslice}
14807 \vskip-\topheight
14808 \ifdim\ht\holder>0pt\repeat
14809 \fi
14810 %
14811 % Now we build the boxes beside the window
14812 %
14813 \global\topheight=\tcl\baselineskip
14814 \ifnum\cumpartcl>0\global\tcl=\cumtcl
14815     \global\topheight=\vpic
14816 \fi
14817 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
14818 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
14819 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
14820 \tcn=\tcl \na=0 \nb=0
14821 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
14822 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
14823 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
14824 \ifnum\na=0\ifnum\nb=0
14825     \setbox\waslice=\vbox to\vpic{\vss}
14826     \setbox\wbslice=\vbox to\vpic{\vss}
14827     \bl=1\br=1
14828     \vskip\ilg
14829 \fi\fi
14830 %
14831 % both sides
14832 %

```



```

14833 \ifnum\na>0 \ifnum\nb>0
14834 \loop\advance\nb -1
14835 \advance\na -1
14836 \if@RTL%
14837 \setbox\bslice=\vsplit\holder to\baselineskip
14838 \prune\bslice\rtside
14839 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14840 to\rtside{\box\bslice\hfil}}
14841 \setbox\aslice=\vsplit\holder to\baselineskip
14842 \prune\aslice\lftside
14843 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14844 to\lftside{\box\aslice\hfil}}
14845 \else%
14846 \setbox\aslice=\vsplit\holder to\baselineskip
14847 \prune\aslice\lftside
14848 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14849 to\lftside{\box\aslice\hfil}}
14850 \setbox\bslice=\vsplit\holder to\baselineskip
14851 \prune\bslice\rtside
14852 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14853 to\rtside{\box\bslice\hfil}}
14854 \fi%
14855 \ifnum\nb>0\repeat
14856 \fi\fi
14857 %
14858 % only text on the left side
14859 %
14860 \ifnum\na>0
14861 \loop\advance\na -1
14862 \setbox\aslice=\vsplit\holder to\baselineskip
14863 \prune\aslice\lftside
14864 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14865 to\lftside{\box\aslice\hfil}}
14866 \ifdim\ht\holder>0pt\repeat
14867 \fi
14868 %
14869 % only text on the right side
14870 %
14871 \ifnum\nb>0
14872 \loop\advance\nb -1
14873 \setbox\bslice=\vsplit\holder to\baselineskip
14874 \prune\bslice\rtside
14875 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14876 to\rtside{\box\bslice\hfil}}
14877 \ifdim\ht\holder>0pt\repeat
14878 \fi
14879 %
14880 % fixing the dimensions of the window part
14881 %
14882 \ifnum\bl=0\topheight=\ht\wbslice

```



```

14883 \else\ifnum\br=0\topheight=\ht\waslice
14884         \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
14885             \else\topheight=\ht\wbslice\fi\fi\fi
14886 %
14887 % ship out the window material to the main vertical list
14888 %
14889 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
14890 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
14891 \fi\fi\fi
14892 \setbox\windowbox=\vbox{\hbox to\linewidth{%
14893 \ifnum\bl>0\box\waslice\hfill\fi%
14894 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
14895 \vfill\unvbox\picbox%
14896 \ifnum\picwd>0\vfill\fi%
14897 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
14898 \unvbox\windowbox%
14899 \loop
14900 \setbox\bslice=\vsplit\rawtext to\baselineskip
14901 \prune\bslice\linewidth
14902 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
14903 \unvbox\wbslice
14904 \ifdim\ht\rawtext>0pt
14905 \repeat
14906 }% FINITO

```

7.92 plain-xetex-bidi.def

```

14907 \def\TeXeTOn{\TeXeTstate=1 }
14908 \def\TeXeTOff{\TeXeTstate=0 }
14909 \TeXeTOn
14910 \def\usebox#1{\leavevmode\copy #1\relax}
14911 \def\bidi@RTL@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox{
14912 \let\bidi@o@everypar=\everypar
14913 \newtoks\bidi@n@everypar
14914 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
14915 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
14916 \let\everypar=\bidi@n@everypar
14917 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
14918 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
14919 \protected\def\hboxR{\hbox\bgroup
14920 \everyhbox{%
14921 \aftergroup\egroup
14922 \everyhbox{}}%
14923 \beginR
14924 \@hboxRconstructtrue
14925 \bgroup
14926 \aftergroup\endR
14927 \aftergroup\egroup
14928 }\hbox}
14929 \protected\def\hboxL{\hbox\bgroup

```



```

14930 \everyhbox{%
14931 \aftergroup\egroup
14932 \everyhbox{}}%
14933 \beginL
14934 \@hboxRconstructfalse
14935 \bgroup
14936 \aftergroup\endL
14937 \aftergroup\egroup
14938 }\hbox}
14939 \protected\def\vboxR{\vbox\bgroup
14940 \everyvbox{%
14941 \aftergroup\egroup
14942 \everyvbox{}}%
14943 \@RTLtrue
14944 \bgroup
14945 \aftergroup\egroup
14946 }\vbox}
14947 \protected\def\vboxL{\vbox\bgroup
14948 \everyvbox{%
14949 \aftergroup\egroup
14950 \everyvbox{}}%
14951 \@RTLfalse
14952 \bgroup
14953 \aftergroup\egroup
14954 }\vbox}
14955 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
14956 \def\endLTR{\par}
14957 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
14958 \def\endRTL{\par}
14959 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
14960 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
14961 \let\unsetRTL=\setLTR
14962 \let\unsetLTR=\setRTL
14963 \let\LR=\LRE
14964 \let\RL=\RLE
14965 \def\@ensureRTL#1{\ifRTL#1\else\RLE{#1}\fi}
14966 \def\@ensureLTR#1{\ifRTL\LRE{#1}\else#1\fi}
14967 \let\@ensureRL=\@ensureRTL
14968 \let\@ensureLR=\@ensureLTR
14969 \def\@ensure@dir#1{\ifRTL\RLE{#1}\else{#1}\fi}
14970 \let\@ensure@maindir=\@ensure@dir
14971 \def\@RTL{RTL}
14972 \def\@LTR{LTR}
14973 \def\save@dir{\ifRTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
14974 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
14975 \let\@TeX\TeX
14976 \def\TeX{\@ensureLTR{\@TeX}}
14977 \long\def\@bidi@reflect@box#1{%
14978 \leavevmode
14979 \setbox\z@\hbox{{#1}}%

```



```

14980 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
14981 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
14982 }
14983 \def\XeTeXf{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
14984 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
14985 \let\setRL=\setRTL
14986 \let\setLR=\setLTR
14987 \let\unsetRL=\setLTR
14988 \let\bidisaved@eqno=\eqno
14989 \let\bidisaved@leqno=\leqno
14990 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
14991 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
14992 \def\centerline#1{\line{\hss@if@RTL\beginR\fi#1@if@RTL\endR\fi\hss}}
14993 \def\leftline#1{\line{\if@RTL\beginR\fi#1@if@RTL\endR\fi\hss}}
14994 \def\rightline#1{\line{\hss@if@RTL\beginR\fi#1@if@RTL\endR\fi}}

```

7.93 pstricks-xetex-bidi.def

```

14995 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
14996 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
14997 \def\endpspicture{%
14998 \ifshowgrid\ifnum\showgridp>0
14999 \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
15000 \pst@killglue
15001 % \global\pst@shift=\pst@shift% in fact of the following endgroup
15002 \endgroup
15003 \egroup
15004 \ifdim\wd\pst@hbox=\z@\else
15005 %\@pstrickserr{Extraneous space in the pspicture environment}%
15006 %\Type \space <return> \space to proceed.}%
15007 \fi
15008 \ht\pst@hbox=\pst@dimd
15009 \dp\pst@hbox=-\pst@dimb
15010 \setbox\pst@hbox=\hbox{%
15011 \kern-\pst@dima
15012 % Orig version -----
15013 %\ifx\pst@tempa\empty\else
15014 %\advance\pst@dimd-\pst@dimb
15015 %\pst@dimd=\pst@tempa\pst@dimd
15016 %\advance\pst@dimd\pst@dimb
15017 %\lower\pst@dimd
15018 %\fi
15019 %----- end Orig
15020 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
15021 \advance\pst@dimd-\pst@dimb
15022 \pst@dimd=0.5\pst@dimd
15023 \else\pst@dimd-\pst@shift\fi
15024 \advance\pst@dimd\pst@dimb
15025 \lower\pst@dimd
15026 \box\pst@hbox

```



```

15027 \kern\pst@dimc}%
15028 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15029 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
15030 \fboxsep=0pt
15031 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15032 \ifmmode\else\endL\fi
15033 \endgroup%
15034 \psset[pstricks]{shift=0}% reset value
15035 }

```

7.94 quotchap-xetex-bidi.def

```

15036 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15037 \renewcommand{\qauthor}[1]{%
15038 \par\smallskip
15039 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{}\par}\bigskip}
15040 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15041 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
15042 \chapnumfont
15043 \ifnum \c@secnumdepth >\m@ne%
15044 \if@mainmatter\thechapter%
15045 \fi\fi
15046 \par\nobreak}%
15047 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10pt}
15048 \nobreak\chapterheadendvskip}}
15049 \renewcommand*{\@iprintcites}{%
15050 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15051 \global\let\@printcites\relax}

```

7.95 ragged2e-xetex-bidi.def

```

15052 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package]
15053 \renewcommand{\Centering}{%
15054 \ifx\\ \@raggedtwoe@savedcr
15055 \let\\ \@centercr
15056 \fi
15057 \let\@gnewline\@raggedtwoe@gnewline
15058 \if@RTL\rightright\else\leftskip\fi\CenteringLeftskip
15059 \@rightskip\CenteringRightskip
15060 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15061 \parfillskip\CenteringParfillskip
15062 \parindent\CenteringParindent
15063 \@raggedtwoe@spaceskiptrue
15064 \@raggedtwoe@everyselectfont
15065 }
15066 \renewcommand{\RaggedLeft}{%
15067 \ifx\\ \@raggedtwoe@savedcr
15068 \let\\ \@centercr
15069 \fi
15070 \let\@gnewline\@raggedtwoe@gnewline
15071 \if@RTL\rightright\else\leftskip\fi\RaggedLeftLeftskip

```



```

15072 \@rightskip\RaggedLeftRightskip
15073 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15074 \parfillskip\RaggedLeftParfillskip
15075 \parindent\RaggedLeftParindent
15076 \@raggedtwo@spaceskiptrue
15077 \@raggedtwo@everyselectfont
15078 }
15079 \renewcommand{\RaggedRight}{%
15080 \ifx\\ \@raggedtwo@savedcr
15081 \let\\ @centercr
15082 \fi
15083 \let@gnewline \@raggedtwo@gnewline
15084 \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
15085 \@rightskip\RaggedRightRightskip
15086 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15087 \parfillskip\RaggedRightParfillskip
15088 \parindent\RaggedRightParindent
15089 \@raggedtwo@spaceskiptrue
15090 \@raggedtwo@everyselectfont
15091 }
15092 \renewcommand{\justifying}{%
15093 \let\\ \@raggedtwo@savedcr
15094 \let@gnewline \@raggedtwo@saved@gnewline
15095 \if@RTL\rightskip\else\leftskip\fi\z@
15096 \@rightskip\z@
15097 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15098 \parfillskip\JustifyingParfillskip
15099 \parindent\JustifyingParindent
15100 \@raggedtwo@spaceskipfalse
15101 \@raggedtwo@everyselectfont
15102 }
15103 \renewcommand*{\@raggedtwo@raggedrightboxes@opt}{
15104 \CheckCommand*{\@arrayparboxrestore}{%
15105 \let@if@nbreak\iffalse
15106 \let@if@noskipsec\iffalse
15107 \let\par\@par
15108 \let\-\@dischyph
15109 \let'\@acci\let\`@accii\let\=@acciii
15110 \parindent\z@ \parskip\z@skip
15111 \everypar{}%
15112 \linewidth\hsize
15113 \@totalleftmargin\z@
15114 \if@RTL\rightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@rightskip\z@skip
15115 \parfillskip\@flushglue \lineskip\normallineskip
15116 \baselineskip\normalbaselineskip
15117 \sloppy}%
15118 \renewcommand{\@arrayparboxrestore}{%
15119 \let@if@nbreak\iffalse
15120 \let@if@noskipsec\iffalse
15121 \let\par\@par

```



```

15122 \let\-\@dischyph
15123 \let'\@acci\let'\@accii\let\=\@acciii
15124 \parskip\z@skip
15125 \everypar{}%
15126 \linewidth\hsize
15127 \@totalleftmargin\z@
15128 \RaggedRight
15129 \lineskip\normallineskip
15130 \baselineskip\normalbaselineskip
15131 \sloppy}%
15132 \let\@raggedtwoe@raggedrightboxes@opt\relax
15133 }
15134 \let\origin@RaggedLeft=\RaggedLeft
15135 \let\origin@RaggedRight=\RaggedRight
15136 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
15137 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

7.96 rapport1-xetex-bidi.def

```

15138 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class fo
15139 \renewenvironment{theindex}{%
15140 \if@twocolumn
15141 \@restonecolfalse
15142 \else
15143 \@restonecoltrue
15144 \fi
15145 \columnseprule \z@
15146 \columnsep 35\p@
15147 \twocolumn[\@makeschapterhead{\indexname}]}%
15148 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15149 \thispagestyle{plain}\parindent\z@
15150 \parskip\z@ \@plus .3\p@\relax
15151 \let\item\@idxitem
15152 }{%
15153 \if@restonecol\onecolumn\else\clearpage\fi}
15154 \renewcommand*\head@style{%
15155 \interlinepenalty \@M
15156 \hyphenpenalty=\@M \exhyphenpenalty=\@M
15157 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15158 \if@titlepage
15159 \renewenvironment{abstract}{%
15160 \titlepage
15161 \null\vfil
15162 \section*{\SectFont\abstractname}%
15163 \noindent\ignorespaces}
15164 {\par\vfil\null\endtitlepage}
15165 \else
15166 \renewenvironment{abstract}{%
15167 \if@twocolumn
15168 \section*{\abstractname}%

```



```

15169     \else
15170         \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15171         \section*{\small\SectFont\abstractname}%
15172         \noindent\ignorespaces
15173     \fi}
15174     {\if@twocolumn\else\par\egroup\fi}
15175 \fi
15176 \renewcommand*\@regtocline[3]{%
15177     \ifnum #1>\c@tocdepth
15178     \else
15179         \vskip\z@ \@plus.2\p@
15180         {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
15181         \if@RTL\rightskip\else\leftskip\fi\unitindent
15182         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
15183         \parfillskip\z@
15184         \@tempdima\unitindent
15185         \parindent\z@
15186         \leavevmode
15187         \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
15188         \hskip 1em \nobreak{\slshape #3}\par
15189     }%
15190     \fi}
15191 \if@oldtoc
15192 \renewcommand*\l@part[2]{%
15193     \ifnum \c@tocdepth >-2\relax
15194         \addpenalty{-\@highpenalty}%
15195         \addvspace{2.25em \@plus\p@}%
15196         \begingroup
15197             \setlength\@tempdima{3em}%
15198             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15199             \parfillskip -\@pnumwidth
15200             {\leavevmode
15201                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15202                 \nobreak
15203                 \global\@nobreaktrue
15204                 \everypar{\global\@nobreakfalse\everypar{}}%
15205             \endgroup
15206         \fi}
15207 \else
15208 \renewcommand*\l@part{%
15209     \ifnum \c@tocdepth >-2\relax
15210         \addpenalty{-\@highpenalty}%
15211         \addvspace{2.25em \@plus\p@}%
15212         \@regtocline{0}%
15213     \fi}
15214 \fi
15215 \if@oldtoc
15216 \renewcommand*\l@chapter[2]{%
15217     \addpenalty{-\@highpenalty}%
15218     \vskip 1.0em \@plus\p@

```



```

15219 \setlength\@tempdima{1.5em}%
15220 \begingroup
15221 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15222 \parfillskip -\@pnumwidth
15223 \leavevmode \bfseries
15224 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15225 \hskip -\if@RTL\rightskip\else\leftskip\fi
15226 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15227 \penalty\@highpenalty
15228 \endgroup}
15229 \else
15230 \renewcommand*\l@chapter{\@regtocline{0}}
15231 \fi
15232 \renewcommand*\left@footnoterule{%
15233 \kern-3\p@
15234 \kern.5\baselineskip
15235 \hrule\@width\unitindent
15236 \kern.4\baselineskip
15237 }
15238 \renewcommand*\right@footnoterule{%
15239 \kern-3\p@
15240 \kern.5\baselineskip
15241 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15242 \kern.4\baselineskip}
15243 \renewenvironment{thebibliography}[1]
15244 {\chapter*\bibname}%
15245 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15246 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15247 \bidi@thebibliography@font@hook%
15248 \list{\@biblabel{\@arabic\c@enumiv}}%
15249 {\settowidth\labelwidth{\@biblabel{#1}}%
15250 \leftmargin\labelwidth
15251 \advance\leftmargin\labelsep
15252 \@openbib@code
15253 \usecounter{enumiv}%
15254 \let\p@enumiv\@empty
15255 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15256 \sloppy\clubpenalty4000\widowpenalty4000%
15257 \sfcode`.\@m}
15258 {\def\@noitemerr
15259 {\@latex@warning{Empty `thebibliography' environment}}%
15260 \endlist}
15261 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15262 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
15263 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
15264 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
15265 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
15266 \renewcommand*\theequation{%
15267 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15268 \renewcommand*\thefigure{%

```



```

15269 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15270 \renewcommand*\thetable{%
15271 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15272 \if@titlepage
15273 \renewcommand*\TitleFont{\rmfamily}
15274 \renewcommand*\maketitle{%
15275 \begin{titlepage}%
15276 \let\footnotesize\small
15277 \let\right@footnoterule\relax
15278 \let\left@footnoterule\relax
15279 \let\textwidth@footnoterule\relax
15280 \let\footnote\thanks
15281 \long\def\@makefnmark##1{\parindent\z@
15282 \def\labelitemi{\textendash}\@revlabeltrue
15283 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15284 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15285 \if@compatibility\setcounter{page}{0}\fi
15286 \null\vfil
15287 \vskip 60\p@
15288 \begin{center}%
15289 \TitleFont
15290 {\LARGE \def\\{\penalty -\@M}
15291 \if@allcaps
15292 \expandafter\uc@nothanks\@title\thanks\relax
15293 \else
15294 \@title
15295 \fi\par}%
15296 \vskip 3em%
15297 {\large
15298 \lineskip .75em \parindent\z@
15299 \begin{tabular}[t]{c}%
15300 \if@allcaps
15301 \expandafter\uc@author\@author\and\relax
15302 \else
15303 \@author
15304 \fi
15305 \end{tabular}\par}%
15306 \vskip 1.5em%
15307 {\large
15308 \if@allcaps
15309 \uppercase\expandafter{\@date}%
15310 \else
15311 \@date
15312 \fi\par}%
15313 \end{center}\par
15314 \@thanks
15315 \vfil\null
15316 \end{titlepage}%
15317 \setcounter{footnote}{0}%
15318 \global\let\thanks\relax

```



```

15319 \global\let\maketitle\relax
15320 \global\let\@thanks\@empty
15321 \global\let\@author\@empty
15322 \global\let\@title\@empty
15323 \global\let\@date\@empty
15324 \global\let\title\relax
15325 \global\let\author\relax
15326 \global\let\date\relax
15327 \global\let\and\relax
15328 }
15329 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15330 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15331 \futurelet\@tempa\uc@ax}
15332 \def\uc@ax{%
15333 \ifx\@tempa\relax
15334 \else
15335 \\\andname \\\expandafter\uc@authornothanks
15336 \fi}
15337 \def\uc@tx{\ifx\@tempa\relax
15338 \else \expandafter\uc@ty \fi}
15339 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15340 \else
15341 \renewcommand*\maketitle{\par
15342 \begingroup
15343 \renewcommand*\thefootnote{\fnsymbol\c@footnote}%
15344 \def\@makefnmark{\rlap{%
15345 \@textsuperscript{\normalfont\@thefnmark}}}%
15346 \long\def\@makefntext{\xmakefntext{%
15347 \@textsuperscript{\normalfont\@thefnmark}}}%
15348 \if@twocolumn
15349 \ifnum \col@number=\@ne
15350 \@maketitle
15351 \else
15352 \twocolumn[\@maketitle]%
15353 \fi
15354 \else
15355 \newpage
15356 \global\@topnum\z@
15357 \@maketitle
15358 \fi
15359 \thispagestyle{plain}\@thanks
15360 \endgroup
15361 \setcounter{footnote}{0}%
15362 \global\let\thanks\relax
15363 \global\let\maketitle\relax
15364 \global\let\@maketitle\relax
15365 \global\let\@thanks\@empty
15366 \global\let\@author\@empty
15367 \global\let\@title\@empty
15368 \global\let\@date\@empty

```



```

15369 \global\let\title\relax
15370 \global\let\author\relax
15371 \global\let\date\relax
15372 \global\let\and\relax
15373 }
15374 \def\@maketitle{%
15375 \newpage
15376 \null
15377 \vskip 2em%
15378 \begin{center}%
15379 \let \footnote \thanks
15380 {\LARGE \TitleFont \@title \par}%
15381 \vskip 1.5em%
15382 {\large \TitleFont
15383 \lineskip .5em%
15384 \begin{tabular}[t]{c}%
15385 \@author
15386 \end{tabular}\par}%
15387 \vskip 1em%
15388 {\large \TitleFont \@date}%
15389 \end{center}%
15390 \par
15391 \vskip 1.5em}
15392 \fi

```

7.97 rapport3-xetex-bidi.def

```

15393 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class fo
15394 \renewenvironment{theindex}{%
15395 \if@twocolumn
15396 \@restonecolfalse
15397 \else
15398 \@restonecoltrue
15399 \fi
15400 \columnseprule \z@
15401 \columnsep 35\p@
15402 \twocolumn[\@makeschapterhead{\indexname}]%
15403 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15404 \thispagestyle{plain}\parindent\z@
15405 \parskip\z@ \@plus .3\p@\relax
15406 \let\item\@idxitem
15407 }{%
15408 \if@restonecol\onecolumn\else\clearpage\fi}
15409 \if@titlepage
15410 \renewcommand*\TitleFont{\rmfamily}
15411 \renewcommand*\maketitle{%
15412 \begin{titlepage}%
15413 \let\footnotesize\small
15414 \let\right@footnoterule\relax
15415 \let\left@footnoterule\relax

```



```

15416 \let\textwidth@footnoterule\relax
15417 \let \footnote \thanks
15418 \let \LTRfootnote \LTRthanks
15419 \let \RTLfootnote \RTLthanks
15420 \long\def\@makefntext##1{\parindent\z@
15421     \def\labelitemi{\textendash}\@revlabeltrue
15422     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15423 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15424 \if@compatibility\setcounter{page}{0}\fi
15425 \null\vfil
15426 \vskip 60\p@
15427 \begin{center}%
15428     \TitleFont
15429     {\LARGE \def\\{\penalty -\@M}
15430         \if@allcaps
15431             \expandafter\uc@nothanks\@title\thanks\relax
15432         \else
15433             \@title
15434         \fi\par}%
15435     \vskip 3em%
15436     {\large
15437         \lineskip .75em \parindent\z@
15438         \begin{tabular}[t]{c}%
15439             \if@allcaps
15440                 \expandafter\uc@authornothanks\@author\and\relax
15441             \else
15442                 \@author
15443             \fi
15444         \end{tabular}\par}%
15445     \vskip 1.5em%
15446     {\large
15447         \if@allcaps
15448             \uppercase\expandafter{\@date}%
15449         \else
15450             \@date
15451         \fi\par}%
15452     \end{center}\par
15453     \@thanks
15454     \vfil\null
15455 \end{titlepage}%
15456 \setcounter{footnote}{0}%
15457 \global\let\thanks\relax
15458 \global\let\LTRthanks\relax
15459 \global\let\RTLthanks\relax
15460 \global\let\maketitle\relax
15461 \global\let\@thanks\@empty
15462 \global\let\@author\@empty
15463 \global\let\@title\@empty
15464 \global\let\@date\@empty
15465 \global\let\title\relax

```



```

15466 \global\let\author\relax
15467 \global\let\date\relax
15468 \global\let\and\relax
15469 }
15470 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15471 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15472 \futurelet\@tempa\uc@ax}
15473 \def\uc@ax{%
15474 \ifx\@tempa\relax
15475 \else
15476 \\\andname \\\expandafter\uc@authornothanks
15477 \fi}
15478 \def\uc@tx{\ifx\@tempa\relax
15479 \else \expandafter\uc@ty \fi}
15480 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15481 \else
15482 \renewcommand*\maketitle{\par
15483 \begingroup
15484 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15485 \def\@makefnmark{\rlap{%
15486 \@textsuperscript{\normalfont\@thefnmark}}}%
15487 \long\def\@makefntext{\@xmakefntext{%
15488 \@textsuperscript{\normalfont\@thefnmark}}}%
15489 \if@twocolumn
15490 \ifnum \col@number=\@ne
15491 \@maketitle
15492 \else
15493 \twocolumn[\@maketitle]%
15494 \fi
15495 \else
15496 \newpage
15497 \global\@topnum\z@
15498 \@maketitle
15499 \fi
15500 \thispagestyle{plain}\@thanks
15501 \endgroup
15502 \setcounter{footnote}{0}%
15503 \global\let\thanks\relax
15504 \global\let\LTRthanks\relax
15505 \global\let\RTLthanks\relax
15506 \global\let\maketitle\relax
15507 \global\let\@maketitle\relax
15508 \global\let\@thanks\@empty
15509 \global\let\@author\@empty
15510 \global\let\@title\@empty
15511 \global\let\@date\@empty
15512 \global\let\title\relax
15513 \global\let\author\relax
15514 \global\let\date\relax
15515 \global\let\and\relax

