



The bidi *Package*

Documentation for *version 30.6*

to my Master, Ferdowsi The Great

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

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

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The *bid* Package

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

Documentation for version 30.6

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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
*
* 2017/05/19, v30.6
*
* 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
*
* Instagram: https://www.instagram.com/persiantex
*
*****
```

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 $\text{T}_{\text{E}}\text{X}$ but lion does not symbolizes `bidi`. **Simorgh**¹ (shown on the first page of this documentation) symbolizes `bidi`.

¹**Simorgh** 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 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.

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.

1.11 RTL cases

`\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.

```
\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 senario 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`, `picinpar`, `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{\langle newconditional1 \rangle}{\langle newconditional2 \rangle}
```

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>\RTL</code>
<code>\endLTR</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}[2015/11/14 v0.9 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 \bidi@footnotetext@font% \normalfont\footnotesize
38 \interlinepenalty\interfootnotelinepenalty
39 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
40 \floatingpenalty\@MM \hsize\columnwidth
41 \@parboxrestore \parindent\normalparindent \sloppy
42 \protected@edef\@currentlabel{%
43   \csname p@footnote\endcsname\@thefnmark}%
44 \@makefnintext{%
45   \rule{z@\footnotesep\ignorespaces#1\unskip\strut\par}}
46
47 \long\def\@RTLfootnotetext#1{%
48   \insert\footins{%
49     \@RTLtrue%
50     \bidi@RTLfootnotetext@font% \normalfont\footnotesize
51     \interlinepenalty\interfootnotelinepenalty
52     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
53     \floatingpenalty\@MM \hsize\columnwidth
54     \@parboxrestore \parindent\normalparindent \sloppy
55     \protected@edef\@currentlabel{%
56       \csname p@footnote\endcsname\@thefnmark}%
57     \@makefnintext{%
58       \rule{z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
59
60
61
62 \long\def\@LTRfootnotetext#1{%
63   \insert\footins{%
64     \@RTLfalse%
65     \bidi@LTRfootnotetext@font% \normalfont\footnotesize
66     \interlinepenalty\interfootnotelinepenalty
67     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
68     \floatingpenalty\@MM \hsize\columnwidth
69     \@parboxrestore \parindent\normalparindent \sloppy
70     \protected@edef\@currentlabel{%
71       \csname p@footnote\endcsname\@thefnmark}%
72     \@makefnintext{%
73       \rule{z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
74
75
76 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
77 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
78 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
79
80 \renewenvironment{thebibliography}[1]{%
81   \@bibtitlestyle
82   \normalfont\bibliofont\labelsep .5em\relax
83   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
84   \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
85   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}}%

```



```

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

```

7.2 adjmulticol-xetex-bidi.def

```

127 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol pa
128 \def\adjmulticols#1#2#3{\col@number#1\relax
129 \def\@tempa{#2}%
130 \ifx\@tempa\@empty\adjmc@inner\z@\else\adjmc@inner#2\fi
131 \def\@tempa{#3}%
132 \ifx\@tempa\@empty\adjmc@outer\z@\else\adjmc@outer#3\fi

```



```

133 \ifnum\col@number<\@ne
134   \PackageWarning{adjmulticol}%
135     {Using ``\number\col@number'
136      columns doesn't seem a good idea.^^J
137      I therefore use one columns instead}%
138   \col@number\@ne\fi
139 \ifnum\col@number>10
140   \PackageError{adjmulticol}%
141     {Too many columns}%
142     {Current implementation doesn't
143      support more than 10 columns.%
144      \MessageBreak
145      I therefore use 10 columns instead}%
146   \col@number10 \fi
147   \ifx\@footnotetext\mult@footnotetext\else
148     \let\orig@footnotetext\@footnotetext
149     \let\@footnotetext\mult@footnotetext
150   \fi
151   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
152     \let\orig@LTRfootnotetext\@LTRfootnotetext
153     \let\@LTRfootnotetext\mult@LTRfootnotetext
154   \fi
155   \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
156     \let\orig@RTLfootnotetext\@RTLfootnotetext
157     \let\@RTLfootnotetext\mult@RTLfootnotetext
158   \fi
159   \ifnextchar[\@adjmult@cols{\@adjmult@cols[]}]
160 \let\adjmc@page@sofar@orig=\page@sofar