```



```

15516 }
15517 \def\@maketitle{%
15518   \newpage
15519   \null
15520   \vskip 2em%
15521   \if@titlecentered
15522     \begin{center}%
15523       \let \footnote \thanks
15524       \let \LTRfootnote \LTRthanks
15525       \let \RTLfootnote \RTLthanks
15526       {\LARGE \TitleFont \@title \par}%
15527       \vskip 1.5em%
15528       {\large \TitleFont
15529         \lineskip .5em%
15530         \begin{tabular}[t]{c}%
15531           \@author
15532         \end{tabular}\par}%
15533       \vskip 1em%
15534       {\large \TitleFont \@date}%
15535     \end{center}%
15536   \else
15537     {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
15538     {\large \TitleFont \lineskip .5em \tabcolsep\z@
15539       \def\and{%% \begin{tabular} has already started
15540         \end{tabular}\hskip 1em plus .17fil
15541         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
15542         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\p
15543       \vskip 1em {\large \TitleFont \@date}
15544     \fi
15545     \par
15546     \vskip 1.5em}
15547   \fi
15548   \renewcommand*\@regtocline[3]{%
15549     \ifnum #1>\c@tocdepth
15550     \else
15551       \vskip\z@\@plus.2\p@
15552       {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15553        \if@RTL\righskip\else\leftskip\fi\unitindent
15554        \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
15555        \parfillskip\z@
15556        \@tempdima\unitindent
15557        \parindent\z@
15558        \leavevmode
15559        \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
15560        \hskip 1em \nobreak{\slshape #3}\par
15561      }%
15562     \fi}
15563   \if@oldtoc
15564     \renewcommand*\l@part[2]{%
15565       \ifnum \c@tocdepth >-2\relax

```



```

15566 \addpenalty{-\@highpenalty}%
15567 \addvspace{2.25em \@plus\p@}%
15568 \begingroup
15569 \setlength\@tempdima{3em}%
15570 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15571 \parfillskip -\@pnumwidth
15572 {\leavevmode
15573 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15574 \nobreak
15575 \global\@nobreaktrue
15576 \everypar{\global\@nobreakfalse\everypar{}}%
15577 \endgroup
15578 \fi}
15579 \else
15580 \renewcommand*\l@part{%
15581 \ifnum \c@tocdepth >-2\relax
15582 \addpenalty{-\@highpenalty}%
15583 \addvspace{2.25em \@plus \p@}%
15584 \@regtocline{0}%
15585 \fi}
15586 \fi
15587 \if@oldtoc
15588 \renewcommand*\l@chapter[2]{%
15589 \addpenalty{-\@highpenalty}%
15590 \vskip 1.0em \@plus\p@
15591 \setlength\@tempdima{1.5em}%
15592 \begingroup
15593 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15594 \parfillskip -\@pnumwidth
15595 \leavevmode \bfseries
15596 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15597 \hskip -\if@RTL\rightskip\else\leftskip\fi
15598 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15599 \penalty\@highpenalty
15600 \endgroup}
15601 \else
15602 \renewcommand*\l@chapter{\@regtocline{0}}
15603 \fi
15604 \renewcommand*\head@style{%
15605 \interlinepenalty \@M
15606 \hyphenpenalty=\@M \exhyphenpenalty=\@M
15607 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15608 \if@titlepage
15609 \renewenvironment{abstract}{%
15610 \titlepage
15611 \null\vfil
15612 \section*{\SectFont\abstractname}%
15613 \noindent\ignorespaces}
15614 {\par\vfil\null\endtitlepage}
15615 \else

```



```

15616 \renewenvironment{abstract}{%
15617     \if@twocolumn
15618         \section*{\abstractname}%
15619     \else
15620         \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15621         \section*{\small\SectFont\abstractname}%
15622         \noindent\ignorespaces
15623     \fi}
15624     {\if@twocolumn\else\par\egroup\fi}
15625 \fi
15626 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15627 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15628 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15629 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15630 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15631 \renewcommand*\thefigure{%
15632     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15633 \renewcommand*\thetable{%
15634     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15635 \renewcommand*\theequation{%
15636     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15637 \renewenvironment{thebibliography}[1]
15638     {\chapter*{\bibname}%
15639     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15640     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15641     \bidi@thebibliography@font@hook%
15642     \list{\@biblabel{\@arabic\c@enumiv}}%
15643         {\settowidth\labelwidth{\@biblabel{#1}}%
15644         \leftmargin\labelwidth
15645         \advance\leftmargin\labelsep
15646         \@openbib@code
15647         \usecounter{enumiv}%
15648         \let\p@enumiv\@empty
15649         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15650     \sloppy\clubpenalty4000\widowpenalty4000%
15651     \sfcode`\.\@m}
15652     {\def\@noitemerr
15653     {\@latex@warning{Empty `thebibliography' environment}}}%
15654     \endlist}
15655 \renewcommand*\left@footnoterule{%
15656     \kern-3\p@
15657     \kern.5\baselineskip
15658     \hrule\@width\unitindent
15659     \kern.4\baselineskip
15660 }
15661 \renewcommand*\right@footnoterule{%
15662     \kern-3\p@
15663     \kern.5\baselineskip
15664     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15665     \kern.4\baselineskip}

```



```

15666 \renewcommand*\head@style{%
15667     \interlinepenalty \@M
15668     \hyphenpenalty=\@M \exhyphenpenalty=\@M
15669     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

7.98 refrep-xetex-bidi.def

```

15670 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for Xe
15671 \if@titlepage
15672 \renewcommand\maketitle{\begin{titlepage}%
15673 \let\footnotesize\small
15674 \let\right@footnoterule\relax
15675 \let\left@footnoterule\relax
15676 \let\textwidth\footnoterule\relax
15677 \let\footnote\thanks
15678 \let\LTRfootnote\LTRthanks
15679 \let\RTLfootnote\RTLthanks
15680 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15681 \def\@makefnmark%
15682     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15683 \long\def\@makefntext##1{%
15684     \setpar{\@par
15685         \@tempdima = \hsize
15686         \advance\@tempdima -1em
15687         \parshape \@ne 1em \@tempdima}%
15688     \par\parindent 1em \noindent
15689     \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}}\,}##1}
15690 \null\vfil
15691 \vskip 60\p@
15692 \begin{center}%
15693     {\LARGE \@title \par}%
15694     \vskip 3em%
15695     {\large
15696         \lineskip .75em%
15697         \begin{tabular}[t]{c}%
15698             \@author
15699         \end{tabular}\par}%
15700     \vskip 1.5em%
15701     {\large \@date \par}%           % Set date in \large size.
15702 \end{center}\par
15703 \@thanks
15704 \vfil\null
15705 \end{titlepage}%
15706 \setcounter{footnote}{0}%
15707 \global\let\thanks\relax
15708 \global\let\LTRthanks\relax
15709 \global\let\RTLthanks\relax
15710 \global\let\maketitle\relax
15711 \global\let\@thanks\@empty
15712 \global\let\@author\@empty

```



```

15713 \global\let\@date\@empty
15714 \global\let\@title\@empty
15715 \global\let\title\relax
15716 \global\let\author\relax
15717 \global\let\date\relax
15718 \global\let\and\relax
15719 }
15720 \else
15721 \renewcommand\maketitle{\par
15722 \begingroup
15723 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15724 \def\@makefnmark%
15725 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15726 \long\def\@makefntext##1{%
15727 \setpar{\@par
15728 \@tempdima = \hsize
15729 \advance\@tempdima -1em
15730 \parshape \@ne 1em \@tempdima}%
15731 \par\parindent 1em \noindent
15732 \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\},\##1}
15733 \if@twocolumn
15734 \ifnum \col@number=\@ne
15735 \@maketitle
15736 \else
15737 \twocolumn[\@maketitle]%
15738 \fi
15739 \else
15740 \newpage
15741 \global\@topnum\z@ % Prevents figures from going at top of page.
15742 \@maketitle
15743 \fi
15744 \thispagestyle{empty}\@thanks
15745 \endgroup
15746 \setcounter{footnote}{0}%
15747 \global\let\thanks\relax
15748 \global\let\LTRthanks\relax
15749 \global\let\RTLthanks\relax
15750 \global\let\maketitle\relax
15751 \global\let\@maketitle\relax
15752 \global\let\@thanks\@empty
15753 \global\let\@author\@empty
15754 \global\let\@date\@empty
15755 \global\let\@title\@empty
15756 \global\let\title\relax
15757 \global\let\author\relax
15758 \global\let\date\relax
15759 \global\let\and\relax
15760 }
15761 \def\@maketitle{%
15762 \newpage

```



```

15763 \null
15764 \longthickrule\vskip1.5em%
15765 \let \footnote \thanks
15766 \let \LTRfootnote \LTRthanks
15767 \let \RTLfootnote \RTLthanks
15768 {\secshape \parskip\z@ \parindent\z@
15769 \Large\bfseries \@title \par}%
15770 \vskip1.5em\longthickrule\vskip1.5em%
15771 {\normalsize
15772 \lineskip .5em%
15773 \begin{flushright}%
15774 {\slshape\@author\par}
15775 \vskip 1em%
15776 {\@date}%
15777 \end{flushright}\par}%
15778 \vskip 1.5em}
15779 \fi
15780 \renewcommand*\l@part[2]{%
15781 \ifnum \c@tocdepth >-2\relax
15782 \addpenalty{-\@highpenalty}%
15783 \addvspace{2.25em \@plus\p@}%
15784 \begingroup
15785 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15786 \parfillskip -\@pnumwidth
15787 {\leavevmode
15788 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
15789 \nobreak
15790 \global\@nobreaktrue
15791 \everypar{\global\@nobreakfalse\everypar{}}%
15792 \endgroup
15793 \fi}
15794 \renewcommand*\l@chapter[2]{%
15795 \ifnum \c@tocdepth >\m@ne
15796 \addpenalty{-\@highpenalty}%
15797 \vskip 1.0em \@plus\p@
15798 \setlength\@tempdima{1.5em}%
15799 \begingroup
15800 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15801 \parfillskip -\@pnumwidth
15802 \leavevmode \bfseries
15803 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15804 \hskip -\if@RTL\rightskip\else\leftskip\fi
15805 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15806 \penalty\@highpenalty
15807 \endgroup
15808 \fi}
15809 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
15810 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
15811 \hyphenpenalty=2000}
15812 \renewcommand\left@footnoterule{%

```



```

15813 \kern-3\p@
15814 \hrule\@width.4\columnwidth
15815 \kern 2.6\p@}
15816 \renewcommand\right@footnoterule{%
15817 \kern-3\p@
15818 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15819 \kern2.6\p@}
15820 \renewcommand\theequation
15821 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15822 \renewcommand\thefigure
15823 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15824 \renewcommand\thetable%
15825 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15826 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
15827 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15828 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
15829 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15830 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15831 \renewenvironment{thebibliography}[1]
15832 {\chapter*{\bibname
15833 \mkboth{\bibname}{\bibname}}%
15834 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15835 \bidi@thebibliography@font@hook%
15836 \list{\@biblabel{\@arabic\c@enumiv}}%
15837 {\settowidth\labelwidth{\@biblabel{#1}}%
15838 \leftmargin\labelwidth
15839 \advance\leftmargin\labelsep
15840 \@openbib@code
15841 \usecounter{enumiv}%
15842 \let\p@enumiv\@empty
15843 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15844 \sloppy
15845 \clubpenalty4000
15846 \@clubpenalty \clubpenalty
15847 \widowpenalty4000%
15848 \sfcode`\.=\@m}
15849 {\def\@noitemerr
15850 {\@latex@warning{Empty `thebibliography' environment}}%
15851 \endlist}

```

7.99 report-xetex-bidi.def

```

15852 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report cla
15853 \renewenvironment{theindex}
15854 {\if@twocolumn
15855 \@restonecolfalse
15856 \else
15857 \@restonecoltrue
15858 \fi
15859 \columnseprule \z@

```



```

15860             \columnsep 35\p@
15861             \twocolumn[\@makeschapterhead{\indexname}]%
15862             \@mkboth{\MakeUppercase\indexname}%
15863                 {\MakeUppercase\indexname}%
15864             \thispagestyle{plain}\parindent\z@
15865             \parskip\z@ \@plus .3\p@\relax
15866             \let\item\@idxitem}
15867         {\if@restonecol\onecolumn\else\clearpage\fi}
15868     \if@titlepage
15869     \renewcommand\maketitle{\begin{titlepage}%
15870     \let\footnotesize\small
15871     \let\right@footnoterule\relax
15872     \let\left@footnoterule\relax
15873     \let\textwidth\footnoterule\relax
15874     \let \footnote \thanks
15875     \let \LTRfootnote \LTRthanks
15876     \let \RTLfootnote \RTLthanks
15877     \null\vfil
15878     \vskip 60\p@
15879     \begin{center}%
15880         {\LARGE \@title \par}%
15881         \vskip 3em%
15882         {\large
15883         \lineskip .75em%
15884         \begin{tabular}[t]{c}%
15885             \@author
15886         \end{tabular}\par}%
15887         \vskip 1.5em%
15888         {\large \@date \par}%           % Set date in \large size.
15889     \end{center}\par
15890     \@thanks
15891     \vfil\null
15892     \end{titlepage}%
15893     \setcounter{footnote}{0}%
15894     \global\let\thanks\relax
15895     \global\let\LTRthanks\relax
15896     \global\let\RTLthanks\relax
15897     \global\let\maketitle\relax
15898     \global\let\@thanks\@empty
15899     \global\let\@author\@empty
15900     \global\let\@date\@empty
15901     \global\let\@title\@empty
15902     \global\let\title\relax
15903     \global\let\author\relax
15904     \global\let\date\relax
15905     \global\let\and\relax
15906 }
15907 \else
15908 \renewcommand\maketitle{\par
15909 \begingroup

```



```

15910 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15911 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15912 \long\def\@makefntext##1{\parindent 1em\noindent
15913     \hb@xt@1.8em{%
15914         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15915 \if@twocolumn
15916     \ifnum \col@number=\@ne
15917         \@maketitle
15918     \else
15919         \twocolumn[\@maketitle]%
15920     \fi
15921 \else
15922     \newpage
15923     \global\@topnum\z@    % Prevents figures from going at top of page.
15924     \@maketitle
15925 \fi
15926 \thispagestyle{plain}\@thanks
15927 \endgroup
15928 \setcounter{footnote}{0}%
15929 \global\let\thanks\relax
15930 \global\let\LTRthanks\relax
15931 \global\let\RTLthanks\relax
15932 \global\let\maketitle\relax
15933 \global\let\@maketitle\relax
15934 \global\let\@thanks\@empty
15935 \global\let\@author\@empty
15936 \global\let\@date\@empty
15937 \global\let\@title\@empty
15938 \global\let\title\relax
15939 \global\let\author\relax
15940 \global\let\date\relax
15941 \global\let\and\relax
15942 }
15943 \def\@maketitle{%
15944     \newpage
15945     \null
15946     \vskip 2em%
15947     \begin{center}%
15948     \let \footnote \thanks
15949     \let \LTRfootnote \LTRthanks
15950     \let \RTLfootnote \RTLthanks
15951     {\LARGE \@title \par}%
15952     \vskip 1.5em%
15953     {\large
15954         \lineskip .5em%
15955         \begin{tabular}[t]{c}%
15956             \@author
15957         \end{tabular}\par}%
15958     \vskip 1em%
15959     {\large \@date}%

```



```

15960 \end{center}%
15961 \par
15962 \vskip 1.5em}
15963 \fi
15964 \renewcommand*\l@part[2]{%
15965 \ifnum \c@tocdepth >-2\relax
15966 \addpenalty{-\@highpenalty}%
15967 \addvspace{2.25em \@plus\p@}%
15968 \setlength\@tempdima{3em}%
15969 \begingroup
15970 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15971 \parfillskip -\@pnumwidth
15972 {\leavevmode
15973 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15974 \nobreak
15975 \global\@nobreaktrue
15976 \everypar{\global\@nobreakfalse\everypar{}}%
15977 \endgroup
15978 \fi}
15979 \renewcommand*\l@chapter[2]{%
15980 \ifnum \c@tocdepth >\m@ne
15981 \addpenalty{-\@highpenalty}%
15982 \vskip 1.0em \@plus\p@
15983 \setlength\@tempdima{1.5em}%
15984 \begingroup
15985 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15986 \parfillskip -\@pnumwidth
15987 \leavevmode \bfseries
15988 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15989 \hskip -\if@RTL\rightskip\else\leftskip\fi
15990 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15991 \penalty\@highpenalty
15992 \endgroup
15993 \fi}
15994 \renewcommand\left@footnoterule{%
15995 \kern-3\p@
15996 \hrule\@width.4\columnwidth
15997 \kern2.6\p@}
15998 \renewcommand\right@footnoterule{%
15999 \kern-3\p@
16000 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16001 \kern2.6\p@}
16002 \renewcommand\theequation
16003 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16004 \renewcommand \thefigure
16005 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16006 \renewcommand \thetable
16007 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16008 \renewcommand \thechapter {\@arabic\c@chapter}
16009 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}

```



```

16010 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16011 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
16012 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16013 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16014 \def\@makechapterhead#1{%
16015 \vspace*{50\p@}%
16016 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16017 \ifnum \c@secnumdepth >\m@ne
16018 \huge\bfseries \@chapapp\space \thechapter
16019 \par\nobreak
16020 \vskip 20\p@
16021 \fi
16022 \interlinepenalty\@M
16023 \Huge \bfseries #1\par\nobreak
16024 \vskip 40\p@
16025 }}
16026 \def\@makeschapterhead#1{%
16027 \vspace*{50\p@}%
16028 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16029 \normalfont
16030 \interlinepenalty\@M
16031 \Huge \bfseries #1\par\nobreak
16032 \vskip 40\p@
16033 }}
16034 \renewenvironment{thebibliography}[1]
16035 {\chapter*{\bibname}%
16036 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16037 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16038 \bidi@thebibliography@font@hook%
16039 \list{\@biblabel{\@arabic\c@enumiv}}%
16040 {\settowidth\labelwidth{\@biblabel{#1}}%
16041 \leftmargin\labelwidth
16042 \advance\leftmargin\labelsep
16043 \@openbib@code
16044 \usecounter{enumiv}%
16045 \let\p@enumiv\@empty
16046 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16047 \sloppy
16048 \clubpenalty4000
16049 \@clubpenalty \clubpenalty
16050 \widowpenalty4000%
16051 \sfcode`\.\@m}
16052 {\def\@noitemerr
16053 {\@latex@warning{Empty `thebibliography' environment}}%
16054 \endlist}

```

7.100 rotating-xetex-bidi.def

```

16055 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
16056 \def\end@rotfloat{%

```



```

16057 \end{minipage}\end{lrbox}%
16058 \stepcounter{r@tfl@t}%
16059 \rot@label{RF\ther@tfl@t}%
16060 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16061 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16062 \rot@mess@toks\expandafter{\@tempa}
16063 \wd\rot@float@box\z@
16064 \ht\rot@float@box\z@
16065 \dp\rot@float@box\z@
16066 \vboxL to \textheight{%
16067 \setkeys{Grot}{units=360}%
16068 \if@rot@twoside
16069 \else
16070 \let\R@@page\rot@LR
16071 \fi
16072 \ifthenelse{\isodd{\R@@page}}{%
16073 \if@rot@twoside
16074 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16075 \fi
16076 \vfill
16077 \@@line{%
16078 \hskip\rotFPtop
16079 \rotatebox{90}{\box\rot@float@box}%
16080 \hskip\rotFPbot
16081 }%
16082 }{%
16083 \if@rot@twoside
16084 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16085 \fi
16086 \@@line{%
16087 \hskip\rotFPbot
16088 \rotatebox{-90}{\box\rot@float@box}%
16089 \hskip\rotFPtop
16090 }%
16091 \vfill
16092 }%
16093 \rot@message{\the\rot@mess@toks}
16094 }%
16095 \end@float
16096 }
16097 \let\endsidewaysfigure\end@rotfloat
16098 \let\endsidewaystable\end@rotfloat
16099 \def\end@rotdblfloat{%
16100 \end{minipage}\end{lrbox}%
16101 \stepcounter{r@tfl@t}%
16102 \rot@label{RF\ther@tfl@t}%
16103 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16104 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16105 \rot@mess@toks\expandafter{\@tempa}
16106 \@tempdima\ht\rot@float@box

```



```

16107 \advance\@tempdima by \dp\rot@float@box
16108 \wd\rot@float@box\z@
16109 \ht\rot@float@box\z@
16110 \dp\rot@float@box\z@
16111 \vboxL to \textheight{%
16112   \setkeys{Grot}{units=360}%
16113   \if@rot@twoside
16114   \else
16115     \let\R@@page\rot@LR
16116   \fi
16117   \ifthenelse{\isodd{\R@@page}}{%
16118     \ifrot@messages
16119     \if@rot@twoside
16120     \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16121 \fi
16122   \fi
16123   \vfill
16124   \@@line{%
16125     \hskip\rotFPtop
16126     \rotatebox{90}{\box\rot@float@box}%
16127     \hskip\rotFPbot
16128   }%
16129 }{%
16130   \ifrot@messages
16131   \if@rot@twoside
16132   \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16133 \fi
16134   \fi%
16135   \@@line{%
16136     \hskip\rotFPbot
16137     \rotatebox{-90}{\box\rot@float@box}%
16138     \hskip\rotFPtop
16139   }%
16140   \vfill
16141 }%
16142 \rot@message{\the\rot@mess@toks}%
16143 }%
16144 \end@dblfloat
16145 }
16146 \def\turn#1{%
16147   \Grot@setangle{#1}%
16148   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16149 \def\endturn{%
16150   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16151   \unskip\color@endbox
16152   \Grot@x\z@
16153   \Grot@y\z@
16154   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16155 }
16156 \def\rotate#1{%

```



```

16157 \Grot@setangle{#1}%
16158 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16159 \def\endrotate{%
16160 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16161 \unskip\color@endbox
16162 \Grot@x\z@
16163 \Grot@y\z@
16164 \wd0\z@\dp0\z@\ht0\z@
16165 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16166 }
16167 \def\turnbox#1#2{%
16168 \Grot@setangle{#1}%
16169 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
16170 \Grot@x\z@\Grot@y\z@
16171 \wd0\z@\dp0\z@\ht0\z@
16172 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16173 }
16174 \def\sideways{%
16175 \Grot@setangle{90}%
16176 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16177 \def\endsideways{%
16178 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16179 \unskip\color@endbox
16180 \Grot@x\z@
16181 \Grot@y\z@
16182 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16183 }

```

7.101 scrartcl-xetex-bidi.def

```

16184 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for]
16185 \newcommand{\scr@saved@LTRfootnotetext}{}
16186 \newcommand{\scr@saved@RTLfootnotetext}{}
16187 \let\scr@saved@footnotetext\@footnotetext
16188 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16189 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16190 \renewcommand{\@footnotetext}[1]{%
16191 \scr@saved@footnotetext{#1}%
16192 \csname FN@mf@prepare\endcsname
16193 }
16194 \renewcommand{\@LTRfootnotetext}[1]{%
16195 \scr@saved@LTRfootnotetext{#1}%
16196 \csname FN@mf@prepare\endcsname
16197 }
16198 \renewcommand{\@RTLfootnotetext}[1]{%
16199 \scr@saved@RTLfootnotetext{#1}%
16200 \csname FN@mf@prepare\endcsname
16201 }
16202 \renewcommand\deffootnote[4] []{%
16203 \long\def\@makefn#1{%

```



```

16204 \setlength{\@tempdimc}{#3}%
16205 \def\@tempa{#1}\ifx\@tempa\@empty
16206 \setpar{\@par
16207 \@tempdima = \hspace
16208 \addtolength{\@tempdima}{-#2}%
16209 \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16210 \else
16211 \addtolength{\@tempdimc}{#2}%
16212 \addtolength{\@tempdimc}{-#1}%
16213 \setpar{\@par
16214 \@tempdima = \hspace
16215 \addtolength{\@tempdima}{-#1}%
16216 \@tempdimb = \hspace
16217 \addtolength{\@tempdimb}{-#2}%
16218 \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
16219 }%
16220 \fi
16221 \par
16222 \parindent\@tempdimc\noindent
16223 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16224 }%
16225 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16226 }
16227 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16228 \renewcommand*\left@footnoterule{%
16229 \normalsize\ftn@rule@test@values
16230 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16231 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16232 {\usekomafont{footnoterule}{%
16233 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16234 \kern 2.6\p@}
16235 \renewcommand*\right@footnoterule{%
16236 \normalsize\ftn@rule@test@values
16237 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16238 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16239 {\usekomafont{footnoterule}{%
16240 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16241 \kern 2.6\p@}
16242 \renewcommand*\maketitle[1][1]{%
16243 \if@titlepage
16244 \begin{titlepage}
16245 \setcounter{page}{%
16246 #1%
16247 }%
16248 \let\footnotesize\small
16249 \let\right@footnoterule\relax
16250 \let\left@footnoterule\relax
16251 \let\textwidth@footnoterule\relax
16252 \let\footnote\thanks
16253 \let\LTRfootnote\LTRthanks

```



```

16254 \let\RTLfootnote\RTLthanks
16255 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16256 \let\@oldmakefnmark\@makefnmark
16257 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
16258 \ifx\@extratitle\@empty \else
16259 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16260 \thispagestyle{empty}%
16261 \fi
16262 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16263 \ifx\@titlehead\@empty \else
16264 \begin{minipage}[t]{\textwidth}%
16265 \@titlehead
16266 \end{minipage}\par
16267 \fi
16268 \null\vfill
16269 \begin{center}
16270 \ifx\@subject\@empty \else
16271 {\subject@font \@subject \par}%
16272 \vskip 3em
16273 \fi
16274 {\titlefont\huge \@title\par}%
16275 \vskip 1em
16276 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16277 \vskip 2em
16278 {\Large \lineskip 0.75em
16279 \begin{tabular}[t]{c}
16280 \@author
16281 \end{tabular}\par
16282 }%
16283 \vskip 1.5em
16284 {\Large \@date \par}%
16285 \vskip \z@ \@plus3fill
16286 {\Large \@publishers \par}%
16287 \vskip 3em
16288 \end{center}\par
16289 \@thanks
16290 \vfill\null
16291 \if@twoside\next@tpage
16292 \begin{minipage}[t]{\textwidth}
16293 \@uppertitleback
16294 \end{minipage}\par
16295 \vfill
16296 \begin{minipage}[b]{\textwidth}
16297 \@lowertitleback
16298 \end{minipage}
16299 \fi
16300 \ifx\@dedication\@empty \else
16301 \next@tpage\null\vfill
16302 {\centering \Large \@dedication \par}%
16303 \vskip \z@ \@plus3fill

```



```

16304         \if@twoside \next@tpage\cleardoubleemptypage \fi
16305     \fi
16306     \end{titlepage}
16307 \else
16308     \par
16309     \@tempcnta=%
16310     #1%
16311     \relax\ifnum\@tempcnta=1\else
16312         \ClassWarning{\KOMAClassName}{%
16313             Optional argument of \string\maketitle\space ignored
16314             at\MessageBreak
16315             notitlepage-mode%
16316         }%
16317     \fi
16318     \begingroup
16319         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16320         \let\@oldmakefnmark\@makefnmark
16321         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
16322         \if@twocolumn
16323             \ifnum \col@number=\@one
16324                 \@maketitle
16325             \else
16326                 \twocolumn[\@maketitle]%
16327             \fi
16328         \else
16329             \newpage
16330             \global\@topnum\z@
16331             \@maketitle
16332         \fi
16333         \thispagestyle{\titlepagestyle}\@thanks
16334     \endgroup
16335 \fi
16336 \setcounter{footnote}{0}%
16337 \let\thanks\relax
16338 \let\LTRthanks\relax
16339 \let\RTLthanks\relax
16340 \let\maketitle\relax
16341 \let\@maketitle\relax
16342 \global\let\@thanks\@empty
16343 \global\let\@author\@empty
16344 \global\let\@date\@empty
16345 \global\let\@title\@empty
16346 \global\let\@subtitle\@empty
16347 \global\let\@extratitle\@empty
16348 \global\let\@titlehead\@empty
16349 \global\let\@subject\@empty
16350 \global\let\@publishers\@empty
16351 \global\let\@uppertitleback\@empty
16352 \global\let\@lowertitleback\@empty
16353 \global\let\@dedication\@empty

```



```

16354 \global\let\author\relax
16355 \global\let\title\relax
16356 \global\let\extratitle\relax
16357 \global\let\titlehead\relax
16358 \global\let\subject\relax
16359 \global\let\publishers\relax
16360 \global\let\uppertitleback\relax
16361 \global\let\lowertitleback\relax
16362 \global\let\dedication\relax
16363 \global\let\date\relax
16364 \global\let\and\relax
16365 }%
16366 \renewcommand*{\@maketitle}{%
16367   \clearpage
16368   \let\footnote\thanks
16369   \let\LTRfootnote\LTRthanks
16370   \let\RTLfootnote\RTLthanks
16371   \ifx\@extratitle\@empty \else
16372     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16373   \fi
16374   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
16375   \ifx\@titlehead\@empty \else
16376     \begin{minipage}[t]{\textwidth}
16377       \@titlehead
16378     \end{minipage}\par
16379   \fi
16380   \null
16381   \vskip 2em%
16382   \begin{center}%
16383     \ifx\@subject\@empty \else
16384       {\subject@font \@subject \par}
16385       \vskip 1.5em
16386     \fi
16387     {\titlefont\huge \@title \par}%
16388     \vskip .5em
16389     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16390     \vskip 1em
16391     {\Large
16392       \lineskip .5em%
16393       \begin{tabular}[t]{c}
16394         \@author
16395       \end{tabular}\par
16396     }%
16397     \vskip 1em%
16398     {\Large \@date \par}%
16399     \vskip \z@ \@plus 1em
16400     {\Large \@publishers \par}
16401     \ifx\@dedication\@empty \else
16402       \vskip 2em
16403       {\Large \@dedication \par}

```



```

16404     \fi
16405   \end{center}}%
16406   \par
16407   \vskip 2em
16408 }%
16409 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16410 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
16411 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16412 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
16413 \renewcommand*\thesubsubsection{\%
16414   \thesubsection\@SepMark\@arabic\c@subsubsection
16415 }
16416 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16417 \renewcommand*\thesubparagraph{\%
16418   \theparagraph\@SepMark\@arabic\c@subparagraph
16419 }
16420 \renewenvironment{thebibliography}[1]{%
16421   \if@bib@break@
16422     \bib@beginhook
16423   \else
16424     \bib@heading
16425     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16426       \noindent\bibpreamble\par\nobreak
16427     \fi\fi
16428     \bib@beginhook
16429     \bib@before@hook
16430   \fi
16431   \renewcommand{\BreakBibliography}[1]{%
16432     \@bib@break
16433     \end{thebibliography}%
16434     \begingroup ##1\endgroup
16435     \begin{thebibliography}{#1}
16436   }%
16437   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16438   \bidi@thebibliography@font@hook%
16439   \list{%
16440     \@biblabel{\@arabic\c@enumiv}%
16441   }{%
16442     \settowidth\labelwidth{\@biblabel{#1}}%
16443     \leftmargin\labelwidth
16444     \advance\leftmargin\labelsep
16445     \@openbib@code
16446     \if@bib@break@
16447       \edef\@tempa{%
16448         \noexpand\usecounter{enumiv}%
16449         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16450       }\@tempa
16451       \no@bib@break
16452     \else
16453       \usecounter{enumiv}%

```



```

16454 \fi
16455 \let\p@enumiv\@empty
16456 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16457 }%
16458 \sloppy\clubpenalty4000 \widowpenalty4000
16459 \sfcode`\.=\@m
16460 }{%
16461 \if@bib@break@
16462 \def\@noitemerr{%
16463 \latex@warning{%
16464 \string\BreakBibliography\space at begin of `thebibliography'
16465 environment\MessageBreak
16466 or following \string\BreakBibliography}%
16467 }%
16468 \else
16469 \def\@noitemerr{%
16470 \latex@warning{%
16471 Empty `thebibliography' environment or
16472 \string\BreakBibliography\MessageBreak
16473 before end of `thebibliography' environment}%
16474 }%
16475 \fi
16476 \endlist
16477 \if@bib@break@
16478 \else
16479 \bib@after@hook
16480 \let\bib@before@hook\@empty
16481 \let\bib@after@hook\@empty
16482 \fi
16483 \bib@endhook
16484 }
16485 \renewcommand*\left@footnoterule{%
16486 \kern-3\p@
16487 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16488 \hrule\@width.4\columnwidth
16489 \kern 2.6\p@}
16490 \renewcommand*\right@footnoterule{%
16491 \kern-3\p@
16492 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16493 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16494 \kern2.6\p@}
16495 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
16496 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
16497 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
16498 \renewcommand\marginline[1]{%
16499 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16500 }
16501 \renewcommand{\@makecaption}[3]{%
16502 \cap@margin
16503 \ifonelinecaptions

```



```

16504 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16505 \let\scr@tmp@footnotetext=\@footnotetext
16506 \let\@footnotetext=\@gobble
16507 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16508 \let\@LTRfootnotetext=\@gobble
16509 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16510 \let\@RTLfootnotetext=\@gobble
16511 \sbox\@tempboxa{%
16512   {\capfont{\strut\ignorespaces
16513     #1{\caplabelfont{#2\captionformat}}}%
16514     #3\unskip\strut}}%
16515 }%
16516 \let\@footnotetext=\scr@tmp@footnotetext
16517 \let\scr@tmp@footnotetext=undefined
16518 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16519 \let\scr@tmp@LTRfootnotetext=undefined
16520 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16521 \let\scr@tmp@RTLfootnotetext=undefined
16522 \setcounter{footnote}{\@tempcntb}%
16523 \setcounter{mpfootnote}{\@tempcnta}%
16524 \else
16525   \sbox\@tempboxa{\hspace*{2\cap@width}}%
16526 \fi
16527 \begingroup%
16528   \setlength{\@tempdima}{\cap@width}%
16529   \ifdim \wd\@tempboxa >\@tempdima
16530     \hb@xt@\hsize{%
16531       \setbox\@tempboxa\vbox{\hsize=\cap@width
16532         \ifdofullc@p
16533           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16534             #1{\caplabelfont{#2\captionformat}}}%
16535             #3\unskip\strut\par}}}%
16536         \else%
16537           \ifdim\cap@indent<\z@
16538             {\capfont{\strut\ignorespaces
16539               #1{\caplabelfont{#2\captionformat\par}}}%
16540               \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
16541             \else%
16542               \if@capbreak
16543                 {\capfont{\strut\ignorespaces
16544                   #1{\caplabelfont{#2\captionformat\par}}}%
16545                   \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16546                 \else
16547                   {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
16548                     {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16549                       {\caplabelfont{#2\captionformat}}}{#3\unskip\strut\par}}}%
16550                   \fi
16551                 \fi
16552             \fi
16553   }%

```



```

16554         \setlength{\@tempdima}{\ht\@tempboxa}%
16555         \addtolength{\@tempdima}{\dp\@tempboxa}%
16556         \addtolength{\@tempdima}{-\ht\strutbox}%
16557         \ht\@tempboxa\ht\strutbox
16558         \dp\@tempboxa\@tempdima
16559         \strut\cap@left
16560         \box\@tempboxa
16561         \cap@right\strut
16562     }%
16563 \else
16564     \global \@minipagefalse
16565     \sbox\@tempboxa{%
16566         {\capfont{\scr@smashdp{\strut\ignorespaces
16567             #1{\caplabelfont{#2\captionformat}}}}}%
16568         #3}}%
16569     }%
16570     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\c
16571 \fi
16572 \endgroup
16573 }
16574 \renewcommand{\@makecaption}[2]{%
16575     \if@captionabove
16576         \vskip\belowcaptionskip
16577     \else
16578         \vskip\abovecaptionskip
16579     \fi
16580     \@@makecaption\@firstofone{#1}{#2}%
16581     \if@captionabove
16582         \vskip\abovecaptionskip
16583     \else
16584         \vskip\belowcaptionskip
16585     \fi
16586 }
16587 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16588     \@ifpackageloaded{caption2}{\@komalongtablefalse
16589         \scr@caption@before@longtable@warning{caption2}%
16590     }{}%
16591     \if@komalongtable
16592         \renewcommand{\LT@makecaption}[3]{%
16593             \noalign{%
16594                 \if@captionabove
16595                     \vskip\belowcaptionskip
16596                 \else
16597                     \vskip\abovecaptionskip
16598                 \fi
16599             }%
16600             \LT@mcol\LT@cols c{%
16601                 \hbox to\z@{\hss\parbox[t]{linewidth{%
16602                     \@@makecaption{#1}{#2}{#3}%
16603                 }\endgraf

```



```

16604         \if@captionabove
16605             \vskip\abovecaptionskip
16606         \else
16607             \vskip\belowcaptionskip
16608         \fi
16609     }%
16610     \hss
16611 }%
16612 }%
16613 }%
16614 \renewcommand*{\scr@LT@array}{}%
16615 \let\scr@LT@array=\LT@array
16616 \renewcommand*{\LT@array}{%
16617     \let\scr@caption=\LT@caption
16618     \def\captionabove{\noalign{\global\@captionabovetrue}%
16619         \scr@caption}%
16620     \def\captionbelow{\noalign{\global\@captionabovetrue}%
16621         \scr@caption}%
16622     \if@tablecaptionabove
16623         \let\LT@caption=\captionabove
16624     \else
16625         \let\LT@caption=\captionbelow
16626     \fi
16627     \scr@LT@array
16628 }%
16629 \ClassInfo{\KOMAClassName}{%
16630     longtable captions redefined%
16631 }%
16632 \fi
16633 }
16634
16635 \CloneTOCEntryStyle{tocline}{part}
16636 \TOCEntryStyleStartInitCode{part}{%
16637     \expandafter\renewcommand%
16638     \csname scr@tso@#1@linefill\endcsname{\hfill}%
16639     \expandafter\renewcommand%
16640     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
16641     \expandafter\renewcommand%
16642     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16643         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
16644     \expandafter\renewcommand\expandafter*%
16645     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
16646 }
16647
16648 \CloneTOCEntryStyle{tocline}{section}
16649 \TOCEntryStyleStartInitCode{section}{%
16650     \expandafter\renewcommand%
16651     \csname scr@tso@#1@linefill\endcsname{%
16652         \if@sectionentrywithdots
16653             \TOCLineLeaderFill\relax

```



```

16654 \else
16655 \hfill
16656 \fi
16657 }%
16658 % F^fcr die Eintr^e4ge die Schrift von Element sectionentry verwenden.
16659 \expandafter\renewcommand%
16660 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
16661 \expandafter\renewcommand%
16662 \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{se
16663 \expandafter\renewcommand\expandafter*%
16664 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
16665 }
16666
16667 \CloneTOCEntryStyle{tocline}{subsection}
16668 \TOCEntryStyleStartInitCode{subsection}{%
16669 \expandafter\renewcommand%
16670 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
16671 }
16672
16673 \CloneTOCEntryStyle{subsection}{default}
16674
16675 \DeclareSectionCommand[%
16676 style=part,%
16677 level=\z@,%
16678 tocstyle=part,%
16679 toclevel=\m@ne,%
16680 tocindent=\z@,%
16681 tocnumwidth=2em%
16682 ]{part}
16683 \DeclareSectionCommand[%
16684 style=section,%
16685 level=1,%
16686 indent=\z@,%
16687 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
16688 afterskip=2.3ex \@plus .2ex,%
16689 tocstyle=section,%
16690 tocindent=0pt,%
16691 tocnumwidth=1.5em%
16692 ]{section}
16693 \DeclareSectionCommand[%
16694 style=section,%
16695 level=2,%
16696 indent=\z@,%
16697 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
16698 afterskip=1.5ex \@plus .2ex,%
16699 tocstyle=subsection,%
16700 tocindent=1.5em,%
16701 tocnumwidth=2.3em%
16702 ]{subsection}
16703 \DeclareSectionCommand[%

```



```

16704 style=section,%
16705 level=3,%
16706 indent=\z@,%
16707 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
16708 afterskip=1.5ex \@plus .2ex,%
16709 tocstyle=subsection,%
16710 tocindent=3.8em,%
16711 tocnumwidth=3.2em%
16712 ]{subsubsection}
16713 \DeclareSectionCommand[%
16714 style=section,%
16715 level=4,%
16716 indent=\z@,%
16717 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
16718 afterskip=-1em,%
16719 tocstyle=subsection,%
16720 tocindent=7.0em,%
16721 tocnumwidth=4.1em%
16722 ]{paragraph}
16723 \DeclareSectionCommand[%
16724 style=section,%
16725 level=5,%
16726 indent=\scr@parindent,%
16727 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
16728 afterskip=-1em,%
16729 tocstyle=subsection,%
16730 tocindent=10em,%
16731 tocnumwidth=5em%
16732 ]{subparagraph}

```

7.102 scrbook-xetex-bidi.def

```

16733 \ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for ]
16734 \newcommand{\scr@saved@LTRfootnotetext}{}
16735 \newcommand{\scr@saved@RTLfootnotetext}{}
16736 \let\scr@saved@footnotetext\@footnotetext
16737 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16738 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16739 \renewcommand{\@footnotetext}[1]{%
16740 \scr@saved@footnotetext{#1}%
16741 \csname FN@mf@prepare\endcsname
16742 }
16743 \renewcommand{\@LTRfootnotetext}[1]{%
16744 \scr@saved@LTRfootnotetext{#1}%
16745 \csname FN@mf@prepare\endcsname
16746 }
16747 \renewcommand{\@RTLfootnotetext}[1]{%
16748 \scr@saved@RTLfootnotetext{#1}%
16749 \csname FN@mf@prepare\endcsname
16750 }

```



```

16751 \renewcommand\deffootnote[4] [] {%
16752   \long\def\@makefnmark##1{%
16753     \setlength{\@tempdimc}{#3}%
16754     \def\@tempa{#1}\ifx\@tempa\@empty
16755       \setpar{\@par
16756         \@tempdima = \hsize
16757         \addtolength{\@tempdima}{-#2}%
16758         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16759       \else
16760         \addtolength{\@tempdimc}{#2}%
16761         \addtolength{\@tempdimc}{-#1}%
16762         \setpar{\@par
16763           \@tempdima = \hsize
16764           \addtolength{\@tempdima}{-#1}%
16765           \@tempdimb = \hsize
16766           \addtolength{\@tempdimb}{-#2}%
16767           \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
16768         }%
16769       \fi
16770     \par
16771     \parindent\@tempdimc\noindent
16772     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16773   }%
16774   \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16775 }
16776 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16777 \renewcommand*\left@footnoterule{%
16778   \normalsize\ftn@rule@test@values
16779   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16780   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16781   {\usekomafont{footnoterule}{%
16782     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16783   \kern 2.6\p@}
16784 \renewcommand*\right@footnoterule{%
16785   \normalsize\ftn@rule@test@values
16786   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16787   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16788   {\usekomafont{footnoterule}{%
16789     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16790     \kern 2.6\p@}
16791 \renewcommand*\maketitle[1] [1] {%
16792   \if@titlepage
16793     \begin{titlepage}
16794       \setcounter{page}{%
16795         #1%
16796       }%
16797       \let\footnotesize\small
16798       \let\right@footnoterule\relax
16799       \let\left@footnoterule\relax
16800       \let\textwidth\footnoterule\relax

```



```

16801 \let\footnote\thanks
16802 \let\LTRfootnote\LTRthanks
16803 \let\RTLfootnote\RTLthanks
16804 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16805 \let\@oldmakefnmark\@makefnmark
16806 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
16807 \ifx\@extratitle\@empty \else
16808 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16809 \thispagestyle{empty}%
16810 \fi
16811 \setparsizes{z@}{z@}{z@\@plus 1fil}\par@updaterelative
16812 \ifx\@titlehead\@empty \else
16813 \begin{minipage}[t]{\textwidth}%
16814 \@titlehead
16815 \end{minipage}\par
16816 \fi
16817 \null\vfill
16818 \begin{center}
16819 \ifx\@subject\@empty \else
16820 {\subject@font \@subject \par}%
16821 \vskip 3em
16822 \fi
16823 {\titlefont\huge \@title\par}%
16824 \vskip 1em
16825 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16826 \vskip 2em
16827 {\Large \lineskip 0.75em
16828 \begin{tabular}[t]{c}
16829 \@author
16830 \end{tabular}\par
16831 }%
16832 \vskip 1.5em
16833 {\Large \@date \par}%
16834 \vskip \z@\@plus3fill
16835 {\Large \@publishers \par}%
16836 \vskip 3em
16837 \end{center}\par
16838 \@thanks
16839 \vfill\null
16840 \if@twoside\next@tpage
16841 \begin{minipage}[t]{\textwidth}
16842 \@uppertitleback
16843 \end{minipage}\par
16844 \vfill
16845 \begin{minipage}[b]{\textwidth}
16846 \@lowertitleback
16847 \end{minipage}
16848 \fi
16849 \ifx\@dedication\@empty \else
16850 \next@tpage\null\vfill

```



```

16851         {\centering \Large \@dedication \par}%
16852         \vskip \z@ \@plus3fill
16853         \if@twoside \next@tpage\cleardoubleemptypage \fi
16854     \fi
16855     \end{titlepage}
16856 \else
16857     \par
16858     \@tempcnta=%
16859     #1%
16860     \relax\ifnum\@tempcnta=1\else
16861         \ClassWarning{\KOMAClassName}{%
16862             Optional argument of \string\maketitle\space ignored
16863             at\MessageBreak
16864             notitlepage-mode%
16865         }%
16866     \fi
16867     \begingroup
16868         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16869         \let\@oldmakefnmark\@makefnmark
16870         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
16871         \if@twocolumn
16872             \ifnum \col@number=\@ne
16873                 \@maketitle
16874             \else
16875                 \twocolumn[\@maketitle]%
16876             \fi
16877         \else
16878             \newpage
16879             \global\@topnum\z@
16880             \@maketitle
16881         \fi
16882         \thispagestyle{\titlepagestyle}\@thanks
16883     \endgroup
16884 \fi
16885 \setcounter{footnote}{0}%
16886 \let\thanks\relax
16887 \let\LTRthanks\relax
16888 \let\RTLthanks\relax
16889 \let\maketitle\relax
16890 \let\@maketitle\relax
16891 \global\let\@thanks\@empty
16892 \global\let\@author\@empty
16893 \global\let\@date\@empty
16894 \global\let\@title\@empty
16895 \global\let\@subtitle\@empty
16896 \global\let\@extratitle\@empty
16897 \global\let\@titlehead\@empty
16898 \global\let\@subject\@empty
16899 \global\let\@publishers\@empty
16900 \global\let\@uppertitleback\@empty

```



```

16901 \global\let\@lowertitleback\@empty
16902 \global\let\@dedication\@empty
16903 \global\let\author\relax
16904 \global\let\title\relax
16905 \global\let\extratitle\relax
16906 \global\let\titlehead\relax
16907 \global\let\subject\relax
16908 \global\let\publishers\relax
16909 \global\let\uppertitleback\relax
16910 \global\let\lowertitleback\relax
16911 \global\let\dedication\relax
16912 \global\let\date\relax
16913 \global\let\and\relax
16914 }%
16915 \renewcommand*{\@maketitle}{%
16916 \clearpage
16917 \let\footnote\thanks
16918 \let\LTRfootnote\LTRthanks
16919 \let\RTLfootnote\RTLthanks
16920 \ifx\@extratitle\@empty \else
16921 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16922 \fi
16923 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16924 \ifx\@titlehead\@empty \else
16925 \begin{minipage}[t]{\textwidth}
16926 \@titlehead
16927 \end{minipage}\par
16928 \fi
16929 \null
16930 \vskip 2em%
16931 \begin{center}%
16932 \ifx\@subject\@empty \else
16933 {\subject@font \@subject \par}
16934 \vskip 1.5em
16935 \fi
16936 {\titlefont\huge \@title \par}%
16937 \vskip .5em
16938 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16939 \vskip 1em
16940 {\Large
16941 \lineskip .5em%
16942 \begin{tabular}[t]{c}
16943 \@author
16944 \end{tabular}\par
16945 }%
16946 \vskip 1em%
16947 {\Large \@date \par}%
16948 \vskip \z@ \@plus 1em
16949 {\Large \@publishers \par}
16950 \ifx\@dedication\@empty \else

```



```

16951      \vskip 2em
16952      {\Large \@dedication \par}
16953      \fi
16954 \end{center}%
16955 \par
16956 \vskip 2em
16957 }%
16958 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16959 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16960 \renewcommand*\thesection{%
16961   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16962     \if@mainmatter\thechapter\@SepMark\fi
16963   \else
16964     \thechapter\@SepMark%
16965   \fi
16966   \@arabic\c@section
16967 }
16968 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
16969 \renewcommand*{\thesubsubsection}{%
16970   \thesubsection\@SepMark\@arabic\c@subsubsection
16971 }
16972 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16973 \renewcommand*{\thesubparagraph}{%
16974   \theparagraph\@SepMark\@arabic\c@subparagraph
16975 }
16976 \renewcommand*\thefigure{%
16977   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16978     \if@mainmatter\thechapter\@SepMark\fi
16979   \else
16980     \thechapter\@SepMark%
16981   \fi
16982   \@arabic\c@figure
16983 }
16984 \renewcommand*\thetable{%
16985   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16986     \if@mainmatter\thechapter\@SepMark\fi
16987   \else
16988     \thechapter\@SepMark%
16989   \fi
16990   \@arabic\c@table
16991 }
16992 \renewcommand*\theequation{%
16993   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16994     \if@mainmatter\thechapter\@SepMark\fi
16995   \else
16996     \thechapter\@SepMark%
16997   \fi
16998   \@arabic\c@equation
16999 }
17000 \renewenvironment{thebibliography}[1]{%

```



```

17001 \if@bib@break@
17002 \bib@beginhook
17003 \else
17004 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17005 \setchapterpreamble{\bibpreamble}%
17006 \fi\fi
17007 \bib@heading
17008 \bib@beginhook
17009 \bib@before@hook
17010 \fi
17011 \renewcommand{\BreakBibliography}[1]{%
17012 \@bib@break
17013 \end{thebibliography}%
17014 \begingroup ##1\endgroup
17015 \begin{thebibliography}{#1}
17016 }%
17017 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17018 \bidi@thebibliography@font@hook%
17019 \list{%
17020 \@biblabel{\@arabic\c@enumiv}%
17021 }{%
17022 \settowidth\labelwidth{\@biblabel{#1}}%
17023 \leftmargin\labelwidth
17024 \advance\leftmargin\labelsep
17025 \@openbib@code
17026 \if@bib@break@
17027 \edef\@tempa{%
17028 \noexpand\usecounter{enumiv}%
17029 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17030 }\@tempa
17031 \no@bib@break
17032 \else
17033 \usecounter{enumiv}%
17034 \fi
17035 \let\p@enumiv\@empty
17036 \renewcommand*{\theenumiv}{\@arabic\c@enumiv}%
17037 }%
17038 \sloppy\clubpenalty4000 \widowpenalty4000
17039 \sfcode`\.=\@m
17040 }{%
17041 \if@bib@break@
17042 \def\@noitemerr{%
17043 \@latex@warning{%
17044 \string\BreakBibliography\space at begin of `thebibliography'
17045 environment\MessageBreak
17046 or following \string\BreakBibliography}%
17047 }%
17048 \else
17049 \def\@noitemerr{%
17050 \@latex@warning{%

```