```

7.3 algorithm2e-xetex-bidi.def

```

161 \ProvidesFile{algorithm2e-xetex-bidi.def}[2015/02/01 v0.1 bidi adaptations for algorithm2e pa
162 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
163 \else%
164   \renewcommand\thealgocf{\csname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
165 \fi%
166
167 \def\@algocf@pre@boxed{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}
168 \def\@algocf@post@boxed{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
169 \def\@algocf@pre@boxruled{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}%
170 \def\@algocf@post@boxruled{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
171 \renewcommand{\@algocf@start}{%
172   \@algoskip%
173   \begin{bidi@lrbox}{\algocf@algobox}%
174   \setlength{\algowidth}{\hsize}%
175   \vbox\bgroup% save all the algo in a box
176   \hbox to\algowidth\bgroup\hbox to \algomargin{\hfill}\vtop\bgroup%
177   \ifthenelse{\boolean{algocf@slide}}{\parskip 0.5ex\color{black}}{}%
178   % initialization
179   \addtolength{\hsize}{-1.5\algomargin}%

```



```

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

```

7.4 amsbook-xetex-bidi.def

```

202 \ProvidesFile{amsbook-xetex-bidi.def}[2015/11/14 v1.0 bidi adaptations for amsbook class for
203 \def\@tocline#1#2#3#4#5#6#7{\relax
204 \ifnum #1>\c@tocdepth % then omit
205 \else
206 \par \addpenalty\@secpenalty\addvspace{#2}%
207 \begingroup \hyphenpenalty\@M
208 \@ifempty{#4}{%
209 \@tempdima\csname r@tocindent\number#1\endcsname\relax
210 }{%
211 \@tempdima#4\relax
212 }%
213 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\l
214 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
215 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
216 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
217 \nobreak
218 \endgroup
219 \fi}
220 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
221 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
222 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
223 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
224 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
225 \columnseprule\z@ \columnsep 35\p@
226 \@indextitlestyle

```




```

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

```



```

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

```



```
327 }
```

7.5 amsmath-xetex-bidi.def

```
328 \ProvidesFile{amsmath-xetex-bidi.def}[2016/09/12 v1.0 bidi adaptations for amsmath package fo
329 \let\veqno=\eqno
330 \iftagsleft@ \let\veqno=\leqno \fi
331 \renewcommand{\numberwithin}[3][\arabic]{%
332   \ifundefined{c@#2}{\@nocounterr{#2}}{%
333     \ifundefined{c@#3}{\@nocnterr{#3}}{%
334       \addtoreset{#2}{#3}%
335       \xp\xdef\csname the#2\endcsname{%
336         \xp\xdef\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
337 }
338 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\ignorespaces#1\unskip\@italiccorr)\if@no
```

7.6 amstext-xetex-bidi.def

```
339 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package fo
340 \def\textdef@#1#2#3{\hbox{%
341   \everymath{#1}%
342   \let\f@size#2\selectfont
343   \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}}
```