```

17051      Empty `thebibliography' environment or
17052      \string\BreakBibliography\MessageBreak
17053      before end of `thebibliography' environment}%
17054  }%
17055  \fi
17056  \endlist
17057  \if@bib@break@
17058  \else
17059    \bib@after@hook
17060    \let\bib@before@hook\@empty
17061    \let\bib@after@hook\@empty
17062  \fi
17063  \bib@endhook
17064 }
17065 \renewcommand*\left@footnoterule{%
17066   \kern-3\p@
17067   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17068   \hrule\@width.4\columnwidth
17069   \kern 2.6\p@}
17070 \renewcommand*\right@footnoterule{%
17071   \kern-3\p@
17072   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17073   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17074   \kern2.6\p@}
17075 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17076 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17077 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17078 \renewcommand\marginline[1]{%
17079   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17080 }
17081 \renewcommand{\@makecaption}[3]{%
17082   \cap@margin
17083   \ifonelinecaptions
17084     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17085     \let\scr@tmp@footnotetext=\@footnotetext
17086     \let\@footnotetext=\@gobble
17087     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17088     \let\@LTRfootnotetext=\@gobble
17089     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17090     \let\@RTLfootnotetext=\@gobble
17091     \sbox\@tempboxa{%
17092       {\capfont{\strut\ignorespaces
17093         #1{\caplabelfont{#2\captionformat}}}%
17094         #3\unskip\strut}}%
17095     }%
17096     \let\@footnotetext=\scr@tmp@footnotetext
17097     \let\scr@tmp@footnotetext=\undefined
17098     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17099     \let\scr@tmp@LTRfootnotetext=\undefined
17100     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext

```



```

17101 \let\scr@tmp@RTLfootnotetext=\undefined
17102 \setcounter{footnote}{\@tempcntb}%
17103 \setcounter{mpfootnote}{\@tempcnta}%
17104 \else
17105 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17106 \fi
17107 \begingroup%
17108 \setlength{\@tempdima}{\cap@width}%
17109 \ifdim \wd\@tempboxa >\@tempdima
17110 \hb@xt@\hsize{%
17111 \setbox\@tempboxa\vbox{\hsize=\cap@width
17112 \ifdoofullc@p
17113 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17114 #1{\caplabelfont{#2\captionformat}}}}}%
17115 {\#3\unskip\strut\par}}}%
17116 \else%
17117 \ifdim\cap@indent<\z@
17118 {\capfont{\strut\ignorespaces
17119 #1{\caplabelfont{#2\captionformat\par}}}%
17120 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
17121 \else%
17122 \if@capbreak
17123 {\capfont{\strut\ignorespaces
17124 #1{\caplabelfont{#2\captionformat\par}}}%
17125 \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
17126 \else
17127 {\capfont{\@hangfrom{\scr@smashdp{\strut\hspace*{\cap@indent}}}%
17128 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17129 {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
17130 \fi
17131 \fi
17132 \fi
17133 }%
17134 \setlength{\@tempdima}{\ht\@tempboxa}%
17135 \addtolength{\@tempdima}{\dp\@tempboxa}%
17136 \addtolength{\@tempdima}{-\ht\strutbox}%
17137 \ht\@tempboxa\ht\strutbox
17138 \dp\@tempboxa\@tempdima
17139 \strut\cap@left
17140 \box\@tempboxa
17141 \cap@right\strut
17142 }%
17143 \else
17144 \global \@minipagefalse
17145 \sbox\@tempboxa{%
17146 {\capfont{\scr@smashdp{\strut\ignorespaces
17147 #1{\caplabelfont{#2\captionformat}}}}}%
17148 #3}%
17149 }%
17150 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\c

```



```

17151 \fi
17152 \endgroup
17153 }
17154 \renewcommand{\@makecaption}[2]{%
17155 \if@captionabove
17156 \vskip\belowcaptionskip
17157 \else
17158 \vskip\abovecaptionskip
17159 \fi
17160 \@makecaption\@firstofone{#1}{#2}%
17161 \if@captionabove
17162 \vskip\abovecaptionskip
17163 \else
17164 \vskip\belowcaptionskip
17165 \fi
17166 }
17167 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17168 \@ifpackageloaded{caption2}{\@komalongtablefalse
17169 \scr@caption@before@longtable@warning{caption2}%
17170 }{}%
17171 \if@komalongtable
17172 \renewcommand{\LT@makecaption}[3]{%
17173 \noalign{%
17174 \if@captionabove
17175 \vskip\belowcaptionskip
17176 \else
17177 \vskip\abovecaptionskip
17178 \fi
17179 }%
17180 \LT@mcol\LT@cols c{%
17181 \hbox to\z@{\hss\parbox[t]{linewidth{%
17182 \@makecaption{#1}{#2}{#3}%
17183 \endgraf
17184 \if@captionabove
17185 \vskip\abovecaptionskip
17186 \else
17187 \vskip\belowcaptionskip
17188 \fi
17189 }%
17190 \hss
17191 }%
17192 }%
17193 }%
17194 \renewcommand*\scr@LT@array}{}%
17195 \let\scr@LT@array=\LT@array
17196 \renewcommand*\scr@LT@array}{%
17197 \let\scr@caption=\LT@caption
17198 \def\captionabove{\noalign{\global\@captionabovetrue}%
17199 \scr@caption}%
17200 \def\captionbelow{\noalign{\global\@captionabovetrue}%

```



```

17201         \scr@caption}%
17202     \if@tablecaptionabove
17203         \let\LT@caption=\captionabove
17204     \else
17205         \let\LT@caption=\captionbelow
17206     \fi
17207     \scr@LT@array
17208 }%
17209 \ClassInfo{\KOMAClassName}{%
17210     longtable captions redefined%
17211 }%
17212 \fi
17213 }
17214
17215 \CloneTOCEntryStyle{tocline}{part}
17216 \TOCEntryStyleStartInitCode{part}{%
17217     \expandafter\renewcommand%
17218     \csname scr@tso@#1@linefill\endcsname{\hfill}%
17219     \expandafter\renewcommand%
17220     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17221     \expandafter\renewcommand%
17222     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17223         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17224     \expandafter\renewcommand\expandafter*%
17225     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17226 }
17227
17228 \CloneTOCEntryStyle{tocline}{chapter}
17229 \TOCEntryStyleStartInitCode{chapter}{%
17230     \expandafter\renewcommand%
17231     \csname scr@tso@#1@linefill\endcsname{%
17232         \if@chapterentrywithdots
17233             \TOCLineLeaderFill\relax
17234         \else
17235             \hfill
17236         \fi
17237     }%
17238     \expandafter\renewcommand%
17239     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17240     \expandafter\renewcommand%
17241     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17242         \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17243     \expandafter\renewcommand\expandafter*%
17244     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17245 }
17246
17247 \CloneTOCEntryStyle{tocline}{section}
17248 \TOCEntryStyleStartInitCode{section}{%
17249     \expandafter\renewcommand%
17250     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%

```



```

17251 }
17252
17253 \CloneTOCEntryStyle{section}{default}
17254
17255 \DeclareSectionCommand[%
17256   style=part,%
17257   level=\m@ne,%
17258   pagestyle=plain,%
17259   tocstyle=part,%
17260   toplevel=\m@ne,%
17261   tocindent=\z@,%
17262   tocnumwidth=2em%
17263 ]{part}
17264 \DeclareSectionCommand[%
17265   style=chapter,%
17266   level=\z@,%
17267   pagestyle=plain,%
17268   tocstyle=chapter,%
17269   tocindent=\z@,%
17270   tocnumwidth=1.5em%
17271 ]{chapter}
17272 \DeclareSectionCommand[%
17273   style=section,%
17274   level=1,%
17275   indent=\z@,%
17276   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17277   afterskip=2.3ex \@plus .2ex,%
17278   tocstyle=section,%
17279   tocindent=1.5em,%
17280   tocnumwidth=2.3em%
17281 ]{section}
17282 \DeclareSectionCommand[%
17283   style=section,%
17284   level=2,%
17285   indent=\z@,%
17286   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17287   afterskip=1.5ex \@plus .2ex,%
17288   tocstyle=section,%
17289   tocindent=3.8em,%
17290   tocnumwidth=3.2em%
17291 ]{subsection}
17292 \DeclareSectionCommand[%
17293   style=section,%
17294   level=3,%
17295   indent=\z@,%
17296   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17297   afterskip=1.5ex \@plus .2ex,%
17298   tocstyle=section,%
17299   tocindent=7.0em,%
17300   tocnumwidth=4.1em%

```



```

17301 ]{subsubsection}
17302 \DeclareSectionCommand[%
17303   style=section,%
17304   level=4,%
17305   indent=\z@,%
17306   beforekip=3.25ex \@plus1ex \@minus.2ex,%
17307   afterskip=-1em,%
17308   tocstyle=section,%
17309   tocindent=10em,%
17310   tocnumwidth=5em%
17311 ]{paragraph}
17312 \DeclareSectionCommand[%
17313   style=section,%
17314   level=5,%
17315   indent=\scr@parindent,%
17316   beforekip=3.25ex \@plus1ex \@minus.2ex,%
17317   afterskip=-1em,%
17318   tocstyle=section,%
17319   tocindent=12em,%
17320   tocnumwidth=6em%
17321 ]{subparagraph}
17322
17323

```

7.103 scrlettr-xetex-bidi.def

```

17324 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for
17325 \renewcommand\deffootnote[4][ ]{%
17326   \long\def\@makefnmark##1{%
17327     \edef\@tempa{##1}\ifx\@tempa\@empty
17328       \setpar{\@par
17329         \@tempdima = \hsize
17330         \addtolength{\@tempdima}{-#2}
17331         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17332     \else
17333       \setpar{\@par
17334         \@tempdima = \hsize
17335         \addtolength{\@tempdima}{-#1}
17336         \@tempdimb = \hsize
17337         \addtolength{\@tempdimb}{-#2}
17338         \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
17339       \fi
17340       \par
17341       \parindent #3\noindent
17342       \hbox to \z@{\hss\@makefnmark}##1}
17343   \def\@makefnmark{\hbox{#4}}
17344 }
17345 \deffootnote[1em]{1.5em}{1em}
17346 {\textsuperscript{\thefootnotemark}}
17347 \def\left@footnoterule{\kern-1\p@

```



```

17348 \hrule width 0.4\columnwidth
17349 \kern .6\p@}
17350 \def\right@footnoterule{%
17351   \kern-1\p@
17352   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17353   \kern .6\p@}
17354 \def\@datefield{\@reffalse
17355   \ifx\varyourref\@empty \else \@reftrue \fi
17356   \ifx\varyourmail\@empty \else \@reftrue \fi
17357   \ifx\varmyref\@empty \else \@reftrue \fi
17358   \ifx\varcustomer\@empty \else \@reftrue \fi
17359   \ifx\varinvoice\@empty \else \@reftrue \fi
17360   \ifx\varrefitemi\@empty \else \@reftrue \fi
17361   \ifx\varrefitemii\@empty \else \@reftrue \fi
17362   \ifx\varrefitemiii\@empty \else \@reftrue \fi
17363   \vskip -\parskip
17364   \vskip \refvskip
17365   \if@ref
17366     \ifx\varyourref\@empty \else
17367       \settowidth{\sc@temp}{\varyourref}
17368       \setbox0\hbox{\scriptsize \sf \yourrefname}
17369       \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17370       \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
17371     \fi
17372     \ifx\varyourmail\@empty \else
17373       \settowidth{\sc@temp}{\varyourmail}
17374       \setbox0\hbox{\scriptsize \sf \yourmailname}
17375       \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17376       \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
17377     \fi
17378     \ifx\varmyref\@empty \else
17379       \settowidth{\sc@temp}{\varmyref}
17380       \setbox0\hbox{\scriptsize \sf \myrefname}
17381       \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17382       \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
17383     \fi
17384     \ifx\varcustomer\@empty \else
17385       \settowidth{\sc@temp}{\varcustomer}
17386       \setbox0\hbox{\scriptsize \sf \customername}
17387       \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17388       \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
17389     \fi
17390     \ifx\varinvoice\@empty \else
17391       \settowidth{\sc@temp}{\varinvoice}
17392       \setbox0\hbox{\scriptsize \sf \invoicename}
17393       \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17394       \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
17395     \fi
17396     \ifx\varrefitemi\@empty \else
17397       \settowidth{\sc@temp}{\varrefitemi}

```



```

17398 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
17399 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17400 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
17401 \fi
17402 \ifx\varrefitemii\@empty \else
17403 \settowidth{\sc@temp}{\varrefitemii}
17404 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
17405 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17406 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
17407 \fi
17408 \ifx\varrefitemiii\@empty \else
17409 \settowidth{\sc@temp}{\varrefitemiii}
17410 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
17411 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17412 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
17413 \fi
17414 \ifx\@date\@empty \else
17415 \settowidth{\sc@temp}{\@date}
17416 \setbox0\hbox{\scriptsize \sf \datename}
17417 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17418 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
17419 \fi
17420 \par
17421 \vspace{2.5\baselineskip}
17422 \else
17423 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
17424 \vspace{1.5\baselineskip}
17425 \fi}
17426 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
17427 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
17428 -\sigindent \hspace{\sigindent}}%
17429 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}\\[\presig@sk
17430 \fromsig\strut]\par
17431 \vspace{1.5\baselineskip}}

```

7.104 scrreprt-xetex-bidi.def

```

17432 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class fo
17433 \newcommand{\scr@saved@LTRfootnotetext}{}
17434 \newcommand{\scr@saved@RTLfootnotetext}{}
17435 \let\scr@saved@footnotetext\@footnotetext
17436 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17437 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17438 \renewcommand{\@footnotetext}[1]{%
17439 \scr@saved@footnotetext{#1}%
17440 \csname FN@mf@prepare\endcsname
17441 }
17442 \renewcommand{\@LTRfootnotetext}[1]{%
17443 \scr@saved@LTRfootnotetext{#1}%
17444 \csname FN@mf@prepare\endcsname

```



```

17445 }
17446 \renewcommand{\@RTLfootnotetext}[1]{%
17447   \scr@saved@RTLfootnotetext{#1}%
17448   \csname FN@mf@prepare\endcsname
17449 }
17450 \renewcommand\deffootnote[4][1]{%
17451   \long\def\@makefnmark##1{%
17452     \setlength{\@tempdimc}{#3}%
17453     \def\@tempa{#1}\ifx\@tempa\@empty
17454       \setpar{\@par
17455         \@tempdima = \hsize
17456         \addtolength{\@tempdima}{-#2}%
17457         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17458       \else
17459         \addtolength{\@tempdimc}{#2}%
17460         \addtolength{\@tempdimc}{-#1}%
17461         \setpar{\@par
17462           \@tempdima = \hsize
17463           \addtolength{\@tempdima}{-#1}%
17464           \@tempdimb = \hsize
17465           \addtolength{\@tempdimb}{-#2}%
17466           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
17467         }%
17468       \fi
17469       \par
17470       \parindent\@tempdimc\noindent
17471       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17472     }%
17473     \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17474 }
17475 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17476 \renewcommand*\left@footnoterule{%
17477   \normalsize\ftn@rule@test@values
17478   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
17479   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17480   {\usekomafont{footnoterule}{%
17481     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17482   \kern 2.6\p@}
17483 \renewcommand*\right@footnoterule{%
17484   \normalsize\ftn@rule@test@values
17485   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
17486   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17487   {\usekomafont{footnoterule}{%
17488     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17489   \kern 2.6\p@}
17490 \renewcommand*\maketitle[1][1]{%
17491   \if@titlepage
17492     \begin{titlepage}
17493       \setcounter{page}{%
17494         #1%

```



```

17495 }%
17496 \let\footnotesize\small
17497 \let\right@footnoterule\relax
17498 \let\left@footnoterule\relax
17499 \let\textwidth@footnoterule\relax
17500 \let\footnote\thanks
17501 \let\LTRfootnote\LTRthanks
17502 \let\RTLfootnote\RTLthanks
17503 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17504 \let\@oldmakefnmark\@makefnmark
17505 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
17506 \ifx\@extratitle\@empty \else
17507 \noindent\@extratitle\next@tpage\cleardoubleemptypage
17508 \thispagestyle{empty}%
17509 \fi
17510 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17511 \ifx\@titlehead\@empty \else
17512 \begin{minipage}[t]{\textwidth}%
17513 \@titlehead
17514 \end{minipage}\par
17515 \fi
17516 \null\vfill
17517 \begin{center}
17518 \ifx\@subject\@empty \else
17519 {\subject@font \@subject \par}%
17520 \vskip 3em
17521 \fi
17522 {\titlefont\huge \@title\par}%
17523 \vskip 1em
17524 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17525 \vskip 2em
17526 {\Large \lineskip 0.75em
17527 \begin{tabular}[t]{c}
17528 \@author
17529 \end{tabular}}\par
17530 }%
17531 \vskip 1.5em
17532 {\Large \@date \par}%
17533 \vskip \z@ \@plus3fill
17534 {\Large \@publishers \par}%
17535 \vskip 3em
17536 \end{center}\par
17537 \@thanks
17538 \vfill\null
17539 \if@twoside\next@tpage
17540 \begin{minipage}[t]{\textwidth}
17541 \uppertitleback
17542 \end{minipage}\par
17543 \vfill
17544 \begin{minipage}[b]{\textwidth}

```



```

17545         \@lowertitleback
17546     \end{minipage}
17547 \fi
17548 \ifx\@dedication\@empty \else
17549     \next@tpage\null\vfill
17550     {\centering \Large \@dedication \par}%
17551     \vskip \z@ \@plus3fill
17552     \if@twoside \next@tpage\cleardoubleemptypage \fi
17553 \fi
17554 \end{titlepage}
17555 \else
17556     \par
17557     \@tempcnta=%
17558     #1%
17559     \relax\ifnum\@tempcnta=1\else
17560         \ClassWarning{\KOMAClassName}{%
17561             Optional argument of \string\maketitle\space ignored
17562             at\MessageBreak
17563             notitlepage-mode%
17564         }%
17565     \fi
17566     \begingroup
17567         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17568         \let\@oldmakefnmark\@makefnmark
17569         \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}
17570         \if@twocolumn
17571             \ifnum \col@number=\@ne
17572                 \@maketitle
17573             \else
17574                 \twocolumn[\@maketitle]%
17575             \fi
17576         \else
17577             \newpage
17578             \global\@topnum\z@
17579             \@maketitle
17580         \fi
17581         \thispagestyle{\titlepagestyle}\@thanks
17582     \endgroup
17583 \fi
17584 \setcounter{footnote}{0}%
17585 \let\thanks\relax
17586 \let\LTRthanks\relax
17587 \let\RTLthanks\relax
17588 \let\maketitle\relax
17589 \let\@maketitle\relax
17590 \global\let\@thanks\@empty
17591 \global\let\@author\@empty
17592 \global\let\@date\@empty
17593 \global\let\@title\@empty
17594 \global\let\@subtitle\@empty

```



```

17595 \global\let\@extratitle\@empty
17596 \global\let\@titlehead\@empty
17597 \global\let\@subject\@empty
17598 \global\let\@publishers\@empty
17599 \global\let\@uppertitleback\@empty
17600 \global\let\@lowertitleback\@empty
17601 \global\let\@dedication\@empty
17602 \global\let\author\relax
17603 \global\let\title\relax
17604 \global\let\extratitle\relax
17605 \global\let\titlehead\relax
17606 \global\let\subject\relax
17607 \global\let\publishers\relax
17608 \global\let\uppertitleback\relax
17609 \global\let\lowertitleback\relax
17610 \global\let\dedication\relax
17611 \global\let\date\relax
17612 \global\let\and\relax
17613 }%
17614 \renewcommand*{\@maketitle}{%
17615 \clearpage
17616 \let\footnote\thanks
17617 \let\LTRfootnote\LTRthanks
17618 \let\RTLfootnote\RTLthanks
17619 \ifx\@extratitle\@empty \else
17620 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17621 \fi
17622 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17623 \ifx\@titlehead\@empty \else
17624 \begin{minipage}[t]{\textwidth}
17625 \@titlehead
17626 \end{minipage}\par
17627 \fi
17628 \null
17629 \vskip 2em%
17630 \begin{center}%
17631 \ifx\@subject\@empty \else
17632 {\subject@font \@subject \par}
17633 \vskip 1.5em
17634 \fi
17635 {\titlefont\huge \@title \par}%
17636 \vskip .5em
17637 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17638 \vskip 1em
17639 {\Large
17640 \lineskip .5em%
17641 \begin{tabular}[t]{c}
17642 \@author
17643 \end{tabular}\par
17644 }%

```



```

17645 \vskip 1em%
17646 {\Large \@date \par}%
17647 \vskip \z@ \@plus 1em
17648 {\Large \@publishers \par}
17649 \ifx\@dedication\@empty \else
17650 \vskip 2em
17651 {\Large \@dedication \par}
17652 \fi
17653 \end{center}%
17654 \par
17655 \vskip 2em
17656 }%
17657 \def\raggedsection{\ifRTL\raggedleft\else\raggedright\fi}
17658 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17659 \renewcommand*\thesection{%
17660 \thechapter\@SepMark%
17661 \@arabic\c@section
17662 }
17663 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
17664 \renewcommand*\thesubsubsection{%
17665 \thesubsection\@SepMark\@arabic\csubsubsection
17666 }
17667 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
17668 \renewcommand*\thesubparagraph{%
17669 \theparagraph\@SepMark\@arabic\csubparagraph
17670 }
17671 \renewcommand*\thefigure{%
17672 \thechapter\@SepMark%
17673 \@arabic\c@figure
17674 }
17675 \renewcommand*\thetable{%
17676 \thechapter\@SepMark%
17677 \@arabic\c@table
17678 }
17679 \renewcommand*\theequation{%
17680 \thechapter\@SepMark%
17681 \@arabic\c@equation
17682 }
17683 \renewenvironment{thebibliography}[1]{%
17684 \if@bib@break@
17685 \bib@beginhook
17686 \else
17687 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17688 \setchapterpreamble{\bibpreamble}%
17689 \fi\fi
17690 \bib@heading
17691 \bib@beginhook
17692 \bib@beforehook
17693 \fi
17694 \renewcommand{\BreakBibliography}[1]{%

```



```

17695 \bib@break
17696 \end{thebibliography}%
17697 \begingroup ##1\endgroup
17698 \begin{thebibliography}{#1}
17699 }%
17700 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17701 \bidi@thebibliography@font@hook%
17702 \list{%
17703 \biblabel{\@arabic\c@enumiv}%
17704 }{%
17705 \settowidth\labelwidth{\biblabel{#1}}%
17706 \leftmargin\labelwidth
17707 \advance\leftmargin\labelsep
17708 \@openbib@code
17709 \if@bib@break@
17710 \edef\@tempa{%
17711 \noexpand\usecounter{enumiv}%
17712 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17713 }\@tempa
17714 \no@bib@break
17715 \else
17716 \usecounter{enumiv}%
17717 \fi
17718 \let\p@enumiv\@empty
17719 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17720 }%
17721 \sloppy\clubpenalty4000 \widowpenalty4000
17722 \sfcode`\.=\@m
17723 }{%
17724 \if@bib@break@
17725 \def\@noitemerr{%
17726 \@latex@warning{%
17727 \string\BreakBibliography\space at begin of `thebibliography'
17728 environment\MessageBreak
17729 or following \string\BreakBibliography}%
17730 }%
17731 \else
17732 \def\@noitemerr{%
17733 \@latex@warning{%
17734 Empty `thebibliography' environment or
17735 \string\BreakBibliography\MessageBreak
17736 before end of `thebibliography' environment}%
17737 }%
17738 \fi
17739 \endlist
17740 \if@bib@break@
17741 \else
17742 \bib@after@hook
17743 \let\bib@before@hook\@empty
17744 \let\bib@after@hook\@empty

```



```

17745 \fi
17746 \bib@endhook
17747 }
17748 \renewcommand*\left@footnoterule{%
17749 \kern-3\p@
17750 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17751 \hrule\@width.4\columnwidth
17752 \kern 2.6\p@}
17753 \renewcommand*\right@footnoterule{%
17754 \kern-3\p@
17755 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17756 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17757 \kern2.6\p@}
17758 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17759 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17760 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17761 \renewcommand\marginline[1]{%
17762 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17763 }
17764 \renewcommand{\@@makecaption}[3]{%
17765 \cap@margin
17766 \ifonelinecaptions
17767 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17768 \let\scr@tmp@footnotetext=\@footnotetext
17769 \let\@footnotetext=\@gobble
17770 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17771 \let\@LTRfootnotetext=\@gobble
17772 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17773 \let\@RTLfootnotetext=\@gobble
17774 \sbox\@tempboxa{%
17775 {\capfont{\strut\ignorespaces
17776 #1{\caplabelfont{#2\captionformat}}}%
17777 #3\unskip\strut}}%
17778 }%
17779 \let\@footnotetext=\scr@tmp@footnotetext
17780 \let\scr@tmp@footnotetext=\undefined
17781 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17782 \let\scr@tmp@LTRfootnotetext=\undefined
17783 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17784 \let\scr@tmp@RTLfootnotetext=\undefined
17785 \setcounter{footnote}{\@tempcntb}%
17786 \setcounter{mpfootnote}{\@tempcnta}%
17787 \else
17788 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17789 \fi
17790 \begingroup%
17791 \setlength{\@tempdima}{\cap@width}%
17792 \ifdim \wd\@tempboxa >\@tempdima
17793 \hb@xt@\hsize{%
17794 \setbox\@tempboxa\vbox{\hsize=\cap@width

```



```

17795         \ifdofullc@p
17796             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17797                 #1{\caplabelfont{#2\captionformat}}}}}%
17798                 {\#3\unskip\strut\par}}}%
17799         \else%
17800             \ifdim\cap@indent<\z@
17801                 {\capfont{\strut\ignorespaces
17802                     #1{\caplabelfont{#2\captionformat\par}}}%
17803                     \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}}%
17804             \else%
17805                 \if@capbreak
17806                     {\capfont{\strut\ignorespaces
17807                         #1{\caplabelfont{#2\captionformat\par}}}%
17808                         \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
17809                 \else
17810                     {\capfont{\@hangfrom{\scr@smashdp{\strut\hspace*{\cap@indent}}}%
17811                         {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17812                             {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
17813                     \fi
17814                 \fi
17815             \fi
17816         }%
17817         \setlength{\@tempdima}{\ht\@tempboxa}%
17818         \addtolength{\@tempdima}{\dp\@tempboxa}%
17819         \addtolength{\@tempdima}{-\ht\strutbox}%
17820         \ht\@tempboxa\ht\strutbox
17821         \dp\@tempboxa\@tempdima
17822         \strut\cap@left
17823         \box\@tempboxa
17824         \cap@right\strut
17825     }%
17826 \else
17827     \global \@minipagefalse
17828     \sbox\@tempboxa{%
17829         {\capfont{\scr@smashdp{\strut\ignorespaces
17830             #1{\caplabelfont{#2\captionformat}}}}}%
17831             {\#3}}}%
17832     }%
17833     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\c
17834 \fi
17835 \endgroup
17836 }
17837 \renewcommand{\@makecaption}[2]{%
17838     \if@captionabove
17839         \vskip\belowcaptionskip
17840     \else
17841         \vskip\abovecaptionskip
17842     \fi
17843     \@makecaption\@firstofone{#1}{#2}%
17844     \if@captionabove

```



```

17845     \vskip\abovecaptionskip
17846   \else
17847     \vskip\belowcaptionskip
17848   \fi
17849 }
17850 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17851   \@ifpackageloaded{caption2}{\@komalongtablefalse
17852     \scr@caption@before@longtable@warning{caption2}%
17853   }{}%
17854   \if@komalongtable
17855     \renewcommand{\LT@makecaption}[3]{%
17856       \noalign{%
17857         \if@captionabove
17858           \vskip\belowcaptionskip
17859         \else
17860           \vskip\abovecaptionskip
17861         \fi
17862       }%
17863       \LT@mcol\LT@cols c{%
17864         \hbox to\z@{\hss\parbox[t]{linewidth{%
17865           \@makecaption{#1}{#2}{#3}%
17866         }\endgraf
17867         \if@captionabove
17868           \vskip\abovecaptionskip
17869         \else
17870           \vskip\belowcaptionskip
17871         \fi
17872       }%
17873       \hss
17874     }%
17875   }%
17876 }%
17877 \renewcommand*{\scr@LT@array}{}%
17878 \let\scr@LT@array=\LT@array
17879 \renewcommand*{\LT@array}{%
17880   \let\scr@caption=\LT@caption
17881   \def\captionabove{\noalign{\global\@captionabovetrue}%
17882     \scr@caption}%
17883   \def\captionbelow{\noalign{\global\@captionabovetrue}%
17884     \scr@caption}%
17885   \if@tablecaptionabove
17886     \let\LT@caption=\captionabove
17887   \else
17888     \let\LT@caption=\captionbelow
17889   \fi
17890   \scr@LT@array
17891 }%
17892 \ClassInfo{KOMAClassName}{%
17893   longtable captions redefined%
17894 }%

```



```

17895 \fi
17896 }
17897
17898 \CloneTOCEntryStyle{tocline}{part}
17899 \TOCEntryStyleStartInitCode{part}{%
17900 \expandafter\renewcommand%
17901 \csname scr@tso@#1@linefill\endcsname{\hfill}%
17902 \expandafter\renewcommand%
17903 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17904 \expandafter\renewcommand%
17905 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17906 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17907 \expandafter\renewcommand\expandafter*%
17908 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
17909 }
17910
17911 \CloneTOCEntryStyle{tocline}{chapter}
17912 \TOCEntryStyleStartInitCode{chapter}{%
17913 \expandafter\renewcommand%
17914 \csname scr@tso@#1@linefill\endcsname{%
17915 \if@chapterentrywithdots
17916 \TOCLineLeaderFill\relax
17917 \else
17918 \hfill
17919 \fi
17920 }%
17921 \expandafter\renewcommand%
17922 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17923 \expandafter\renewcommand%
17924 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17925 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17926 \expandafter\renewcommand\expandafter*%
17927 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
17928 }
17929
17930 \CloneTOCEntryStyle{tocline}{section}
17931 \TOCEntryStyleStartInitCode{section}{%
17932 \expandafter\renewcommand%
17933 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17934 }
17935
17936 \CloneTOCEntryStyle{section}{default}
17937
17938 \DeclareSectionCommand[%
17939 style=part,%
17940 level=\m@ne,%
17941 pagestyle=plain,%
17942 tocstyle=part,%
17943 toclevel=\m@ne,%
17944 tocindent=\z@,%

```



```

17945   tocnumwidth=2em%
17946 ]{part}
17947 \DeclareSectionCommand[%
17948   style=chapter,%
17949   level=\z0,%
17950   pagestyle=plain,%
17951   tocstyle=chapter,%
17952   tocindent=\z0,%
17953   tocnumwidth=1.5em%
17954 ]{chapter}
17955 \DeclareSectionCommand[%
17956   style=section,%
17957   level=1,%
17958   indent=\z0,%
17959   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17960   afterskip=2.3ex \@plus .2ex,%
17961   tocstyle=section,%
17962   tocindent=1.5em,%
17963   tocnumwidth=2.3em%
17964 ]{section}
17965 \DeclareSectionCommand[%
17966   style=section,%
17967   level=2,%
17968   indent=\z0,%
17969   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17970   afterskip=1.5ex \@plus .2ex,%
17971   tocstyle=section,%
17972   tocindent=3.8em,%
17973   tocnumwidth=3.2em%
17974 ]{subsection}
17975 \DeclareSectionCommand[%
17976   style=section,%
17977   level=3,%
17978   indent=\z0,%
17979   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17980   afterskip=1.5ex \@plus .2ex,%
17981   tocstyle=section,%
17982   tocindent=7.0em,%
17983   tocnumwidth=4.1em%
17984 ]{subsubsection}
17985 \DeclareSectionCommand[%
17986   style=section,%
17987   level=4,%
17988   indent=\z0,%
17989   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17990   afterskip=-1em,%
17991   tocstyle=section,%
17992   tocindent=10em,%
17993   tocnumwidth=5em%
17994 ]{paragraph}

```



```

17995 \DeclareSectionCommand[%
17996   style=section,%
17997   level=5,%
17998   indent=\scr@parindent,%
17999   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
18000   afterskip=-1em,%
18001   tostyle=section,%
18002   tocindent=12em,%
18003   tocnumwidth=6em%
18004 ]{subparagraph}
18005
18006

```

7.105 sidecap-xetex-bidi.def

```

18007 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for
18008 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
18009   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
18010   \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
18011 \renewcommand*{\SC@justify@caption}{\if@RTL%
18012 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
18013   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

7.106 soul-xetex-bidi.def

```

18014 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
18015 \long\def\SOUL@start#1{%
18016   \let\bid@RTL@everypar\@empty
18017   \let\<\SOUL@lowerthan
18018   \let\>\empty
18019   \def\soulomit{\noexpand\soulomit}%
18020   \gdef\SOUL@eventuallyexhyphen##1{%
18021     \let\SOUL@soeventuallyskip\relax
18022     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
18023       \@minus\fontdimen4\font
18024     \SOUL@ignorespacesfalse
18025     \leavevmode
18026     \SOUL@preamble
18027     \SOUL@lasttoken={}
18028     \SOUL@word={}
18029     \SOUL@minus\z@
18030     \SOUL@comma\z@
18031     \SOUL@apo\z@
18032     \SOUL@grave\z@
18033     \SOUL@do{#1}%
18034     \SOUL@postamble
18035   }}
18036 \def\SOUL@underline#1{%
18037   \setbox\z@\hbox{#1}%
18038   \dimen@=\wd\z@
18039   \dimen@i=\SOUL@uloverlap

```



```

18040 \advance\dimen@2\dimen@i
18041 \if@RTL
18042 \unhcopy\z@
18043 \llap{%
18044 \null
18045 \kern-\dimen@i
18046 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18047 }%
18048 \else
18049 \rlap{%
18050 \null
18051 \kern-\dimen@i
18052 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18053 }%
18054 \unhcopy\z@
18055 \fi
18056 }}
18057 \def\bidi@SOUL@ulleaders{%
18058 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\re
18059 }
18060 \def\SOUL@uleveryspace#1{%
18061 \if@RTL
18062 #1%
18063 \bidi@SOUL@ulleaders
18064 \hskip\spaceskip
18065 \else
18066 \SOUL@ulcolor{%
18067 #1%
18068 \SOUL@ulleaders
18069 \hskip\spaceskip
18070 }%
18071 \fi
18072 \null
18073 }

```

7.107 stabular-xetex-bidi.def

```

18074 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
18075 \def@stabular{%
18076 \leavevmode \bgroup \if@RTLtab\beginR \fi
18077 \let\@acol\@tabacol
18078 \let\@classz\@tabclassz
18079 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
18080 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18081 \egroup \if@RTLtab\endR\fi\egroup}
18082 \expandafter \let \csname endstabular*\endcsname = \endstabular
18083 \def\@sarray[#1]#2{%
18084 \bgroup
18085 \setbox\@arstrutbox\hbox{%
18086 \vrule \@height\arraystretch\ht\strutbox

```



```

18087         \@depth\arraystretch \dp\strutbox
18088         \@width\z@}%
18089     \mkpream{#2}%
18090     \edef\@preamble{%
18091         \ialign \noexpand\@halignto
18092             \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18093     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18094     \let\tabularnewline\\%
18095     \let\@sharp##%
18096     \set@typeset@protect
18097     \lineskip\z@skip\baselineskip\z@skip
18098     \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
18099     \@preamble}

```

7.108 subfigure-xetex-bidi.def

```

18100 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18101 \AtBeginDocument{%
18102     \let\p@subfigure=\thefigure
18103     \let\p@subtable=\thetable%
18104 }

```

7.109 tabs-xetex-bidi.def

```

18105 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeLaTeX]
18106 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18107
18108 \expandafter\let\csname endtabular*\endcsname=\endtabular
18109
18110 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
18111     \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
18112     \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
18113
18114 \def\@array[#1]#2{% remember global variables to allow recursion:
18115     \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
18116         \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
18117     \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
18118     \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18119     \else \let\@tarlinesep\tablinesep \fi
18120     \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18121     \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
18122     \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
18123     \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
18124         \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@@size
18125         \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
18126     \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18127         \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
18128     \let\protect\noexpand
18129     \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18130     \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
18131     \let\@startpbox\@startpbox \let\@endpbox\@endpbox

```



```

18132 \if#1t\top \else \if#1b\box \else \vcenter \fi\fi
18133 \bgroup \let\par\@empty
18134 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18135 \advance\extrarulesep.5\arrayrulewidth
18136 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
18137 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\top \else \box \fi\bgroup\fi
18138 \@preamble}

```

7.110 tabularx-xetex-bidi.def

```

18139 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
18140 \def\TX@endtabularx{%
18141   \expandafter\expandafter\expandafter
18142     \TX@find@endtabularxa\csname end\TX@\endcsname
18143   \endtabularx\TX@\endtabularx\TX@find@endtabularxa
18144   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
18145   \let\verb\TX@verb
18146   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
18147   \edef\TX@ckpt{\cl@ckpt}%
18148   \let\@elt\relax
18149   \TX@old@table\maxdimen
18150   \TX@col@width\TX@target
18151   \global\TX@cols\@ne
18152   \TX@typeout@
18153     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
18154   \TX@trial{\def\NC@rewriteX{%
18155     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
18156   \loop
18157     \TX@arith
18158     \ifTX@
18159       \TX@trial{}%
18160   \repeat
18161   {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
18162     \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
18163     \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
18164     \csname tabular*\expandafter\endcsname\expandafter\TX@target
18165       \the\toks@
18166     \csname endtabular*\endcsname}%
18167   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
18168   \ifnum0=~{\fi}%
18169   \expandafter\expandafter\expandafter
18170     \TX@find@endtabularxbb
18171     \expandafter\end\expandafter{\TX@}%
18172   \endtabularx\TX@\endtabularx\TX@find@endtabularxb
18173 }
18174
18175 \def\TX@trial#1{%
18176   \setbox\@tempboxa\hbox{%
18177     #1\relax
18178   \let\@footnotetext\TX@trial@ftn

```



```

18179 \let\@LTRfootnotetext\TX@trial@ftn
18180 \let\@RTLfootnotetext\TX@trial@ftn
18181 \let\TX@vwarn\@empty
18182 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
18183 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
18184 \def\write{\begingroup
18185   \def\let{\afterassignment\endgroup\toks@}%
18186   \afterassignment\let\count@}%
18187   \hbadness\@M
18188   \hfuzz\maxdimen
18189   \let\hbadness\@tempcnta
18190   \let\hfuzz\@tempdima
18191   \expandafter\tabular\the\toks@
18192   \endtabular}%
18193 \TX@ckpt
18194 \TX@typeout@{\@spaces
18195   \expandafter\TX@align
18196   \the\wd\@tempboxa\space\space\space\space\space\@@
18197   \expandafter\TX@align
18198   \the\TX@col@width\space\space\space\space\space\@@
18199   \@spaces\the\TX@cols}}
18200
18201 \long\def\TX@LTRftntext#1{%
18202   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
18203     [\the\csname c@\@mpfn\endcsname]}}%
18204   \global\TX@ftn\expandafter{\@tempa{#1}}}%
18205 \long\def\TX@xLTRftntext[#1]#2{%
18206   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
18207
18208 \long\def\TX@RTLftntext#1{%
18209   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
18210     [\the\csname c@\@mpfn\endcsname]}}%
18211   \global\TX@ftn\expandafter{\@tempa{#1}}}%
18212 \long\def\TX@xRTLftntext[#1]#2{%
18213   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

7.111 tabulary-xetex-bidi.def

```

18214 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
18215 \def\@testpach{\@chclass
18216   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
18217   \ifnum \@lastchclass=7 5 \else
18218   \ifnum \@lastchclass=8 \tw@ \else
18219   \ifnum \@lastchclass=9 \thr@@
18220   \else \@z@
18221   \ifnum \@lastchclass = 10 \else
18222   \edef\@nextchar{\expandafter\string\@nextchar}%
18223   \@chnum
18224   \if \@nextchar c\z@ \else
18225   \if \@nextchar \if@RTLTa b r\else l\fi\@ne \else

```



```

18226     \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
18227     \if \@nextchar C7 \else
18228     \if \@nextchar L8 \else
18229     \if \@nextchar R9 \else
18230     \if \@nextchar J10 \else
18231     \z@ \@chclass
18232     \if \@nextchar |\@ne \else
18233     \if \@nextchar !6 \else
18234     \if \@nextchar @7 \else
18235     \if \@nextchar <8 \else
18236     \if \@nextchar >9 \else
18237     10
18238     \@chnum
18239     \if \@nextchar m\thr@@\else
18240     \if \@nextchar p4 \else
18241     \if \@nextchar b5 \else
18242     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
18243     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

7.112 tc-xetex-bidi.def

```

18244 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeT
18245 \def\@cliptoboxdim#1{%
18246     \setbox#1=\hbox{%
18247         \Gin@defaultbp\WIDTH{\wd#1}%
18248         \Gin@defaultbp\DEPTH{\dp#1}%
18249         \@tempdima\ht#1%
18250         \advance\@tempdima\dp#1%
18251         \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
18252         \beginL\special{pdf:bcontent }%
18253         \special{%
18254             pdf:literal direct
18255             0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
18256         }%
18257         \special{pdf:literal direct W }%
18258         \special{pdf:literal direct n }%
18259         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
18260         \special{pdf:econtent }\endL%
18261     }%
18262 }

```

7.113 tcolorbox-xetex-bidi.def

```

18263 \ProvidesFile{tcolorbox-xetex-bidi.def}[2017/08/15 v0.1 bidi adaptations for tcolorbox packag
18264 \let\endtcbox@lrbox=\endminipage
18265 \let\endtcbox@savebox=\endtcbox@lrbox
18266
18267 \bidi@patchcmd{\tcb@vbox}{%
18268     \let\@footnotetext\@mpfootnotetext%
18269 }{%
18270     \let\@footnotetext\@mpfootnotetext%

```



```

18271 \let\@LTRfootnotetext\@mpLTRfootnotetext%
18272 \let\@RTLfootnotetext\@mpRTLfootnotetext%
18273 }{}{}
18274
18275 \bidi@patchcmd{\endtcbox}{%
18276   \footnoterule%
18277 }{%
18278   \bidi@mpfootnoterule%
18279 }{}{}

```

7.114 titlesec-xetex-bidi.def

```

18280 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
18281 \renewcommand\filright{%
18282   \gdef\ttl@filleft##1{\hskip##1}%
18283   \gdef\ttl@filright##1{\hfill}%
18284   \let\\\@centercr
18285   \advance\rightskip\z@ \@plus 1fil
18286   \parfillskip\z@}
18287 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
18288   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
18289   \setlength\leftskip{#6}%
18290   \setlength\rightskip{#7}%
18291   \interlinepenalty\@M
18292   \ttl@changecentercr
18293   \ttl@beginlongest
18294   #1{\ifhmode\ttl@hmode@error\fi
18295     \ttl@glcmds
18296     \parindent\z@
18297     \leavevmode
18298     \begingroup
18299     \ifttl@label
18300       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
18301       \if@RTL\advance\rightskip\wd\z@ \else\advance\leftskip\wd\z@ \fi
18302       \llap{\box\z@}%
18303       \fi
18304       #4{#8}%
18305       \kern\z@\strut\@@par
18306     \endgroup
18307     \nobreak\ttl@midlongest#5\@@par}%
18308   \ttl@endlongest}

```

7.115 titletoc-xetex-bidi.def

```

18309 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
18310 \renewcommand\filright{%
18311   \gdef\ttl@filleft##1{\hskip##1}%
18312   \gdef\ttl@filright##1{\hfill}%
18313   \let\\\@centercr
18314   \advance\rightskip\z@ \@plus 1fil
18315   \parfillskip\z@}

```



```

18316 \renewcommand\contentspush[1]{%
18317   \sbox\z@{#1}%
18318   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
18319   \aftergroup\ttl@b
18320   \leavevmode\llap{\box\z@}}
18321 \def\ttl@outnoblock#1#2#3{%
18322   \begingroup
18323   \ifnum\ttl@b>\ttl@a
18324     \nobreak
18325   \else\ifnum\ttl@b<\ttl@a
18326     \addpenalty{\@secpenalty}%
18327   \else
18328     \addpenalty{\z@}%
18329   \fi\fi
18330   \ttl@contentsstretch
18331   \nobreak
18332   \ifcase#1\relax\else\interlinepenalty\M\fi
18333   \parindent\z@
18334   \ifx\@nil#2%
18335     \PackageError{titletoc}{Unimplemented}%
18336     {The optional argument is currently mandatory}%
18337   \else
18338     \if@RTL\setlength\rightskip{#2}\else
18339     \setlength\leftskip{#2}\fi%
18340   \fi
18341   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
18342   \let\contentsmargin\ttl@margin
18343   \def\ttl@makeline##1{##1}%
18344   #3%
18345   \addtolength{\parfillskip}{-\ttl@corr}%
18346   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
18347   \let\ttl@leaders\leaders}
18348 \renewcommand\ttl@margin[2][\z@]{%
18349   \def\ttl@corr{#1}%
18350   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
18351   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
18352   \def\@pnumwidth{#2}}
18353 \let\ttl@savel@part\l@part
18354 \def\l@part{\ttl@lselect{part}}
18355
18356 \let\ttl@savel@chapter\l@chapter
18357 \def\l@chapter{\ttl@lselect{chapter}}

```

7.116 tocibind-xetex-bidi.def

```

18358 \ProvidesFile{tocibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocibind package]
18359 \if@dotocbib
18360   \@ifpackageloaded{natbib}{\% natbib not loaded
18361     \renewcommand{\bibsection}{\t@cb@bchapsec}
18362     \renewenvironment{thebibliography}[1]{%

```



```

18363     \bibsection
18364     \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
18365 \renewenvironment{thebibitemlist}[1]{
18366   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18367   \bidi@thebibliography@font@hook%
18368   \list{\@biblabel{\@arabic{c@enumiv}}}%
18369     {\settowidth\labelwidth{\@biblabel{#1}}%
18370     \leftmargin\labelwidth
18371     \advance\leftmargin\labelsep
18372     \@openbib@code
18373     \usecounter{enumiv}%
18374     \let\p@enumiv\@empty
18375     \renewcommand\theenumiv{\@arabic{c@enumiv}}%
18376     \sloppy
18377     \clubpenalty4000
18378     \@clubpenalty \clubpenalty
18379     \widowpenalty4000%
18380     \sfcode`.\@m}
18381 {\def\@noitemerr
18382   {\@latex@warning{Empty `thebibliography' environment}}}%
18383   \endlist}
18384
18385 \ifpackagewith{chapterbib}{sectionbib}%
18386   {\renewcommand{\sectionbib}[2]{}}%
18387   {}
18388
18389 \fi
18390 \if@inltxdoc\else
18391   \renewenvironment{theindex}%
18392     {\if@twocolumn
18393       \@restonecolfalse
18394       \else
18395         \@restonecoltrue
18396       \fi
18397     \if@bibchapter
18398       \if@donumindex
18399         \refstepcounter{chapter}
18400         \twocolumn[\vspace*{2\topskip}%
18401           \@makechapterhead{\indexname}}]%
18402         \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
18403         \chaptermark{\indexname}
18404       \else
18405         \if@dotocind
18406           \twocolumn[\vspace*{2\topskip}%
18407             \@makeschapterhead{\indexname}}]%
18408           \prw@mkboth{\indexname}
18409           \addcontentsline{toc}{chapter}{\indexname}
18410         \else
18411           \twocolumn[\vspace*{2\topskip}%
18412             \@makeschapterhead{\indexname}}]%

```



```

18413         \prw@mkboth{\indexname}
18414     \fi
18415 \fi
18416 \else
18417     \if@donumindex
18418         \twocolumn[\vspace*{-1.5\topskip}%
18419             \@nameuse{\@tocextra}{\indexname}}%
18420         \csname \@tocextra mark\endcsname{\indexname}
18421     \else
18422         \if@dotocind
18423             \twocolumn[\vspace*{-1.5\topskip}%
18424                 \toc@headstar{\@tocextra}{\indexname}}%
18425             \prw@mkboth{\indexname}
18426             \addcontentsline{toc}{\@tocextra}{\indexname}
18427         \else
18428             \twocolumn[\vspace*{-1.5\topskip}%
18429                 \toc@headstar{\@tocextra}{\indexname}}%
18430             \prw@mkboth{\indexname}
18431         \fi
18432     \fi
18433 \fi
18434 \thispagestyle{plain}\parindent\z@
18435 \parskip\z@ \@plus .3\p@\relax
18436 \let\item\@idxitem
18437 {\if@restonecol\onecolumn\else\clearpage\fi}
18438 \fi

```

7.117 tocloft-xetex-bidi.def

```

18439 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for]
18440 \let\cftdot\@SepMark
18441 \if@cfthaspart
18442 \renewcommand*{\l@part}[2]{
18443     \@cftdopartfalse
18444     \ifnum \c@tocdepth >-2\relax
18445         \if@cfthaschapter
18446             \@cftdoparttrue
18447         \fi
18448         \ifnum \c@tocdepth >\m@ne
18449             \if@cfthaschapter\else
18450                 \@cftdoparttrue
18451             \fi
18452         \fi
18453     \fi
18454     \if@cftdopart
18455         \if@cfthaschapter
18456             \addpenalty{-\@highpenalty}
18457         \else
18458             \addpenalty\@secpenalty
18459         \fi

```



```

18460 \addvspace{\cftbeforepartskip}
18461 \begingroup
18462   {\if@RTL\rightright\else\leftskip\fi \cftpartindent\relax
18463     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18464     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18465     \parindent \cftpartindent\relax\@afterindenttrue
18466     \interlinepenalty\@M
18467     \leavevmode
18468     \@tempdima \cftpartnumwidth\relax
18469     \let\@cftbsnum \cftpartpresnum
18470     \let\@cftasnum \cftpartaftersnum
18471     \let\@cftasnumb \cftpartaftersnumb
18472     \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright\else\leftskip\fi
18473     {\cftpartfont \cftpartpresnum #1}
18474     \cftpartfillnum{#2}}
18475   \nobreak
18476   \if@cfthaschapter
18477     \global\@nobreaktrue
18478     \everypar{\global\@nobreakfalse\everypar{}}
18479   \else
18480     \if@compatibility
18481       \global\@nobreaktrue
18482       \everypar{\global\@nobreakfalse\everypar{}}
18483     \fi
18484   \fi
18485 \endgroup
18486 \fi}
18487 \fi
18488 \if@cfthaschapter
18489 \renewcommand*{\l@chapter}[2]{
18490   \ifnum \c@tocdepth >\m@ne
18491     \addpenalty{-\@highpenalty}
18492     \vskip \cftbeforechapskip
18493     {\if@RTL\rightright\else\leftskip\fi \cftchapindent\relax
18494       \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18495       \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18496       \parindent \cftchapindent\relax\@afterindenttrue
18497       \interlinepenalty\@M
18498       \leavevmode
18499       \@tempdima \cftchapnumwidth\relax
18500       \let\@cftbsnum \cftchappresnum
18501       \let\@cftasnum \cftchapaftersnum
18502       \let\@cftasnumb \cftchapaftersnumb
18503       \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright\else\leftskip\fi
18504       {\cftchapfont #1}\nobreak
18505       \cftchapfillnum{#2}}
18506   \fi}
18507 \fi
18508 \renewcommand*{\l@section}[2]{%
18509   \ifnum \c@tocdepth >\z@