7.7 amsthm-xetex-bidi.def

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

7.8 animate-xetex-bidi.def

```
346 \ProvidesFile{animate-xetex-bidi.def}[2016/05/03 v0.2 bidi adaptations for animate package fo
347
348
349 %user command for embedding animation sequence
350 % #1: options
351 % #2: frame rate (fps)
352 % #3: basename of graphics file sequence (without frame number and extension)
353 % #4: first frame (integer)
354 % #5: last frame (integer)
355 \renewcommand{\animategraphics}[5][{}]{%
356   \@anim@endsanitize%
357   \leavevmode%
358   \ifpdf\else%
359     \if@anim@grxloaded%
360       \if@anim@xetex%
361         \DeclareGraphicsRule{.mps}{eps}{*}{*}%
362         \fi%
363       \else%
364         \if@anim@xetex%
365           \@anim@missing[xetex]{graphicx}%
366         \else%
367           \if@anim@dvpdvmx%
```



```

368         \@anim@missing[dvipdfmx]{graphicx}%
369         \else%
370         \@anim@missing{graphicx}%
371         \fi%
372     \fi%
373 \fi%
374 \fi%
375 \@anim@reset% to default settings
376 \begingroup% make use of graphic[xs] search path
377 \beginL%
378 \ifcsname Ginput@path\endcsname%
379     \let\input@path\Ginput@path%
380 \fi%
381 %
382 \setkeys{anim@user}{#1}%
383 \ifthenelse{\boolean{@anim@autoplay}}\OR\boolean{@anim@autoresume}}{%
384     \setboolean{@anim@autoplayorresume}{true}%
385 }{}%
386 \ifthenelse{\boolean{@anim@controls}}\OR\boolean{@anim@palindrome}}{%
387     \setboolean{@anim@morejs}{true}%
388 }{}%
389 \ifx\empty\@anim@label\empty\else%
390     \setboolean{@anim@morejs}{true}%
391 \fi%
392 \ifthenelse{\NOT\boolean{@anim@controls}}\AND\boolean{@anim@step}}{%
393     \setboolean{@anim@loop}{true}%
394 }{}%
395 \def\@anim@base{#3}%
396 \def\@anim@first{#4}%
397 \def\@anim@last{#5}%
398 %
399 \@anim@checkmultipage{\@anim@base}{\@anim@ftype}%test for multipage file
400 \if@anim@multipage\else% cope with wrong user input
401     \ifthenelse{equal{#4}{}}\OR\equal{#5}{}}{%
402         \PackageError{animate}{%
403             Missing frame number in \protect\animategraphics\space command%
404         }{}%
405     }{}%
406     \ifthenelse{\@anim@first<\z@\OR\@anim@last<\z@}{%
407         \PackageError{animate}{%
408             Negative frame numbers not allowed%
409         }{}%
410     }{}%
411 \fi%
412 \def\@anim@relop{>}%
413 \edef\@anim@numtemplate{\@anim@first}%
414 \ifnum\@anim@first>\@anim@last\relax%
415     \edef\@anim@every{-\@anim@every}%
416 \def\@anim@relop{<}%
417 \edef\@anim@numtemplate{\@anim@last}%

```



```

418 \fi%
419 \global\@anim@curframe=\@anim@first%
420 \global\@anim@curframe@zb=\z@%
421 %
422 \if@anim@draft%
423   \if@anim@multipage%
424     %store file in a box
425     \@anim@filebox{\@anim@pathtofile}{\@anim@first}%
426   \else%
427     %get file name extension
428     \@anim@getpath{\@anim@base\@anim@first}{\@anim@ftype}%
429     \@anim@filebox{\@anim@pathtofile}{1}%
430   \fi%
431   \@anim@scale{\@anim@box}%
432   %draw draftbox according to dimensions of the first frame
433   \@anim@draftbox%
434 \else%
435   \if@anim@controls%
436     %create button faces only once in the current colour combination
437     \ifcsname
438       btncol:\@anim@bgcolour:\@anim@fgcolour\endcsname\else%
439       \@anim@makebuttons{the\@anim@num}%
440       \@anim@newkey{btncol:\@anim@bgcolour:\@anim@fgcolour}{the\@anim@num}%
441     \fi%
442   \fi%
443   \xdef\@anim@nfps{#2\space}% current frame rate
444   \xdef\@anim@nfps{\expandafter\zap@space\@anim@nfps\@empty}%
445   \ifdim\@anim@nfps\p<\z@%
446     \PackageError{animate}{%
447       Negative frame rate '\@anim@nfps' is not allowed%
448     }{}%
449   \fi%
450   \xdef\@anim@fps{\@anim@nfps}%
451   %
452   %read all frames of the sequence
453   \loop\ifnum\@anim@curframe\@anim@relop\@anim@last\relax\else%
454     \if@anim@multipage%
455       %embed graphics
456       \@anim@ximage{the\@anim@num}{the\@anim@curframe@zb}{%
457         \@anim@pathtofile}{the\@anim@curframe}%
458     \else%
459       %get path to current file end its extension
460       \@anim@getpath{%
461         \@anim@base\@anim@pad{\@anim@numtemplate}{the\@anim@curframe}%
462       }\@anim@ftype}%
463       %embed graphics
464       \@anim@ximage{the\@anim@num}{the\@anim@curframe@zb}{%
465         \@anim@pathtofile}{1}%
466     \fi%
467   \global\advance\@anim@curframe by \@anim@every%