```



```

18510 \if@cfthaschapter
18511 \vskip \cftbeforesecskip
18512 \else
18513 \addpenalty\@secpenalty
18514 \addvspace{\cftbeforesecskip}
18515 \fi
18516 {\if@RTL\rightright\else\leftskip\fi \cftsecindent\relax
18517 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
18518 \parfillskip -\if@RTL\leftskip\else\rightright\fi
18519 \parindent \cftsecindent\relax\@afterindenttrue
18520 \interlinepenalty\@M
18521 \leavevmode
18522 \@tempdima \cftsecnumwidth\relax
18523 \let\@cftbsnum \cftsecpresnum
18524 \let\@cftasnum \cftsecaftersnum
18525 \let\@cftasnumb \cftsecaftersnumb
18526 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18527 {\cftsecfont #1}\nobreak
18528 \cftsecfillnum{#2}}
18529 \fi}
18530 \renewcommand*{\l@section}[2]{%
18531 \ifnum \c@tocdepth >\@ne
18532 \vskip \cftbeforesubsecskip
18533 {\if@RTL\rightright\else\leftskip\fi \cftsubsecindent\relax
18534 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
18535 \parfillskip -\if@RTL\leftskip\else\rightright\fi
18536 \parindent \cftsubsecindent\relax\@afterindenttrue
18537 \interlinepenalty\@M
18538 \leavevmode
18539 \@tempdima \cftsubsecnumwidth\relax
18540 \let\@cftbsnum \cftsubsecpresnum
18541 \let\@cftasnum \cftsubsecaftersnum
18542 \let\@cftasnumb \cftsubsecaftersnumb
18543 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18544 {\cftsubsecfont #1}\nobreak
18545 \cftsubsecfillnum{#2}}
18546 \fi}
18547 \renewcommand*{\l@subsubsection}[2]{%
18548 \ifnum \c@tocdepth >\tw@
18549 \vskip \cftbeforesubsubsecskip
18550 {\if@RTL\rightright\else\leftskip\fi \cftsubsubsecindent\relax
18551 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
18552 \parfillskip -\if@RTL\leftskip\else\rightright\fi
18553 \parindent \cftsubsubsecindent\relax\@afterindenttrue
18554 \interlinepenalty\@M
18555 \leavevmode
18556 \@tempdima \cftsubsubsecnumwidth\relax
18557 \let\@cftbsnum \cftsubsubsecpresnum
18558 \let\@cftasnum \cftsubsubsecaftersnum
18559 \let\@cftasnumb \cftsubsubsecaftersnumb

```



```

18560     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18561     {\cftsubsubsecfont #1}\nobreak
18562     \cftsubsubsecfillnum{#2}}
18563 \fi}
18564 \renewcommand*{\l@paragraph}[2]{%
18565 \ifnum \c@tocdepth >3\relax
18566 \vskip \cftbeforeparaskip
18567 {\if@RTL\righskip\else\leftskip\fi \cftparaindent\relax
18568 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18569 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18570 \parindent \cftparaindent\relax\@afterindenttrue
18571 \interlinepenalty\@M
18572 \leavevmode
18573 \@tempdima \cftparanumwidth\relax
18574 \let\@cftbsnum \cftparapresnum
18575 \let\@cftasnum \cftparaaftersnum
18576 \let\@cftasnumb \cftparaaftersnumb
18577 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18578 {\cftparafont #1}\nobreak
18579 \cftparafillnum{#2}}
18580 \fi}
18581 \renewcommand*{\l@subparagraph}[2]{%
18582 \ifnum \c@tocdepth >4\relax
18583 \vskip \cftbeforesubparaskip
18584 {\if@RTL\righskip\else\leftskip\fi \cftsubparaindent\relax
18585 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18586 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18587 \parindent \cftsubparaindent\relax\@afterindenttrue
18588 \interlinepenalty\@M
18589 \leavevmode
18590 \@tempdima \cftsubparanumwidth\relax
18591 \let\@cftbsnum \cftsubparapresnum
18592 \let\@cftasnum \cftsubparaaftersnum
18593 \let\@cftasnumb \cftsubparaaftersnumb
18594 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18595 {\cftsubparafont #1}\nobreak
18596 \cftsubparafillnum{#2}}
18597 \fi}
18598 \renewcommand*{\l@figure}[2]{%
18599 \ifnum \c@lofdepth >\z@
18600 \vskip \cftbeforefigskip
18601 {\if@RTL\righskip\else\leftskip\fi \cftfigindent\relax
18602 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18603 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18604 \parindent \cftfigindent\relax\@afterindenttrue
18605 \interlinepenalty\@M
18606 \leavevmode
18607 \@tempdima \cftfignumwidth\relax
18608 \let\@cftbsnum \cftfigpresnum
18609 \let\@cftasnum \cftfigaftersnum

```



```

18610     \let\@cftasnumb \cftfigaftersnumb
18611     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right.
18612     {\cftfigfont #1}\nobreak
18613     \cftfigfillnum{#2}}
18614   \fi
18615 }
18616 \renewcommand*{\l@table}[2]{%
18617   \ifnum\c@lotdepth >\z@
18618     \vskip \cftbeforetabskip
18619     {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
18620     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18621     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18622     \parindent \cfttabindent\relax\@afterindenttrue
18623     \interlinepenalty\@M
18624     \leavevmode
18625     \@tempdima \cfttabnumwidth\relax
18626     \let\@cftbsnum \cfttabpresnum
18627     \let\@cftasnum \cfttabaftersnum
18628     \let\@cftasnumb \cfttabaftersnumb
18629     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right.
18630     {\cfttabfont #1}\nobreak
18631     \cfttabfillnum{#2}}
18632   \fi
18633 }
18634 \renewcommand{\@cftl@subfig}{
18635 \renewcommand*{\l@subfigure}[2]{%
18636   \ifnum \c@lofdepth > \toclevel@subfigure
18637     \vskip \cftbeforesubfigskip
18638     {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
18639     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18640     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18641     \parindent \cftsubfigindent\relax\@afterindenttrue
18642     \interlinepenalty\@M
18643     \leavevmode
18644     \@tempdima \cftsubfignumwidth\relax
18645     \let\@cftbsnum \cftsubfigpresnum
18646     \let\@cftasnum \cftsubfigaftersnum
18647     \let\@cftasnumb \cftsubfigaftersnumb
18648     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right.
18649     {\cftsubfigfont ##1}\nobreak
18650     \cftsubfigfillnum{##2}}
18651   \fi
18652 }
18653 }
18654 \renewcommand{\@cftl@subtab}{
18655 \renewcommand*{\l@subtable}[2]{%
18656   \ifnum \c@lotdepth > \toclevel@subtable
18657     \vskip \cftbeforesubtabskip
18658     {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
18659     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg

```



```

18660 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18661 \parindent \cftsubtabindent\relax\@afterindenttrue
18662 \interlinepenalty\@M
18663 \leavevmode
18664 \@tempdima \cftsubtabnumwidth\relax
18665 \let\@cftbsnum \cftsubtabpresnum
18666 \let\@cftasnum \cftsubtabaftersnum
18667 \let\@cftasnumb \cftsubtabaftersnumb
18668 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18669 {\cftsubtabfont ##1}\nobreak
18670 \cftsubtabfillnum{##2}}
18671 \fi
18672 }
18673 }
18674 \renewcommand{\newlistentry}[4][\@empty]{%
18675 \@ifundefined{c@#2}{% check & set the counter
18676 \ifx \@empty#1\relax
18677 \newcounter{#2}
18678 \else
18679 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
18680 {#1 has no counter for use as a `within'}
18681 \newcounter{#2}}%
18682 {\newcounter{#2}[#1]%
18683 \expandafter\edef\csname the#2\endcsname{%
18684 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
18685 \fi
18686 \setcounter{#2}{0}
18687 }
18688 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
18689
18690 \@namedef{l@#2}##1##2{%
18691 \ifnum \@nameuse{c@#3depth} > #4\relax
18692 \vskip \@nameuse{cftbefore#2skip}
18693 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
18694 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18695 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18696 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
18697 \interlinepenalty\@M
18698 \leavevmode
18699 \@tempdima \@nameuse{cft#2numwidth}\relax
18700 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
18701 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
18702 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
18703 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18704 {\@nameuse{cft#2font}##1}\nobreak
18705 \@nameuse{cft#2fillnum}{##2}}
18706 \fi
18707 } % end of l@#2
18708
18709 \expandafter\newlength\csname cftbefore#2skip\endcsname

```



```

18710 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
18711 \expandafter\newlength\csname cft#2indent\endcsname
18712 \expandafter\newlength\csname cft#2numwidth\endcsname
18713 \ifcase #4\relax % 0
18714 \setlength{\@nameuse{cft#2indent}}{0em}
18715 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
18716 \or % 1
18717 \setlength{\@nameuse{cft#2indent}}{1.5em}
18718 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
18719 \or % 2
18720 \setlength{\@nameuse{cft#2indent}}{3.8em}
18721 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
18722 \or % 3
18723 \setlength{\@nameuse{cft#2indent}}{7.0em}
18724 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
18725 \else % anything else
18726 \setlength{\@nameuse{cft#2indent}}{10.0em}
18727 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
18728 \fi
18729 \@namedef{cft#2font}{\normalfont}
18730 \@namedef{cft#2presnum}{\}
18731 \@namedef{cft#2aftersnum}{\}
18732 \@namedef{cft#2aftersnumb}{\}
18733 \@namedef{cft#2dotsep}{\cftdotsep}
18734 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
18735 \@namedef{cft#2pagefont}{\normalfont}
18736 \@namedef{cft#2afterpnum}{\}
18737 \@namedef{toclevel@#2}{#4}
18738 \@namedef{cft#2fillnum}##1{%
18739 {\@nameuse{cft#2leader}}\nobreak
18740 \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
18741 } % end \newlistentry
18742 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
18743 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
18744 \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
18745 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
18746 \textit{#1}\protect\par}}}

```

7.118 tocbasic-xetex-bidi.def

```

18747 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package]
18748 \bidi@undef\scr@dte@def@l@undottedtocline
18749 \bidi@undef\scr@dte@undottedtocline@init
18750 \DeclareTOCEntryStyle{undottedtocline}[{%
18751 \DefineTOCEntryLengthOption{indent}%
18752 {\scr@tso@}{@indent}{entry indent}%
18753 \DefineTOCEntryLengthOption{numwidth}%
18754 {\scr@tso@}{@numwidth}{entry number width}%
18755 \@ifundefined{#1tocdepth}{%
18756 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%

```



```

18757 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18758 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18759 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18760 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18761 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18762 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
18763 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
18764 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
18765 \expandafter\let\csname #1tocdepth\expandafter\endcsname
18766 \csname #1numdepth\endcsname
18767 }%
18768 }%
18769 }%
18770 }%
18771 }%
18772 }%
18773 }%
18774 }%
18775 }%
18776 }{}%
18777 \@ifundefined{scr@tso@#1@indent}{%
18778 \@ifundefined{scr@#1@tocindent}{%
18779 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18780 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18781 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18782 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18783 \scr@ifundefinedorrelax{1@chapter}{%
18784 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18785 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18786 \ifstr{#1}{subsubsection}{%
18787 \@namedef{scr@tso@#1@indent}{3.8em}%
18788 }{%
18789 \ifstr{#1}{paragraph}{%
18790 \@namedef{scr@tso@#1@indent}{7em}%
18791 }{%
18792 \ifstr{#1}{subparagraph}{%
18793 \@namedef{scr@tso@#1@indent}{10em}%
18794 }{%
18795 }%
18796 }%
18797 }%
18798 }%
18799 }%
18800 }{}%
18801 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18802 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18803 \ifstr{#1}{subsubsection}{%
18804 \@namedef{scr@tso@#1@indent}{7.0em}%
18805 }{%
18806 \ifstr{#1}{paragraph}{%

```



```

18807         \@namedef{scr@tso@#1@indent}{10em}%
18808     }{%
18809         \ifstr{#1}{subparagraph}{%
18810             \@namedef{scr@tso@#1@indent}{12em}%
18811         }{%
18812             }%
18813         }%
18814     }%
18815 }%
18816 }%
18817 }%
18818 }%
18819 }%
18820 }%
18821 }%
18822 }{%
18823     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18824 }%
18825 }{}%
18826 \@ifundefined{scr@tso@#1@numwidth}{%
18827     \@ifundefined{scr@#1@tocnumwidth}{%
18828         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18829             \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18830                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18831                     \scr@ifundefinedorrelax{chapter}{%
18832                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18833                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18834                                 \ifstr{#1}{subsubsection}{%
18835                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
18836                                 }{%
18837                                     \ifstr{#1}{paragraph}{%
18838                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
18839                                     }{%
18840                                         \ifstr{#1}{subparagraph}{%
18841                                             \@namedef{scr@tso@#1@numwidth}{5em}%
18842                                         }{%
18843                                             }%
18844                                         }%
18845                                     }%
18846                                 }%
18847                             }%
18848                         }{%
18849                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18850                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
18851                                     \ifstr{#1}{subsubsection}{%
18852                                         \@namedef{scr@tso@#1@numwidth}{3.1em}%
18853                                     }{%
18854                                         \ifstr{#1}{paragraph}{%
18855                                             \@namedef{scr@tso@#1@numwidth}{5em}%
18856                                         }{%

```



```

18857             \ifstr{#1}{subparagraph}{%
18858                 \@namedef{scr@tso@#1@numwidth}{6em}%
18859             }{%
18860             }%
18861         }%
18862     }%
18863 }%
18864 }%
18865 }%
18866 }%
18867 }%
18868 }%
18869 }{%
18870     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
18871 }%
18872 }{%}%
18873 }]{%
18874     \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
18875         \ifnum \@nameuse{#1tocdepth}<\@ne
18876             \scr@ifundefinedorrelax{chapter}{%
18877                 \addpenalty\@secpenalty
18878                 \addvspace{1.0em \@plus\p@}%
18879             }{%
18880                 \addpenalty{-\@highpenalty}%
18881                 \vskip 1.0em \@plus\p@
18882             }%
18883         \else
18884             \addpenalty\@secpenalty
18885             \addvspace{1.0em \@plus\p@}%
18886         \fi
18887         \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
18888         \begingroup
18889             \parindent \z@ \bidi@rightskip \@pnumwidth
18890             \parfillskip -\@pnumwidth
18891             \leavevmode
18892             \bfseries
18893             \advance\bidi@leftskip\@tempdima
18894             \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
18895             \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
18896             ##1%
18897             \nobreak
18898             \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
18899             \par
18900             \penalty\@highpenalty
18901         \endgroup
18902     \fi
18903 }
18904
18905 \bidi@undef\scr@dte@def@l@largetocline
18906 \bidi@undef\scr@dte@largetocline@init

```



```

18907 \DeclareTOCEntryStyle{largetocline}[{%
18908   \DefineTOCEntryLengthOption{indent}%
18909   {scr@tso@}{@indent}{entry indent}%
18910   \@ifundefined{#1tocdepth}{%
18911     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18912       \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18913         \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18914           \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18915             \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18916               \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18917                 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
18918                   \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
18919                     \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
18920                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
18921                         \csname #1numdepth\endcsname
18922                     }%
18923                   }%
18924                 }%
18925               }%
18926             }%
18927           }%
18928         }%
18929       }%
18930     }%
18931   }{}%
18932   \@ifundefined{scr@tso@#1@indent}{%
18933     \@ifundefined{scr@#1@tocindent}{%
18934       \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18935         \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18936           \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18937             \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18938               \scr@ifundefinedorrelax{1@chapter}{%
18939                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18940                   \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18941                     \ifstr{#1}{subsubsection}{%
18942                       \@namedef{scr@tso@#1@indent}{3.8em}%
18943                     }{%
18944                       \ifstr{#1}{paragraph}{%
18945                         \@namedef{scr@tso@#1@indent}{7em}%
18946                       }{%
18947                         \ifstr{#1}{subparagraph}{%
18948                           \@namedef{scr@tso@#1@indent}{10em}%
18949                         }{%
18950                           }%
18951                         }%
18952                       }%
18953                     }%
18954                   }%
18955                 }{%
18956                   \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%

```



```

18957         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18958         \ifstr{#1}{subsubsection}{%
18959         \@namedef{scr@tso@#1@indent}{7.0em}%
18960         }{%
18961         \ifstr{#1}{paragraph}{%
18962         \@namedef{scr@tso@#1@indent}{10em}%
18963         }{%
18964         \ifstr{#1}{subparagraph}{%
18965         \@namedef{scr@tso@#1@indent}{12em}%
18966         }{%
18967         }%
18968         }%
18969         }%
18970         }%
18971         }%
18972         }%
18973         }%
18974         }%
18975         }%
18976         }%
18977     }{%
18978     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18979     }%
18980     }{}%
18981 }}{%
18982     \ifnum \c@tocdepth > \numexpr \@nameuse{#1tocdepth} - \one \relax
18983     \ifnum \@nameuse{#1tocdepth} < \one
18984     \scr@ifundefinedorrelax{chapter}{%
18985     \addpenalty\@secpenalty
18986     \addvspace{2.25em \@plus\p@}%
18987     }{%
18988     \addpenalty{-\@highpenalty}%
18989     \addvspace{2.25em \@plus\p@}%
18990     }%
18991     \else
18992     \addpenalty\@secpenalty
18993     \addvspace{2.25em \@plus\p@}%
18994     \fi
18995     \setlength\@tempdima{3em}%
18996     \begingroup
18997     \parindent \z@ \bidi@rightskip \@pnumwidth
18998     \parfillskip -\@pnumwidth
18999     \leavevmode
19000     \large
19001     \bfseries
19002     \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19003     ##1%
19004     \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19005     \par
19006     \nobreak

```



```

19007     \ifnum 0=
19008         \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
19009         \global\@nobreaktrue
19010         \everypar{\global\@nobreakfalse\everypar{}}%
19011     \fi
19012 \endgroup
19013 \fi
19014 }
19015
19016 \renewcommand*{\scr@dte@tocline}[3]{%
19017     \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
19018     \else
19019         \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
19020         \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
19021     {%
19022         \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
19023         \bidi@rightskip \@tocrmarg
19024         \parfillskip -\bidi@rightskip
19025         \@nameuse{Ifscr@tso@#1@raggedpage}{%
19026             \addtolength{\parfillskip}{\z@ \@plus 1fil}%
19027         }{}%
19028         \parindent \@nameuse{scr@tso@#1@indent}\relax
19029         \@afterindenttrue
19030         \interlinepenalty\@M
19031         \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
19032             \addtolength\bidi@rightskip\@flushglue
19033         \else
19034             \def\reserved@a{\raggedright}%
19035             \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19036                 \addtolength\bidi@rightskip\@flushglue
19037             \else
19038                 \renewcommand\reserved@a{\raggedright}%
19039                 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19040                     \addtolength\bidi@rightskip\@flushglue
19041                 \fi
19042             \fi
19043         \fi
19044     \leavevmode
19045     \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19046     \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19047         \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{%
19048             \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19049                 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19050             \fi
19051         }%
19052     }{}%
19053     \advance\bidi@leftskip \@tempdima
19054     \null\nobreak\hskip -\bidi@leftskip
19055     {%
19056         \usetocbasicnumberline

```



```

19057 \let\scr@dte@numberline@box\numberline@box
19058 \def\numberline@box##1{%
19059 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19060 \global\scr@dte@tocline@numberwidth
19061 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19062 \ifdim \scr@dte@tocline@numberwidth
19063 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19064 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19065 \fi
19066 \@nameuse{Ifscr@tso@#1@dynnumwidth}{}%
19067 \ifdim \scr@dte@tocline@numberwidth
19068 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
19069 +\@nameuse{scr@tso@#1@numsep}\relax
19070 \PackageWarning{tocbasic}%
19071 }{%
19072 number width of #1 toc entries should be
19073 increased!\MessageBreak
19074 Currently used number width =
19075 \the\wd\scr@dte@tocline@numbox,\MessageBreak
19076 Wanted number separation
19077 \space\space\space =
19078 \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19079 Reserved number width \space\space\space\space\space\space =
19080 \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
19081 }%
19082 \fi
19083 }%
19084 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19085 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
19086 {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
19087 }{}}%
19088 }%
19089 \@nameuse{scr@tso@#1@entryformat}{%
19090 #2%
19091 \nobreak
19092 {%
19093 \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
19094 \nobreak
19095 \@nameuse{scr@tso@#1@pagenumberbox}{%
19096 \@nameuse{scr@tso@#1@pagenumberformat}}{#3}%
19097 }%
19098 }%
19099 \@par
19100 }%
19101 }%
19102 }%
19103 \tocbasic@SetPenaltyByTOCLevel{#1}%
19104 \fi
19105 }
19106

```



```

19107 \bidi@undef\scr@dte@def@l@tocline
19108 \bidi@undef\scr@dte@tocline@init
19109 \DeclareTOCEntryStyle{tocline}{%
19110   \DefineTOCEntryLengthOption{beforeskip}%
19111   {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19112   \DefineTOCEntryIfOption{breakafternumber}%
19113   {scr@tso@}{@breakafternumber}{line break after number flag}%
19114   \DefineTOCEntryIfOption{dynnumwidth}%
19115   {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
19116   \DefineTOCEntryCommandOption{entryformat}%
19117   {scr@tso@}{@entryformat}[1]{entry format}%
19118   \DefineTOCEntryCommandOption{entrynumberformat}%
19119   {scr@tso@}{@numberformat}[1]{entry number format}%
19120   \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
19121   {scr@tso@}{@linefill}{filling between text and page number}%
19122   \DefineTOCEntryLengthOption{numsep}%
19123   {scr@tso@}{@numsep}{entry number separation}%
19124   \DefineTOCEntryCommandOption{onstarthigherlevel}%
19125   {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
19126   \DefineTOCEntryCommandOption{onstartlowerlevel}%
19127   {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19128   \DefineTOCEntryCommandOption{onstartsamelevel}%
19129   {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
19130   \DefineTOCEntryCommandOption{pagenumberbox}%
19131   {scr@tso@}{@pagenumberbox}[1]{page number box}%
19132   \DefineTOCEntryCommandOption{pagenumberformat}%
19133   {scr@tso@}{@pagenumberformat}[1]{page number format}%
19134   \DefineTOCEntryOption{raggedentrytext}[true]{%
19135     \FamilySetBool{KOMAarg}{raggedentrytext}{@tempswa}{##1}%
19136     \ifx\FamilyKeyState\FamilyKeyStateProcessed
19137       \if@tempswa
19138         \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19139         \raggedright
19140       \else
19141         \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19142         \relax
19143       \fi
19144     \fi
19145   }%
19146   \DefineTOCEntryIfOption{raggedpagenumber}%
19147   {scr@tso@}{@raggedpage}{page number ragged flag}%
19148   \DefineTOCEntryLengthOption{indent}%
19149   {scr@tso@}{@indent}{entry indent}%
19150   \DefineTOCEntryLengthOption{numwidth}%
19151   {scr@tso@}{@numwidth}{entry number width}%
19152   \scr@ifundefinedorrelax{#1}{tocdepth}{%
19153     \ifstrstart{#1}{sub}{%
19154       \scr@ifundefinedorrelax{\scr@dte@nosub{#1}{tocdepth}}{-%
19155         \expandafter\edef\csname #1tocdepth\endcsname{%
19156           \the\numexpr \noexpand\nameuse{\scr@dte@nosub{#1}{tocdepth}}+\@ne\relax

```



```

19157     }%
19158   }%
19159 }{}%
19160 }{}%
19161 \@ifundefined{#1tocdepth}{%
19162   \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19163     \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19164       \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19165         \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19166           \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19167             \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19168               \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19169                 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19170                   \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19171                     \expandafter\let\csname #1tocdepth\expandafter\endcsname
19172                       \csname #1numdepth\endcsname
19173                   }%
19174                 }%
19175               }%
19176             }%
19177           }%
19178         }%
19179       }%
19180     }%
19181   }%
19182 }{}%
19183 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
19184   \@ifundefined{scr@#1@tocindent}{%
19185     \ifstrstart{#1}{sub}{%
19186       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
19187         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
19188         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19189           \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19190           \relax
19191         }%
19192       }%
19193     }{%
19194       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
19195         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19196           \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19197           \relax
19198         }%
19199       }{%
19200         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19201           \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19202             +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19203           \relax
19204         }%
19205       }%
19206     }%

```



```

19207     }{}%
19208   }{%
19209     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19210   }%
19211 }{}%
19212 \@ifundefined{scr@tso@#1@indent}{%
19213   \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19214     \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19215       \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19216         \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19217           \scr@ifundefinedorrelax{1@chapter}{%
19218             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19219               \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19220                 \ifstr{#1}{subsubsection}{%
19221                   \@namedef{scr@tso@#1@indent}{3.8em}%
19222                 }{%
19223                   \ifstr{#1}{paragraph}{%
19224                     \@namedef{scr@tso@#1@indent}{7em}%
19225                   }{%
19226                     \ifstr{#1}{subparagraph}{%
19227                       \@namedef{scr@tso@#1@indent}{10em}%
19228                     }{%
19229                       }%
19230                     }%
19231                   }%
19232                 }%
19233               }%
19234             }{%
19235               \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19236                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19237                   \ifstr{#1}{subsubsection}{%
19238                     \@namedef{scr@tso@#1@indent}{7.0em}%
19239                   }{%
19240                     \ifstr{#1}{paragraph}{%
19241                       \@namedef{scr@tso@#1@indent}{10em}%
19242                     }{%
19243                       \ifstr{#1}{subparagraph}{%
19244                         \@namedef{scr@tso@#1@indent}{12em}%
19245                       }{%
19246                         }%
19247                       }%
19248                     }%
19249                   }%
19250                 }%
19251               }%
19252             }%
19253           }%
19254         }%
19255       }%
19256     }{}%

```



```

19257 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19258   \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19259     \ifstrstart{#1}{sub}{%
19260       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
19261       \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19262         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19263           +.9em%
19264       }
19265     }%
19266   }%
19267 }{%
19268 }{%
19269   \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19270 }%
19271 }{%
19272 \@ifundefined{scr@tso@#1@numwidth}{%
19273   \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19274     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19275       \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19276         \scr@ifundefinedorrelax{chapter}{%
19277           \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19278             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19279               \ifstr{#1}{subsubsection}{%
19280                 \@namedef{scr@tso@#1@numwidth}{3.2em}%
19281               }{%
19282                 \ifstr{#1}{paragraph}{%
19283                   \@namedef{scr@tso@#1@numwidth}{4.1em}%
19284                 }{%
19285                   \ifstr{#1}{subparagraph}{%
19286                     \@namedef{scr@tso@#1@numwidth}{5em}%
19287                   }{%
19288                     }%
19289                   }%
19290                 }%
19291               }%
19292             }%
19293           }{%
19294             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19295               \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19296                 \ifstr{#1}{subsubsection}{%
19297                   \@namedef{scr@tso@#1@numwidth}{3.1em}%
19298                 }{%
19299                   \ifstr{#1}{paragraph}{%
19300                     \@namedef{scr@tso@#1@numwidth}{5em}%
19301                   }{%
19302                     \ifstr{#1}{subparagraph}{%
19303                       \@namedef{scr@tso@#1@numwidth}{6em}%
19304                     }{%
19305                       }%
19306                     }%

```



```

19307         }%
19308     }%
19309 }%
19310     }%
19311 }%
19312     }%
19313 }%
19314 }{}%
19315 \expandafter\renewcommand%
19316 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
19317 \expandafter\renewcommand%
19318 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
19319 \expandafter\renewcommand%
19320 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
19321 \@ifundefined{scr@tso@#1@beforeskip}{%
19322     \ifstr{#1}{part}{%
19323         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
19324     }{%
19325         \ifstr{#1}{chapter}{%
19326             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19327         }{%
19328             \ifstr{#1}{section}{%
19329                 \scr@ifundefinedorrelax{1@chapter}{%
19330                     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19331                 }{}%
19332             }{}%
19333         }%
19334     }%
19335     \expandafter\renewcommand\expandafter*%
19336     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
19337 }{}%
19338 \@ifundefined{scr@dte@#1@maxnumwidth}{%
19339     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
19340     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
19341 }{}%
19342 \renewcommand*{\scr@dte@donumwidth}{}%
19343 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
19344 \expandafter\renewcommand\expandafter*%
19345 \csname scr@tso@#1@numsep\endcsname{.4em}%
19346 \expandafter\renewcommand%
19347 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
19348 \ifstr{#1}{part}{%
19349     \expandafter\renewcommand%
19350     \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
19351 }{%
19352     \ifstr{#1}{chapter}{%
19353         \expandafter\renewcommand%
19354         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19355     }{%
19356         \scr@ifundefinedorrelax{1@chapter}{%

```



```

19357         \ifstr{#1}{section}{%
19358             \expandafter\renewcommand%
19359             \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19360         }{}%
19361     }{}%
19362     \expandafter\renewcommand%
19363     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
19364 }%
19365 }%
19366 \expandafter\renewcommand
19367 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
19368 \@ifundefined{scr@tso@#1@linefill}{%
19369     \ifstr{#1}{part}{%
19370         \@namedef{scr@tso@#1@linefill}{\hfill}%
19371     }{%
19372         \ifstr{#1}{chapter}{%
19373             \@namedef{scr@tso@#1@linefill}{\hfill}%
19374         }{%
19375             \scr@ifundefinedorrelax{1@chapter}{%
19376                 \ifstr{#1}{section}{%
19377                     \@namedef{scr@tso@#1@linefill}{\hfill}%
19378                 }{}
19379             }{}
19380             \expandafter\renewcommand%
19381             \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
19382         }%
19383     }%
19384 }{}%
19385 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
19386 \ifstr{#1}{part}{%
19387     \expandafter\renewcommand%
19388     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
19389 }{%
19390     \expandafter\renewcommand%
19391     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19392         {\normalfont\normalcolor ##1}}%
19393 }%
19394 \expandafter\renewcommand%
19395 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
19396     \hb@xt@\@pnumwidth{\hfil ##1}}%
19397 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
19398 }}{%
19399     \scr@dte@tocline{#1}{##1}{##2}%
19400 }
19401

```

7.119 tocstyle-xetex-bidi.def

```

19402 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
19403 \renewcommand*{\tocstyle@dottedtocline}[5]{%

```



```

19404 \let\numberline\tocstyle@numberline
19405 \ifnum #1>\c@tocdepth \else
19406   \if@tocstyle@penalties
19407     \begingroup
19408       \@tempcnta 20010
19409       \advance \@tempcnta by -#1
19410       \ifnum \@tempcnta>\lastpenalty
19411         \aftergroup\penalty\aftergroup\@lowpenalty
19412       \fi
19413     \endgroup
19414   \fi
19415   \edef\tocstyledepth{#1}%
19416   \tocstyle@activate@features
19417   \ifx\tocstyle@feature@entryvskip\relax
19418     \vskip \z@ \@plus.2\p@
19419   \else
19420     \addvspace{\tocstyle@feature@entryvskip}%
19421   \fi
19422   {%
19423     \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else
19424     \tocstyle@feature@raggedhook
19425     \@tempdima #3\relax
19426     \@tempdimb #2\relax
19427     \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19428     \ifnum #1>\z@\relax
19429       \@tempcnta #1\relax \advance\@tempcnta \m@ne
19430       \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19431         \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19432           \@tempdimb
19433           \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19434           \advance\@tempdimb
19435           \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19436         \fi
19437       \fi
19438     \fi
19439     \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19440     \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
19441       \ifdim \@tempdimb>
19442         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
19443         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19444           @#1\endcsname{\the\@tempdimb}%
19445       \fi
19446     \else
19447       \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19448         @#1\endcsname{\the\@tempdimb}%
19449     \fi
19450     \iftocstyle@autolength
19451       \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19452         \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19453         \relax

```



```

19454 \fi
19455 \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19456 \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19457 \relax
19458 \fi
19459 \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19460 \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19461 \else
19462 \@tempdimb #2\relax
19463 \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19464 \fi
19465 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
19466 \ifdim \@tempdima>
19467 \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
19468 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19469 @\endcsname{\the\@tempdima}%
19470 \fi
19471 \else
19472 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19473 @\endcsname{\the\@tempdima}%
19474 \fi
19475 \ifcase\tocstyle@indentstyle\relax\else
19476 \@tempdimb \z@
19477 \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19478 \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19479 \relax
19480 \fi
19481 \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19482 \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19483 \fi
19484 \advance\parindent \@tempdimb\@afterindenttrue
19485 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
19486 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19487 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19488 \ifx\tocstyle@feature@parfillskip\relax\else
19489 \advance\parfillskip \tocstyle@feature@parfillskip\relax
19490 \fi
19491 \interlinepenalty\@M
19492 \leavevmode
19493 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
19494 \null\nobreak
19495 \iftocstyle@indentnotnumbered\else
19496 \hskip -\if@RTL\rightskip\else\leftskip\fi
19497 \fi
19498 \tocstyle@feature@entryhook
19499 {#4}\nobreak
19500 \ifx\tocstyle@feature@leaders\relax
19501 \leaders\hbox{$\m@th
19502 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
19503 \mkern \@dotsep mu$}\hfill

```



```

19504     \else
19505         \tocstyle@feature@leaders
19506     \fi
19507     \nobreak
19508     \ifx\tocstyle@feature@pagenumberbox\relax
19509         \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
19510     \else
19511         \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
19512     \fi
19513     \par
19514 }%
19515 \if\tocstyle@penalties
19516     \bgroup
19517         \@tempcnta 20009
19518         \advance\@tempcnta by -#1
19519         \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
19520     \reserved@a
19521 \fi
19522 \fi}
19523 \renewcommand*{\tocstyle@numberline}[1]{%
19524     \begingroup
19525         \ifx\tocstyle@feature@spaceafternumber\relax
19526             \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
19527         \else
19528             \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
19529             \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
19530         \fi
19531         \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
19532             \ifdim \@tempdima >
19533                 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
19534                 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19535                     @\tocstyledepth\endcsname{\the\@tempdima}%
19536             \fi
19537         \else
19538             \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19539                 @\tocstyledepth\endcsname{\the\@tempdima}%
19540             \fi
19541     \endgroup
19542     \iftocstyle@indentnotnumbered
19543         \hskip -\if@RTL\rightskip\else\leftskip\fi
19544     \fi
19545     \ifcase \tocstyle@indentstyle
19546         \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
19547     \or
19548         \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
19549     \else
19550         \ifx\tocstyle@feature@spaceafternumber\relax
19551             \hbox{\tocstyle@@numberline{#1}\enskip}%
19552         \else
19553             \hbox{\tocstyle@@numberline{#1}\hskip

```



```

19554         \tocstyle@feature@spaceafternumber\relax}%
19555     \fi
19556 \fi
19557 }
19558 \AtBeginDocument{%
19559     \ifcsname l@part\endcsname
19560         \ifcsname l@chapter\endcsname
19561             \setbox\@tempboxa\vbox{\hsize\maxdimen
19562                 \l@part{\tocstyle@l@define{part}{-1}}{}}%
19563         \else
19564             \setbox\@tempboxa\vbox{\hsize\maxdimen
19565                 \l@part{\tocstyle@l@define{part}{0}}{}}%
19566         \fi
19567 \fi
19568 \ifcsname l@chapter\endcsname
19569     \setbox\@tempboxa\vbox{\hsize\maxdimen
19570         \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
19571 \fi
19572 \ifcsname l@section\endcsname
19573     \setbox\@tempboxa\vbox{\hsize\maxdimen
19574         \l@section{\tocstyle@l@define{section}{1}}{}}%
19575 \fi
19576 \ifcsname l@subsection\endcsname
19577     \setbox\@tempboxa\vbox{\hsize\maxdimen
19578         \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
19579 \fi
19580 \ifcsname l@subsubsection\endcsname
19581     \setbox\@tempboxa\vbox{\hsize\maxdimen
19582         \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
19583 \fi
19584 \ifcsname l@paragraph\endcsname
19585     \setbox\@tempboxa\vbox{\hsize\maxdimen
19586         \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
19587 \fi
19588 \ifcsname l@subparagraph\endcsname
19589     \setbox\@tempboxa\vbox{\hsize\maxdimen
19590         \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
19591 \fi
19592 \ifcsname l@table\endcsname
19593     \setbox\@tempboxa\vbox{\hsize\maxdimen
19594         \l@table{\tocstyle@l@define{table}{1}}{}}%
19595 \fi
19596 \ifcsname l@figure\endcsname
19597     \setbox\@tempboxa\vbox{\hsize\maxdimen
19598         \l@figure{\tocstyle@l@define{figure}{1}}{}}%
19599 \fi
19600 \def\@tempa#1#2#3#4#5{%
19601     \ifnum #1>\c@tocdepth \else
19602         \vskip \z@ \@plus.2\p@
19603         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@ocrm

```



```

19604      \parindent #2\relax\@afterindenttrue
19605      \interlinepenalty\@M
19606      \leavevmode
19607      \@tempdima #3\relax
19608      \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
19609      {#4}\nobreak
19610      \leaders\hbox{$\m@th
19611      \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
19612      mu$}\hfill
19613      \nobreak
19614      \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
19615      \par}%
19616      \fi}%
19617      \ifx\@dottedtocline\@tempa\else
19618      \tocstyle@macrochangewarning\@dottedtocline
19619      \fi
19620      \let\tocstyle@saved@dottedtocline\@dottedtocline
19621      \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
19622      \ifx\numberline\@tempa\else
19623      \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
19624      \ifx\numberline\@tempa\else
19625      \tocstyle@macrochangewarning\numberline
19626      \fi
19627      \fi
19628      \let\tocstyle@saved@numberline\numberline
19629  }
19630  \renewcommand*{\tocstyle@l@define}[2]{%
19631    \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
19632    \edef\@tempa{%
19633      \noexpand\global\noexpand\let
19634      \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
19635      \expandafter\noexpand\csname l@#1\endcsname
19636      \noexpand\gdef
19637      \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
19638        \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
19639        \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
19640          \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
19641          \expandafter\noexpand\csname tocstyle@l@#1\endcsname
19642        }%
19643      }%
19644      \PackageInfo{tocstyle}{prepare \expandafter\string
19645      \csname l@#1\endcsname\space for redefinition}%
19646      \@tempa
19647  }

```

7.120 todonotes-xetex-bidi.def

```

19648 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
19649 \newif\if@bidi@todonotes@textdirection@RTL
19650 \newif\if@bidi@todonotes@figposition@right

```



```

19651 \newcommand{\@bidi@todonotes@align}{}%
19652 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
19653 \newcommand{\@bidi@todonotes@textdirection}{}%
19654 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
19655 \ifcase\@bidi@todonotes@tempb\relax
19656 \@bidi@todonotes@textdirection@RTLtrue
19657 \let\@bidi@todonotes@textdirection\RL
19658 \or
19659 \@bidi@todonotes@textdirection@RTLfalse
19660 \let\@bidi@todonotes@textdirection\LR
19661 \fi}
19662 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
19663 \ifcase\@bidi@todonotes@tempb\relax
19664 \@bidi@todonotes@figposition@righttrue
19665 \or
19666 \@bidi@todonotes@figposition@rightfalse
19667 \fi}
19668 \if@todonotes@disabled%
19669 \else % \if@todonotes@disabled
19670 \renewcommand{\@todonotes@drawInlineNote}{%
19671 \if@todonotes@dviStyle%
19672 {\par\noindent\begin{tikzpicture}[remember picture]%
19673 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
19674 \if@todonotes@authorgiven%
19675 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19676 \else%
19677 {\noindent \@todonotes@sizecommand \@todonotes@text}%
19678 \fi
19679 {\par\noindent\begin{tikzpicture}[remember picture]%
19680 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
19681 \else%
19682 {\par\noindent\begin{tikzpicture}[remember picture]%
19683 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19684 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@al
19685 \if@todonotes@authorgiven%
19686 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19687 \else%
19688 {\noindent \@todonotes@sizecommand \@todonotes@text}%
19689 \fi};%
19690 \end{tikzpicture}\par}%
19691 \fi}%
19692 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
19693 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
19694 \node [coordinate] (inText) {};%
19695 \end{tikzpicture}%
19696 \marginpar[{} Draw note in left margin
19697 \@todonotes@drawMarginNote%
19698 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
19699 }]{% Draw note in right margin
19700 \@todonotes@drawMarginNote%

```



```

19701 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
19702 }%
19703 }%
19704 \renewcommand{\@todonotes@drawMarginNote}{%
19705 \if@todonotes@dviStyle%
19706 \begin{tikzpicture}[remember picture]%
19707 \draw node[notestyle] {};%
19708 \end{tikzpicture}%
19709 \begin{minipage}{\@todonotes@textwidth}%
19710 \if@todonotes@authorgiven%
19711 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
19712 \else%
19713 \@todonotes@sizecommand \@todonotes@text%
19714 \fi%
19715 \end{minipage}%
19716 \begin{tikzpicture}[remember picture]%
19717 \draw node[notestyle] (inNote) {};%
19718 \end{tikzpicture}%
19719 \else%
19720 \let\originalHbadness\hbadness%
19721 \hbadness 100000%
19722 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
19723 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19724 \node(X){\vphantom{X}};%
19725 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
19726 {\@todonotes@text};%
19727 \if@todonotes@authorgiven%
19728 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
19729 {\@todonotes@sizecommand\@todonotes@author};%
19730 \node(Y)[below=of X]{};%
19731 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
19732 {\@todonotes@text};%
19733 \else%
19734 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
19735 {\@todonotes@text};%
19736 \fi%
19737 \end{tikzpicture}%
19738 \hbadness \originalHbadness%
19739 \fi}%
19740 \renewcommand{\missingfigure}[2][{}]{%
19741 \setkeys{todonotes}{#1}%
19742 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
19743 \par
19744 \noindent
19745 \begin{tikzpicture}
19746 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
19747 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
19748 \if@bidi@todonotes@figposition@right%
19749 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
19750 \fi%

```



```

19751 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
19752     (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
19753 \if@bidi@todonotes@figposition@right%
19754 \end{scope}
19755 \begin{scope}[xshift=-3.8cm]
19756 \fi%
19757 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19758 \draw (2, -0.3) node[right, text
19759     width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
19760 \if@bidi@todonotes@figposition@right%
19761 \end{scope}
19762 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
19763 \fi%
19764 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
19765 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
19766 \if@bidi@todonotes@figposition@right%
19767 \end{scope}
19768 \fi%
19769 \end{tikzpicture}\hfill
19770 }% Ending \missingfigure command
19771 \fi % Ending \@todonotes@ifdisabled
19772 \presetkeys%
19773     {todonotes}%
19774     {align=left,%
19775     textdirection=lefttoright,%
19776     figposition=left}{}%

```

7.121 wrapfig-xetex-bidi.def

```

19777 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for
19778 \let\WF@@everypar\bidi@n@everypar
19779 \def\WF@putfigmaybe{%
19780 \ifinner
19781     \vskip-\parskip \global\WF@floatfalse
19782     \let\pagetotal\maxdimen % kludge flag for "not top of page"
19783 \else % outer page
19784     \@tempdima\pagedepth % save page depth
19785     {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
19786     \penalty\interlinepenalty % update pg. parameters
19787     \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
19788     \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
19789         \global\WF@floatfalse
19790         \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
19791     \else
19792         \ifdim\WF@size>\@tempdimb
19793             \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
19794             \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
19795             \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
19796             \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
19797             \advance\dimen@.5\baselineskip

```



```

19798         \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
19799         \global\WF@floatfalse \pagebreak
19800         \fi
19801         \else % \WF@info{Fits in \the\@tempdimb;}%
19802         \global\WF@floatfalse
19803         \fi\fi
19804         \vskip\@tempdima\relax % (return erased page depth)
19805     \fi
19806     \noindent
19807     \ifWF@float
19808         \WF@fltnes
19809     \else % putting here;
19810         \WF@info{Put \WF@wfname here:}%
19811         {\ifodd\if@twoside\c@page\else\one\fi % assign l/r to i/o placement
19812          \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
19813          \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
19814          \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
19815          \@tempdima\wd\WF@box \@tempdimb\WF@ovh
19816          \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
19817          \@tempdimb\hsize \advance\@tempdimb-\@tempdima
19818          \xdef\WF@adjlw{\the\@tempdima}%
19819          \ifnum `l=\WF@place % fig on left
19820              \if@RTL%
19821                  \kern\@tempdimb \kern\columnsep
19822                  \def\@tempa{\hss}% position to left of the gap
19823                  \else%
19824                      \hss % figure overlaps space to the left
19825                      \def\@tempa{\kern\columnsep}% position to left of the gap
19826                  \fi%
19827              \else % fig on right
19828                  \if@RTL%
19829                      \hss
19830                      \@tempdima\z@
19831                      \def\@tempa{\kern\columnsep}
19832                  \else%
19833                      \@tempdima\z@ % no left indentation
19834                      \kern\@tempdimb \kern\columnsep
19835                      \def\@tempa{\hss}% figure overlaps space to the right
19836                  \fi%
19837              \fi
19838          \ifdim\@tempdimb<\hsize
19839              \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
19840              \xdef\WF@adjtlm{\the\@tempdima}%
19841          \else
19842              \xdef\WF@wrapil{\z@ \the\hsize}%
19843              \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
19844          \fi
19845          \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
19846              \global\advance\WF@size-\intextsep
19847          \else % \WF@info{Putting \WF@wfname in middle of page}%

```



```

19848 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
19849 \fi \dp\WF@box\z@ \box\WF@box \@tempa
19850 }% end \hbox to Opt
19851 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
19852 \fi}

```

7.122 xcolor-xetex-bidi.def

```

19853 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for ]
19854 \long\def\color@b@x#1#2#3%
19855 {\leavevmode\ifmmode\else\ifRTL\beginL\fi\fi
19856 \setbox\z@\hbox{\kern\fbboxsep\set@color\ifRTL\beginR\fi#3\ifRTL\endR\fi}\kern\fbboxsep}%
19857 \dimen@ht\z@advance\dimen@\fbboxsep\ht\z@\dimen@
19858 \dimen@dp\z@advance\dimen@\fbboxsep\dp\z@\dimen@
19859 {\if#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}\ifmmode\else\ifRTL\endL\fi\fi}
19860 \def\normalcolor{\let\currentcolor\defaultcolor\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi}
19861 \DeclareRobustCommand\color
19862 {\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor}
19863 \def\@undeclaredcolor[#1]#2%
19864 {\begingroup
19865 \let\@cls\@empty
19866 \XC@getmodclr12{#1}{#2}{}%
19867 {\ifblendcolors
19868 \ifx\colorblend\@empty\else
19869 \edef\@cmix{\expandafter@gobble\colorblend}\@tempswafalse
19870 \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
19871 \fi
19872 \fi
19873 \ifconvertcolorsU
19874 \edef\@tmp{\XC@tgt@mod{\@mod}}%
19875 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
19876 \fi
19877 \ifmaskcolors
19878 \convertcolorspec\@mod\@clr\XC@mmod\@clr
19879 \let\@mod\XC@mmod
19880 \XC@inflate\@mod\XC@mclr\@clr\@tmp
19881 \expandafter\XC@mul\@tmp,\@clr
19882 \fi
19883 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
19884 \expandafter\endgroup\@tmp}}
19885 \def\@declaredcolor#1%
19886 {\XC@edef\XC@tmp{#1}\XC@tstfalse
19887 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
19888 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
19889 \ifconvertcolorsU\XC@tsttrue\fi
19890 \fi
19891 \if\XC@tst
19892 \expandafter\XC@declaredcolor\else
19893 \expandafter\XC@declaredcolor\fi}
19894 \def\XC@undeclaredcolor#1#2%

```



```

19895 {\@ifundefinedmodel{#1}%
19896   {\c@lor@error{model `#1'}}}%
19897   {\@nameuse{color@#1}\current@color{#2}%
19898     \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
19899     \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
19900 \def\XC@declaredc@lor
19901   {\XC@let@Nc\XC@current@color{\string\color@\XC@@tmp}%
19902     \edef\current@color{\XC@current@color}%
19903     \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
19904 \DeclareRobustCommand\bidicolor
19905   {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
19906 \def\@bidiundeclaredcolor[#1]#2%
19907   {\begingroup
19908     \let\@cls\@empty
19909     \XC@getmodclr12{#1}{#2}{}%
19910     {\ifblendcolors
19911       \ifx\colorblend\@empty\else
19912         \edef\@mix{\expandafter@gobble\colorblend}\@tempwafalse
19913         \XC@coremodel\@mod\@clr\xcolor@{ }\@mod\@clr
19914       \fi
19915     \fi
19916     \ifconvertcolorsU
19917       \edef\@tmp{\XC@tgt@mod{\@mod}}%
19918       \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
19919     \fi
19920     \ifmaskcolors
19921       \convertcolorspec\@mod\@clr\XC@mmod\@clr
19922       \let\@mod\XC@mmod
19923       \XC@inflate\@mod\XC@mclr\@clr\@tmp
19924       \expandafter\XC@mul\@tmp,\@clr
19925     \fi
19926     \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
19927     \expandafter\endgroup\@tmp}}
19928 \def\XC@bidiundeclaredcolor#1#2%
19929   {\@ifundefinedmodel{#1}%
19930     {\c@lor@error{model `#1'}}}%
19931     {\@nameuse{color@#1}\current@color{#2}%
19932       \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
19933       \XC@display}}
19934 \def\@bidideclaredcolor#1%
19935   {\XC@edef\XC@@tmp{#1}\XC@@tstfalse
19936     \ifcase\XC@type\XC@@tmp\relax \XC@@tsttrue\or \relax\else
19937       \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
19938       \ifconvertcolorsU\XC@@tsttrue\fi
19939     \fi
19940     \if\XC@@tst
19941       \expandafter\XC@bidideclaredcolor\else
19942       \expandafter\XC@bidideclaredc@lor\fi}
19943 \def\XC@bidideclaredcolor
19944   {\XC@split\XC@@tmp

```



```

19945 \edef\@@tmp{\noexpand\@bidiundeclaredcolor[\@@mod]{\@clr}}%
19946 \expandafter\endgroup\@@tmp}
19947 \def\XC@bidiundeclaredcolor
19948 {\XC@let\Nc\XC@current@color{\string\color\XC@tmp}%
19949 \edef\current@color{\XC@current@color}%
19950 \XC@display}
19951 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
19952 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
19953 \def\color@fb@x#1#2#3#4%
19954 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
19955 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
19956 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.123 latex-xetex-bidi.def

```

19957 \ProvidesFile{latex-xetex-bidi.def}[2017/05/06 v1.2.9 bidi adaptations for 'latex.ltx' for X
19958 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
19959 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
19960 \TeXXeTOn
19961 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox
19962 \let\bidi@o@everypar=\everypar
19963 \newtoks\bidi@n@everypar
19964 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
19965 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
19966 \let\everypar=\bidi@n@everypar
19967 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
19968 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
19969 \protected\def\hboxR{\hbox\bgroup
19970 \everyhbox{%
19971 \aftergroup\egroup
19972 \everyhbox{}}%
19973 \beginR
19974 \@hboxRconstructtrue
19975 \bgroup
19976 \aftergroup\endR
19977 \aftergroup\egroup
19978 }\hbox}
19979 \protected\def\hboxL{\hbox\bgroup
19980 \everyhbox{%
19981 \aftergroup\egroup
19982 \everyhbox{}}%
19983 \beginL
19984 \@hboxRconstructfalse
19985 \bgroup
19986 \aftergroup\endL
19987 \aftergroup\egroup
19988 }\hbox}
19989 \protected\def\vboxR{\vbox\bgroup
19990 \everyvbox{%
19991 \aftergroup\egroup

```



```

19992 \everyvbox{}%
19993 \@RTLtrue
19994 \@RTLtabtrue
19995 \bgroup
19996 \aftergroup\egroup
19997 }\vbox}
19998 \protected\def\vboxL{\vbox\bgroup
19999 \everyvbox{%
20000 \aftergroup\egroup
20001 \everyvbox{}%
20002 \@RTLfalse
20003 \@RTLtabfalse
20004 \bgroup
20005 \aftergroup\egroup
20006 }\vbox}
20007 \newcommand*{\bidi@leftskip}{\if@RTL\rightskip\else\leftskip\fi}
20008 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\rightskip\fi}
20009 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
20010 \def\endLTR{\par}
20011 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
20012 \def\endRTL{\par}
20013 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue}
20014 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}
20015 \let\unsetRTL=\setLTR
20016 \let\unsetLTR=\setRTL
20017 \let\LR=\LRE
20018 \let\RL=\RLE
20019 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20020 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20021 \let\@ensure@RL=\@ensure@RTL
20022 \let\@ensure@LR=\@ensure@LTR
20023 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20024 \let\@ensure@maindir=\@ensure@dir
20025 \def\@RTL{RTL}
20026 \def\@LTR{LTR}
20027 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20028 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
20029 \let\@TeX\TeX
20030 \def\TeX{\@ensure@LTR{\@TeX}}
20031 \let\@LaTeX\LaTeX
20032 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
20033 \let\@LaTeXe\LaTeXe
20034 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
20035 \long\def\bidi@reflect@box#1{%
20036 \leavevmode
20037 \setbox\z@\hbox{#1}%
20038 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20039 \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
20040 }
20041 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex

```