```



```

468     \global\advance\@anim@curframe@zb by \@ne%
469     \repeat%
470     \xdef\@anim@frames{\the\@anim@curframe@zb}% total number
471     \global\@anim@tmpcnt=\@anim@frames%
472     \global\advance\@anim@tmpcnt by -\@ne%
473     \xdef\@anim@maxframe{\the\@anim@tmpcnt}% highest frame index
474     %build timeline from optional timeline file
475     \@anim@sanitizeJS%
476     \if\@anim@timeline\@anim@buildtmln{\the\@anim@num}\fi%
477     % if last frame used as poster, write frame num to aux file
478     \ifnum\@anim@poster=\@anim@mone\relax%
479         \@anim@keytoaux{a\the\@anim@num.poster}\@anim@maxframe}%
480     \fi%
481     %insert animation widget & controls
482     \@anim@insertwidgets{\the\@anim@num}{%
483         \@anim@getkeyval{btncol:\@anim@bgcolour:\@anim@fgcolour}}%
484     \@anim@endsanitize%
485     \fi%
486     \endL%
487     \endgroup%
488     \global\advance\@anim@num by \@ne%
489 }%
490 %adjust catcode of `:` character within \animategraphics
491 \let\@anim@animategraphics\animategraphics
492 \def\animategraphics{\@anim@sanitizeColon\@anim@animategraphics}
493
494
495
496 %user environment for animating inline graphics
497 % #1: options
498 % #2: frame rate (fps)
499 \renewenvironment{animateinline}[2][]{%
500     \@anim@endsanitize%
501     \leavevmode%
502     \@anim@reset% to default settings
503     \begingroup%
504     \beginL%
505     % make use of graphic[xs] search path
506     \ifcsname Ginput@path\endcsname%
507         \let\input@path\Ginput@path%
508     \fi%
509     \setkeys{anim@user}{#1}%
510     \ifthenelse{\boolean{\@anim@autoplay}\OR\boolean{\@anim@autoresume}}{%
511         \setboolean{\@anim@autoplayorresume}{true}%
512     }{}%
513     \ifthenelse{\boolean{\@anim@controls}\OR\boolean{\@anim@palindrome}}{%
514         \setboolean{\@anim@morejs}{true}%
515     }{}%
516     \ifx\empty\@anim@label\empty\else%
517         \setboolean{\@anim@morejs}{true}%

```



```

518 \fi%
519 \ifthenelse{\NOT\boolean{@anim@controls}}\AND\boolean{@anim@step}}{%
520   \setboolean{@anim@loop}{true}%
521 }{%
522   \global\@anim@curframe@zb=\z@%
523   \global\@anim@skipfram=\z@%
524   \if@anim@draft\else%
525     %create button faces if necessary
526     \if@anim@controls%
527       \ifcsname
528         btncol:\@anim@bgcolour:\@anim@fgcolour\endcsname\else%
529         \@anim@makebuttons{\the\@anim@num}%
530         \@anim@newkey{btncol:\@anim@bgcolour:\@anim@fgcolour}{\the\@anim@num}%
531       \fi%
532     \fi%
533     \if@anim@step\else%
534       \xdef\@anim@nfps{-1}%
535       \@anim@processfpsarg{#2}%
536     \fi%
537   \fi%
538   \ifdefined\NoHyper\NoHyper\fi% silently suppress any hyperref specials
539   \let\newframe\@anim@@newframe%
540   \let\multiframe\@anim@multiframe%
541   \@anim@beginframe%
542   \ignorespaces%
543 }{%
544   \unskip%
545   \@anim@endframe{\the\@anim@num}{\the\@anim@curframe@zb}%
546   \ifdefined\endNoHyper\endNoHyper\fi%
547   \global\advance\@anim@curframe@zb by \@ne%
548   \if@anim@draft\else%
549     \xdef\@anim@frames{\the\@anim@curframe@zb}% total number
550     \global\@anim@tmpcnt=\@anim@frames%
551     \global\advance\@anim@tmpcnt by -\@ne%
552     \xdef\@anim@maxframe{\the\@anim@tmpcnt}% highest frame index
553     %build timeline from optional timeline file
554     \@anim@sanitizeJS%
555     \if@anim@timeline\@anim@buildtmln{\the\@anim@num}\fi%
556     %insert animation widget & controls
557     \@anim@insertwidgets{\the\@anim@num}{%
558       \@anim@getkeyval{btncol:\@anim@bgcolour:\@anim@fgcolour}}%
559     \@anim@endsanitize%
560     % if last frame used as poster, write frame num to aux file
561     \ifnum\@anim@poster=\@anim@mone\relax%
562       \@anim@keytoaux{a\the\@anim@num.poster}{\@anim@maxframe}%
563     \fi%
564   \fi%
565   \endL%
566   \endgroup%
567   \global\advance\@anim@num by \@ne%

```



```

568 }
569 \let\@anim@animateinline\animateinline
570 \def\animateinline{\@anim@sanitizeColon\@anim@animateinline}

```

7.9 array-xetex-bidi.def

```

571 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for Xe
572 \def\@testpach{\@chclass
573 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
574 \ifnum \@lastchclass=7 5 \else
575 \ifnum \@lastchclass=8 \tw@ \else
576 \ifnum \@lastchclass=9 \thr@@
577 \else \z@
578 \ifnum \@lastchclass = 10 \else
579 \edef\@nextchar{\expandafter\string\@nextchar}%
580 \@chnum
581 \if \@nextchar c\z@ \else
582 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
583 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
584 \z@ \@chclass
585 \if \@nextchar |\@ne \else
586 \if \@nextchar !6 \else
587 \if \@nextchar @7 \else
588 \if \@nextchar <8 \else
589 \if \@nextchar >9 \else
590 10
591 \@chnum
592 \if \@nextchar m\thr@@\else
593 \if \@nextchar p4 \else
594 \if \@nextchar b5 \else
595 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
596 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
597 \def\@tabular{%
598 \leavevmode
599 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabc@sep \let\d@llarbegin\beginR
600 \let\d@llarend\endR
601 \@tabarray}
602 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
603 \expandafter\let\csname endtabular*\endcsname=\endtabular
604 \def\@array[#1]#2{%
605 \@tempdima \ht \strutbox
606 \advance \@tempdima by\extrarowheight
607 \setbox \@arstrutbox \hbox{\vrule
608 \@height \arraystretch \@tempdima
609 \@depth \arraystretch \dp \strutbox
610 \@width \z@}%
611 \beginR
612 \mkpream{#2}%
613 \xdef\@preamble{\noexpand \ialign \@halignto
614 \bgroup \@arstrut \@preamble

```




```

615 \tabskip \z@ \cr}%
616 \endgroup
617 \@arrayleft
618 \if #1t\top \else \if#1b\box \else \vcenter \fi \fi
619 \bgroup
620 \let \@sharp ##\let \protect \relax
621 \lineskip \z@
622 \baselineskip \z@
623 \m@th
624 \let\\\@arraycr \let\tabularnewline\\\let\par\empty \if@RTLtab\hbox\bgroup\beginR\@hboxRco
625 \def\@tabarray{\@ifnextchar[{\@array}{\@array[c]}}
626 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@pream
627 \def\array{\colsep\arraycolsep
628 \def\dollarbegin{$}\let\dollarend\dollarbegin\gdef\@halignto{}}%
629 \@RTLtabfalse\@tabarray}