```

20042 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
20043 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20044 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \LaTeX}}$}}
20045 \let\setRL=\setRTL
20046 \let\setLR=\setLTR
20047 \let\unsetRL=\setLTR
20048 \def\bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
20049 \ifpackageloaded{array}{%
20050 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20051 \leavevmode
20052 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
20053 \let\dollarend\endgroup
20054 \@tabarray}
20055 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
20056 }{%
20057 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20058 \leavevmode \hbox \bgroup
20059 $\left.\let\@acol\@tabacol
20060 \let\@classz\@tabclassz
20061 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20062
20063 \def\endbidi@tabular@RTLcases{\crcr\egroup\if@RTLtab\egroup\endR\egroup\fi
20064 \egroup\right\rbrace $\egroup}}
20065 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20066 \ialign{##\hfil$&\quad{##}\hfil\crcr#1\crcr}}\,\right\}}
20067 \renewenvironment{RTLcases}{%
20068 \bidi@matrix@check\RTLcases\env@RTLcases
20069 }{%
20070 \endbidi@tabular@RTLcases%
20071 }
20072 \def\env@RTLcases{%
20073 \let\@ifnextchar\bidi@new@ifnextchar
20074 \def\arraystretch{1.2}%
20075 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
20076 }
20077 \def\SepMark#1{\gdef\@SepMark{#1}}
20078 \SepMark{.}
20079 \def\@thmcountersep{\@SepMark}
20080 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20081 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20082 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
20083 \newcommand*{\bidi@thebibliography@font@hook}{}
20084 \def\list#1#2{%
20085 \ifnum \@listdepth >5\relax
20086 \toodeep
20087 \else
20088 \global\advance\@listdepth\@ne
20089 \fi
20090 \rightmargin\z@
20091 \listparindent\z@

```



```

20092 \itemindent\z@
20093 \csname @list\romannumeral\the\@listdepth\endcsname
20094 \def\@itemlabel{#1}%
20095 \let\makelabel\@mklab
20096 \@nmbrrlistfalse
20097 #2\relax
20098 \@trivlist
20099 \parskip\parsep
20100 \parindent\listparindent
20101 \advance\linewidth -\rightmargin
20102 \advance\linewidth -\leftmargin
20103 \if@bidi@list@minipage@parbox
20104 \if@RTL
20105 \advance\@totalleftmargin \leftmargin
20106 \else
20107 \advance\@totalleftmargin \rightmargin
20108 \fi
20109 \else
20110 \if@hboxRconstruct
20111 \if@bidi@list@minipage@parbox@not@nob
20112 \if@RTL
20113 \advance\@totalleftmargin \rightmargin
20114 \else
20115 \advance\@totalleftmargin \leftmargin
20116 \fi
20117 \else
20118 \if@RTL
20119 \advance\@totalleftmargin \leftmargin
20120 \else
20121 \advance\@totalleftmargin \rightmargin
20122 \fi\fi
20123 \else
20124 \if@RTL
20125 \advance\@totalleftmargin \rightmargin
20126 \else
20127 \advance\@totalleftmargin \leftmargin
20128 \fi\fi\fi
20129 \parshape \@ne \@totalleftmargin \linewidth
20130 \ignorespaces}
20131 \long\def\@iiiparbox#1#2[#3]#4#5{%
20132 \leavevmode
20133 \@pboxswfalse
20134 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
20135 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
20136 \setlength\@tempdima{#4}%
20137 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
20138 \ifx\relax#2\else
20139 \setlength\@tempdimb{#2}%
20140 \edef\@parboxto{to\the\@tempdimb}%
20141 \fi

```



```

20142 \if#1b\vbox
20143 \else\if #1t\vtop
20144 \else\ifmode\vcenter
20145 \else\@pboxswtrue $\vcenter
20146 \fi\fi\fi
20147 \@parboxto{\let\hss\vss\let\unhbox\unvbox
20148 \csname bm@#3\endcsname}%
20149 \if@pboxsw \m@th$\fi
20150 \@end@tempboxa}
20151 \def\bidi@lrbox#1{%
20152 \edef\reserved@a{%
20153 \endgroup
20154 \setbox#1\hbox{%
20155 \begingroup\aftergroup}%
20156 \def\noexpand\@currentenv{\@currentenv}%
20157 \def\noexpand\@currentline{\on@line}}%
20158 \reserved@a
20159 \@endpefalse
20160 \color@begingroup
20161 \ignorespaces}
20162 \def\endbidi@lrbox{\unskip\color@endgroup}
20163 \newenvironment{LTRitems}
20164 {\par\@RTLfalse\@RTLtabfalse
20165 \if@bidi@list@minipage@parbox
20166 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20167 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20168 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20169 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20170 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\
20171 \ignorespaces}{\vskip\z@}
20172 \newenvironment{RTLitems}
20173 {\par\@RTLtrue\@RTLtabtrue
20174 \if@bidi@list@minipage@parbox
20175 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20176 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20177 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20178 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20179 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\
20180 \ignorespaces}{\vskip\z@}
20181 \newenvironment{LTRbibitems}
20182 {\par\@RTLfalse\@RTLtabfalse
20183 \if@bidi@list@minipage@parbox
20184 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20185 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20186 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20187 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20188 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\
20189 \ignorespaces}{\vskip\z@}
20190 \newenvironment{RTLbibitems}
20191 {\par\@RTLtrue\@RTLtabtrue

```



```

20192         \if@bidi@list@minipage@parbox
20193         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20194         \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20195         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20196         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20197         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\
20198         \ignorespaces}{\vskip\z@}
20199 \def\raggedright{%
20200   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
20201   \leftskip\z@skip
20202   \parindent\z@\parfillskip\z@skip}
20203 \let\bidi@orig@raggedleft\raggedleft
20204 \let\bidi@orig@raggedright\raggedright
20205 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@hboxRcon
20206 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@hboxRcon
20207 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
20208 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
20209 \def\centerline#1{%
20210 \if@RTL\@@line{\hss\beginR#1\endR\hss}
20211 \else\@@line{\hss#1\hss}\fi}
20212 \def\leftline#1{%
20213 \if@RTL\@@line{\beginR#1\endR\hss}
20214 \else\@@line{#1\hss}\fi}
20215 \def\rightline#1{%
20216 \if@RTL\@@line{\hss\beginR#1\endR}
20217 \else\@@line{\hss#1}\fi}
20218 \let\bidi@orig@leftline\leftline
20219 \let\bidi@orig@rightline\rightline
20220 \def\leftline#1{\ifhmode\if@RTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\i
20221 \def\rightline#1{\ifhmode\if@RTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\
20222 \def\bidirlap#1{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
20223 \def\bidillap#1{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
20224 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20225   \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20226 \def\narrower{%
20227   \advance\if@RTL\rightskip\else\leftskip\fi\parindent
20228   \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
20229 \def\underline#1{%
20230   \relax
20231   \ifmmode\@@underline{#1}%
20232   \else
20233 \if@RTL $ \@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20234 \else
20235 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20236 \if@compatibility
20237   \let\undertext=\underline
20238 \fi
20239 \def@tabular{%
20240   \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
20241   $\let\@acol\@tabacol

```



```

20242 \let\@classz\@tabclassz
20243 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20244 \def\endtabular{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
20245 \egroup $\if@RTLtab\endR\fi\egroup}
20246 \expandafter \let \csname endtabular*\endcsname = \endtabular
20247 \def\@array[#1]#2{%
20248 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20249 \bgroup
20250 \setbox\@arstrutbox\hbox{%
20251 \vrule \@height\arraystretch\ht\strutbox
20252 \@depth\arraystretch \dp\strutbox
20253 \@width\z@}%
20254 \mkpream{#2}%
20255 \edef\@preamble{%
20256 \ialign \noexpand\@halignto
20257 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20258 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20259 \let\tabularnewline\\%
20260 \let\par\@empty
20261 \let\@sharp##%
20262 \set@typeset@protect
20263 \lineskip\z@skip\baselineskip\z@skip
20264 \ifhmode \@preamerr\z@ \@@par\fi
20265 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
20266 \@preamble}
20267 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20268 \let\@classiv\@arrayclassiv
20269 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20270 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
20271 \ifnum \@lastchclass=3 5 \else
20272 \z@ \if #1c\@chnum \z@ \else
20273 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
20274 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
20275 \@chclass \if #1\@ne \else
20276 \if #1\@tw@ \else
20277 \if #1p3 \else \z@ \@preamerr 0\fi
20278 \fi \fi \fi \fi \fi \fi
20279 \fi}
20280 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
20281 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
20282 \def\bm@t{\unhbox\@tempboxa\hss}
20283 \def\bm@b{\hss\unhbox\@tempboxa}
20284 \def\@dottedtocline#1#2#3#4#5{%
20285 \ifnum #1>\c@tocdepth \else
20286 \vskip \z@ \@plus.2\p@
20287 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmar
20288 \parindent #2\relax\@afterindenttrue
20289 \interlinepenalty\@M
20290 \leavevmode
20291 \@tempdima #3\relax

```



```

20292 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
20293 {#4}\nobreak
20294 \leaders\hbox{$\m@th
20295 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20296 mu$}\hfill
20297 \nobreak
20298 \hb@xt@\@pnumwidth{{\hfil\normalfont \normalcolor #5}}}%
20299 \par}%
20300 \fi}
20301
20302 \newcount\ bidi@column@check@number
20303
20304 \def\ bidi@column@status#1{\gdef\ bidi@current@column@status{#1}}
20305
20306 \def\ bidi@set@column@status#1#2{%
20307 \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
20308
20309 \if@twocolumn
20310 \newcommand\DetectColumn[3][1]{%
20311 \ifx\ bidi@firstcolumn@status@write\relax
20312 \PackageError{bidi}%
20313 {Option 'DetectColumn' not selected}%
20314 {\string\DetectColumn\space
20315 requires the use of the 'DetectColumn'
20316 option on the package}%
20317 \fi
20318 \global\advance\ bidi@column@check@number\@ne
20319 \edef\ bidi@column@type{\expandafter\ifx
20320 \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
20321 0\else
20322 \csname bidi@column-\the\ bidi@column@check@number\endcsname
20323 \fi}%
20324 \ifcase \ bidi@column@type\relax
20325 \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
20326 \or
20327 #2% % 1 First column
20328 \or
20329 #3% % 2 Second (Last column)
20330 \else
20331 \ERROR
20332 \fi
20333 \edef\next{\write\@auxout
20334 {\string\ bidi@set@column@status{\ bidi@column-\the\ bidi@column@check@number}%
20335 {\ bidi@column@type}}}%
20336 \next
20337 }
20338
20339 \AtEndDocument{\def\ bidi@set@column@status#1#2{%
20340 \ifnum #2=\ bidi@current@column@status\else
20341 \@tempswatrue

```



```

20342     \fi}%
20343 }
20344 \fi
20345
20346 \def\RTL@outputdblcol{%
20347   \if@firstcolumn
20348     \global\@firstcolumnfalse
20349     \global\setbox\@leftcolumn\copy\@outputbox
20350     \splitmaxdepth\maxdimen
20351     \vbadness\maxdimen
20352     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20353     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20354     \toks@{\expandafter{\topmark}}%
20355     \xdef\@firstcoltopmark{\the\toks@}%
20356     \toks@\expandafter{\splitfirstmark}%
20357     \xdef\@firstcolfirstmark{\the\toks@}%
20358     \ifx\@firstcolfirstmark\@empty
20359       \global\let\@setmarks\relax
20360     \else
20361       \gdef\@setmarks{%
20362         \let\firstmark\@firstcolfirstmark
20363         \let\topmark\@firstcoltopmark}%
20364     \fi
20365   \else
20366     \global\@firstcolumntrue
20367     \setbox\@outputbox\vbox{%
20368       \hb@xt@\textwidth{%
20369         \hskip \columnwidth
20370         \hfil
20371         {\normalcolor\vrule \@width\columnseprule}%
20372         \hfil
20373         \hb@xt@\columnwidth{%
20374           \bidi@firstcolumn@status@write%
20375           \box\@leftcolumn \hss}%
20376         \hskip -\textwidth
20377         \hb@xt@\columnwidth{%
20378           \bidi@lastcolumn@status@write%
20379           \box\@outputbox \hss}%
20380         \hskip \columnsep
20381         \hskip \columnwidth }}%
20382     \@combinedblfloats
20383     \@setmarks
20384     \@outputpage
20385     \begingroup
20386       \@dblfloatplacement
20387       \@startdblcolumn
20388       \@whilesw\if@colmade \fi{\@outputpage
20389         \@startdblcolumn}%
20390     \endgroup
20391   \fi}%

```



```

20392
20393 \def\LTR@outputdblcol{%
20394   \if@firstcolumn
20395     \global\@firstcolumnfalse
20396     \global\setbox\@leftcolumn\copy\@outputbox
20397     \splitmaxdepth\maxdimen
20398     \vbadness\maxdimen
20399     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20400     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20401     \toks@\expandafter{\topmark}%
20402     \xdef\@firstcoltopmark{\the\toks@}%
20403     \toks@\expandafter{\splitfirstmark}%
20404     \xdef\@firstcolfirstmark{\the\toks@}%
20405     \ifx\@firstcolfirstmark\@empty
20406       \global\let\@setmarks\relax
20407     \else
20408       \gdef\@setmarks{%
20409         \let\firstmark\@firstcolfirstmark
20410         \let\topmark\@firstcoltopmark}%
20411     \fi
20412   \else
20413     \global\@firstcolumntrue
20414     \setbox\@outputbox\vbox{%
20415       \hb@xt@\textwidth{%
20416         \hb@xt@\columnwidth{%
20417           \bidi@firstcolumn@status@write%
20418           \box\@leftcolumn \hss}%
20419         \hfil
20420         {\normalcolor\vrule \@width\columnseprule}%
20421         \hfil
20422         \hb@xt@\columnwidth{%
20423           \bidi@lastcolumn@status@write%
20424           \box\@outputbox \hss}}}%
20425     \@combinedblfloats
20426     \@setmarks
20427     \@outputpage
20428     \beginingroup
20429       \@dblfloatplacement
20430       \@startdblcolumn
20431       \@whilesw\if@fcolmade \fi{\@outputpage
20432         \@startdblcolumn}%
20433     \endgroup
20434   \fi}%
20435
20436
20437 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
20438 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
20439 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
20440 \def\LTRmarginpar{%
20441   \ifhmode

```



```

20442 \@bsphack
20443 \@floatpenalty -\@Mii
20444 \else
20445 \@floatpenalty-\@Miii
20446 \fi
20447 \ifinner
20448 \@parmoderr
20449 \@floatpenalty\z@
20450 \else
20451 \@next\@currbox\@freelist{}\}%
20452 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20453 {\@floatpenalty\z@
20454 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20455 \fi
20456 \@ifnextchar [\@LTRxmpar\@LTRympar}
20457 \long\def\@LTRxmpar[#1]#2{%
20458 \@LTRsavemarbox\@marbox{#1}%
20459 \@LTRsavemarbox\@currbox{#2}%
20460 \@xympar}
20461 \long\def\@LTRympar#1{%
20462 \@LTRsavemarbox\@marbox{#1}%
20463 \global\setbox\@currbox\copy\@marbox
20464 \@xympar}
20465 \long\def \@LTRsavemarbox #1#2{%
20466 \global\setbox #1%
20467 \color@vbox
20468 \vtop{%
20469 \hsize\marginparwidth
20470 \@parboxrestore
20471 \@LTRmarginparreset
20472 #2%
20473 \@minipagefalse
20474 \outer@nobreak
20475 }%
20476 \color@endbox
20477 }
20478 \def \@LTRmarginparreset {%
20479 \reset@font
20480 \normalsize
20481 \@minipagetrue
20482 \everypar{\@minipagefalse\everypar{}\beginL}%
20483 }
20484 \def\RTLmarginpar{%
20485 \ifhmode
20486 \@bsphack
20487 \@floatpenalty -\@Mii
20488 \else
20489 \@floatpenalty-\@Miii
20490 \fi
20491 \ifinner

```



```

20492 \parmoderr
20493 \floatpenalty\z@
20494 \else
20495 \@next\@currbox\@freelist{}\}%
20496 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20497 {\floatpenalty\z@
20498 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20499 \fi
20500 \ifnextchar [\@RTLxmpar\@RTLympar}
20501 \long\def\@RTLxmpar[#1]#2{%
20502 \@RTLSavemarbox\@marbox{#1}%
20503 \@RTLSavemarbox\@currbox{#2}%
20504 \@xympar}
20505 \long\def\@RTLympar#1{%
20506 \@RTLSavemarbox\@marbox{#1}%
20507 \global\setbox\@currbox\copy\@marbox
20508 \@xympar}
20509 \long\def \@RTLSavemarbox #1#2{%
20510 \global\setbox #1%
20511 \color@vbox
20512 \vtop{%
20513 \hsize\marginparwidth
20514 \@parboxrestore
20515 \@RTLMarginparreset
20516 #2%
20517 \@minipagefalse
20518 \outer@nobreak
20519 }%
20520 \color@endbox
20521 }
20522 \def \@RTLMarginparreset {%
20523 \reset@font
20524 \normalsize
20525 \@minipagetrue
20526 \everypar{\@minipagefalse\everypar{}\beginR}%
20527 }
20528 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
20529 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
20530 \if@twocolumn
20531 \if@firstcolumn \@tempcnta\m@ne \fi
20532 \else
20533 \if@mparswitch
20534 \ifodd\c@page \else\@tempcnta\m@ne \fi
20535 \fi
20536 \if@reversemargin \@tempcnta -\@tempcnta \fi
20537 \fi
20538 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
20539 \@tempdima\@mparbottom
20540 \advance\@tempdima -\@pageht
20541 \advance\@tempdima\ht\@marbox

```



```

20542 \ifdim\@tempdima >\z@
20543 \latex@warning@no@line {Marginpar on page \thepage\space moved}%
20544 \else
20545 \@tempdima\z@
20546 \fi
20547 \global\@mparbottom\@pageht
20548 \global\advance\@mparbottom\@tempdima
20549 \global\advance\@mparbottom\dp\@marbox
20550 \global\advance\@mparbottom\marginparpush
20551 \advance\@tempdima -\ht\@marbox
20552 \global\setbox \@marbox
20553 \vbox {\vskip \@tempdima
20554 \box \@marbox}%
20555 \global \ht\@marbox \z@
20556 \global \dp\@marbox \z@
20557 \kern -\@pagedp
20558 \nointerlineskip
20559 \hbxt@\columnwidth
20560 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
20561 \hskip\columnwidth \hskip\marginparsep
20562 \else
20563 \hskip -\marginparsep \hskip -\marginparwidth
20564 \fi
20565 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
20566 \nointerlineskip
20567 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
20568 \long\def\@ympar#1{%
20569 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
20570 \global\setbox\@currbox\copy\@marbox
20571 \@xympar}
20572 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
20573 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
20574 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
20575 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
20576 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
20577 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
20578 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
20579 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
20580 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
20581 \fi}
20582
20583 \newcommand*{\bidi@font@outputpage}{}
20584
20585 \def\@outputpage{%
20586 \begingroup % the \endgroup is put in by \aftergroup
20587 \let \protect \noexpand
20588 \resetactivechars
20589 \global\let\@if@newlist\if@newlist
20590 \global\@newlistfalse
20591 \@parboxrestore

```



```

20592 \shipout \vbox{%
20593   \set@typeset@protect
20594   \aftergroup \endgroup
20595   \aftergroup \set@typeset@protect
20596                                     % correct? or just restore by ending
20597                                     % the group?
20598 \if@specialpage
20599   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
20600 \fi
20601 \if@twoside
20602   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
20603   \if@RTLmain
20604     \let\@themargin\evensidemargin
20605   \else
20606     \let\@themargin\oddsidemargin
20607   \fi
20608 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
20609   \if@RTLmain
20610     \let\@themargin\oddsidemargin
20611   \else
20612     \let\@themargin\evensidemargin
20613   \fi
20614 \fi
20615 \ifx\@thehead\@empty \let\@thehead\hfil \fi
20616 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
20617 \else %% not @twoside
20618   \ifx\@oddhead\@empty \let\@thehead\hfil \fi
20619   \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
20620 \fi
20621 \reset@font
20622 \normalsize
20623 \bidi@font@@outputpage
20624 \normalsfcodes
20625 \let\label\@gobble
20626 \let\index\@gobble
20627 \let\glossary\@gobble
20628 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
20629 \begin@dv
20630 \vskip \topmargin
20631 \moveright\@themargin \vbox {%
20632   \setbox\@tempboxa \vbox to\headheight{%
20633     \vfil
20634     \color@hbox
20635     \normalcolor
20636     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
20637     \color@endbox
20638   }%
20639   \dp\@tempboxa \z@
20640   \box\@tempboxa
20641   \vskip \headsep

```



```

20642 \box\@outputbox
20643 \baselineskip \footskip
20644 \color@hbox
20645 \normalcolor
20646 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RT
20647 \color@endbox
20648 }%
20649 }%
20650 \global\let\if@newlist\@if@newlist
20651 \global \colht \textheight
20652 \stepcounter{page}%
20653 \let\firstmark\botmark
20654 }
20655 \long\def\@makecaption#1#2{%
20656 \vskip\abovecaptionskip
20657 \sbox\@tempboxa{#1: #2}%
20658 \ifdim \wd\@tempboxa >\hsize
20659 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
20660 \else
20661 \global \@minipagefalse
20662 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
20663 \fi
20664 \vskip\belowcaptionskip}
20665 \let\@bidi@saved@eqno=\eqno
20666 \let\@bidi@saved@leqno=\leqno
20667 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
20668 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
20669 \ifpackageloaded{amsmath}{%
20670 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
20671 }
20672 \input{footnote-xetex-bidi.def}
20673 \if@twocolumn
20674 \let\autofootnoterule\relax
20675 \let\leftfootnoterule\relax
20676 \let\rightfootnoterule\relax
20677 \textwidthfootnoterule
20678 \fi
20679 \if@bidi@csundef{\@idxitem}{%
20680 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40p}%
20681 }
20682 \ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
20683 \ifclassloaded{article}{\ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
20684 \ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
20685 \ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
20686 \ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
20687 \ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
20688 \ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
20689 \ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
20690 \ifclassloaded{scrletter}{\input{scrletter-xetex-bidi.def}}{}
20691 \ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}

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20692 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
20693 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
20694 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
20695 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}{}{\input{report-xetex-bidi.def}}{}{}
20696 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
20697 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
20698 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
20699 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
20700 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
20701 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
20702 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
20703 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
20704 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
20705 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}{}{\input{book-xetex-bidi.def}}{}{}
20706 \@ifclassloaded{boekest}{\input{boekest-xetex-bidi.def}}{}
20707 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
20708 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
20709 \@ifpackageloaded{amsmath}{}{}%
20710 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
20711 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
20712 }
20713 \@ifpackageloaded{mathtools}{\RequirePackage{graphicx}}{}
20714 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
20715 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
20716 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
20717 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
20718 \@ifpackagewith{algorithm2e}{algonl}{}%
20719 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{Al
20720 }}{}
20721 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
20722 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
20723 \@ifpackagewith{algorithm2e}{algosection}{\renewcommand{\algocf@within}{section}}{}
20724 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
20725 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
20726 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
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20730 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
20731 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
20732 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{}{\input{crop-xetex-bidi.def}}{}{}
20733 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
20734 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
20735 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
20736 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
20737 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
20738 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{}{\input{float-xetex-bidi.def}}{}{}
20739 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
20740 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
20741 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}

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20742 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
20743 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
20744 \@ifpackageloaded{hvfloater}{\input{hvfloater-xetex-bidi.def}}{}
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20746 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
20747 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
20748 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
20749 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
20750 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
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20762 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
20763 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
20764 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
20765 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
20766 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
20767 \@iftexfileloaded{pgfcorescope}{\input{pgfcorescope.code-xetex-bidi.def}}{}
20768 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
20769 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
20770 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
20771 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
20772 \@ifpackagewith{sidecap}{innercaption}{%
20773 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
20774 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
20775 \renewcommand*{\SC@justify@caption}{%
20776 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
20777 \renewcommand*{\SC@FLOAT}[2]{%
20778 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
20779 \renewcommand*{\SC@justify@caption}{%
20780 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
20781 }{}
20782 \@ifpackagewith{sidecap}{rightcaption}{%
20783 \if@RTL\renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
20784 \def\SC@justify@caption{\RaggedLeft}\else%
20785 \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
20786 \def\SC@justify@caption{\RaggedRight}\fi%
20787 }{}
20788 \@ifpackagewith{sidecap}{leftcaption}{%
20789 \if@RTL \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
20790 \def\SC@justify@caption{\RaggedRight}\else%
20791 \renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}

```



```

20792 \def\SC@justify@caption{\RaggedLeft}\fi%
20793 }{}
20794 \ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
20795 \ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
20796 \ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
20797 \ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
20798 \ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
20799 \ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
20800 \ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
20801 \ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
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20813 \ifpackageloaded{tocbibind}{\ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
20814 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}
20815 \ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
20816 \ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

7.124 xltextra-xetex-bidi.def

```

20817 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for
20818 \let\@XeTeX\XeTeX
20819 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
20820 \let\@XeLaTeX\XeLaTeX
20821 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

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9 Change History

v13.9		toc, lot, lof, etc with multicol
General: Added implementaion of the		package. 317
package.	o	
v14.2		v14.3
General: Fixed the wrong order of		General: Removed \leavevmode to
		avoid extra \par. 146