```

7.10 article-xetex-bidi.def

```

630 \ProvidesFile{article-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for standard article c
631 \if@titlepage
632 \renewcommand\maketitle{\begin{titlepage}%
633 \let\footnotesize\small
634 \let\right@footnoterule\relax
635 \let\left@footnoterule\relax
636 \let\textwidth\footnoterule\relax
637 \let \footnote \thanks
638 \let \LTRfootnote \LTRthanks
639 \let \RTLfootnote \RTLthanks
640 \null\vfil
641 \vskip 60\p@
642 \begin{center}%
643 {\LARGE \@title \par}%
644 \vskip 3em%
645 {\large
646 \lineskip .75em%
647 \begin{tabular}[t]{c}%
648 \@author
649 \end{tabular}\par}%
650 \vskip 1.5em%
651 {\large \@date \par}% % Set date in \large size.
652 \end{center}\par
653 \@thanks
654 \vfil\null
655 \end{titlepage}%
656 \setcounter{footnote}{0}%
657 \global\let\thanks\relax
658 \global\let\LTRthanks\relax
659 \global\let\RTLthanks\relax
660 \global\let\maketitle\relax
661 \global\let\@thanks\@empty

```



```

662 \global\let\@author\@empty
663 \global\let\@date\@empty
664 \global\let\@title\@empty
665 \global\let\title\relax
666 \global\let\author\relax
667 \global\let\date\relax
668 \global\let\and\relax
669 }
670 \else
671 \renewcommand\maketitle{\par
672 \begingroup
673 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
674 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
675 \long\def\@makefntext##1{\parindent 1em\noindent
676 \hb@xt@1.8em{%
677 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
678 \if@twocolumn
679 \ifnum \col@number=\@ne
680 \@maketitle
681 \else
682 \twocolumn[\@maketitle]%
683 \fi
684 \else
685 \newpage
686 \global\@topnum\z@ % Prevents figures from going at top of page.
687 \@maketitle
688 \fi
689 \thispagestyle{plain}\@thanks
690 \endgroup
691 \setcounter{footnote}{0}%
692 \global\let\thanks\relax
693 \global\let\LTRthanks\relax
694 \global\let\RTLthanks\relax
695 \global\let\maketitle\relax
696 \global\let\@maketitle\relax
697 \global\let\@thanks\@empty
698 \global\let\@author\@empty
699 \global\let\@date\@empty
700 \global\let\@title\@empty
701 \global\let\title\relax
702 \global\let\author\relax
703 \global\let\date\relax
704 \global\let\and\relax
705 }
706 \def\@maketitle{%
707 \newpage
708 \null
709 \vskip 2em%
710 \begin{center}%
711 \let \footnote \thanks

```



```

712 \let \LTRfootnote \LTRthanks
713 \let \RTLfootnote \RTLthanks
714 {\LARGE \@title \par}%
715 \vskip 1.5em%
716 {\large
717 \lineskip .5em%
718 \begin{tabular}[t]{c}%
719 \@author
720 \end{tabular}\par}%
721 \vskip 1em%
722 {\large \@date}%
723 \end{center}%
724 \par
725 \vskip 1.5em}
726 \fi
727 \renewcommand*\l@part[2]{%
728 \ifnum \c@tocdepth >-2\relax
729 \addpenalty\@secpenalty
730 \addvspace{2.25em \@plus\p@}%
731 \setlength\@tempdima{3em}%
732 \begingroup
733 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
734 \parfillskip -\@pnumwidth
735 {\leavevmode
736 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
737 \nobreak
738 \if@compatibility
739 \global\@nobreaktrue
740 \everypar{\global\@nobreakfalse\everypar{}}%
741 \fi
742 \endgroup
743 \fi}
744 \renewcommand*\l@section[2]{%
745 \ifnum \c@tocdepth >\z@
746 \addpenalty\@secpenalty
747 \addvspace{1.0em \@plus\p@}%
748 \setlength\@tempdima{1.5em}%
749 \begingroup
750 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
751 \parfillskip -\@pnumwidth
752 \leavevmode \bfseries
753 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
754 \hskip -\if@RTL\rightskip\else\leftskip\fi
755 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
756 \endgroup
757 \fi}
758 \renewcommand\left@footnoterule{%
759 \kern-3\p@
760 \hrule\@width.4\columnwidth
761 \kern2.6\p@}

```



```

762 \renewcommand\right@footnoterule{%
763   \kern-3\p@
764   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
765   \kern2.6\p@}
766 \renewcommand\thesubsection   {\thesection\@SepMark\@arabic\c@section}
767 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
768 \renewcommand\theparagraph   {\thesubsubsection\@SepMark\@arabic\c@paragraph}
769 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
770 \def\@part[#1]#2{%
771   \ifnum \c@secnumdepth >\m@ne
772     \refstepcounter{part}%
773     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
774   \else
775     \addcontentsline{toc}{part}{#1}%
776   \fi
777   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
778    \interlinepenalty \@M
779    \normalfont
780    \ifnum \c@secnumdepth >\m@ne
781      \Large\bfseries \partname\nobreakspace\thepart
782      \par\nobreak
783    \fi
784    \huge \bfseries #2%
785    \markboth{}{}\par}%
786   \nobreak
787   \vskip 3ex
788   \@afterheading}
789 \renewenvironment{thebibliography}[1]
790   {\section*{\refname}%
791    \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
792    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
793    \list{\@biblabel{\@arabic\c@enumiv}}%
794      {\settowidth\labelwidth{\@biblabel{#1}}%
795       \leftmargin\labelwidth
796       \advance\leftmargin\labelsep
797       \@openbib@code
798       \usecounter{enumiv}%
799       \let\p@enumiv\@empty
800       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
801   \sloppy
802   \clubpenalty4000
803   \@clubpenalty \clubpenalty
804   \widowpenalty4000%
805   \sfcode\.\@m}
806   {\def\@noitemerr
807    {\@latex@warning{Empty `thebibliography' environment}}%
808    \endlist}
809 \renewenvironment{theindex}
810   {\if@twocolumn
811    \@restonecolfalse

```



```

812         \else
813             \@restonecoltrue
814         \fi
815         \columnseprule \z@
816         \columnsep 35\p@
817         \twocolumn[\section*{\indexname}]%
818         \@mkboth{\MakeUppercase\indexname}%
819                 {\MakeUppercase\indexname}%
820         \thispagestyle{plain}\parindent\z@
821         \parskip\z@ \@plus .3\p@\relax
822         \let\item\@idxitem}
823     {\if@restonecol\onecolumn\else\clearpage\fi}

```

7.11 artikel1-xetex-bidi.def

```

824 \ProvidesFile{artikel1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel1 class fo
825 \renewenvironment{theindex}{\%
826     \if@twocolumn
827         \@restonecolfalse
828     \else
829         \@restonecoltrue
830     \fi
831     \columnseprule \z@
832     \columnsep 35\p@
833     \twocolumn[\section*{\indexname}]%
834     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
835     \thispagestyle{plain}\parindent\z@
836     \parskip\z@ \@plus .3\p@\relax
837     \let\item\@idxitem
838 }{\%
839     \if@restonecol\onecolumn\else\clearpage\fi}
840 \renewcommand*\head@style{\%
841     \interlinepenalty \@M
842     \hyphenpenalty=\@M \exhyphenpenalty=\@M
843     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
844 \if@titlepage
845     \renewenvironment{abstract}{\%
846         \titlepage
847         \null\vfil
848         \section*{\SectFont\abstractname}
849         \noindent\ignorespaces}
850     {\par\vfil\null\endtitlepage}
851 \else
852     \renewenvironment{abstract}{\%
853         \if@twocolumn
854             \section*{\abstractname}%
855         \else
856             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
857             \section*{\small\SectFont\abstractname}%
858             \noindent\ignorespaces

```



```

859     \fi}
860     {\if@twocolumn\else\par\egroup\fi}
861 \fi
862 \renewcommand*\@regtocline[3]{%
863   \ifnum #1>\c@tocdepth
864   \else
865     \vskip\z@\@plus.2\p@
866     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
867     \if@RTL\rightskip\else\leftskip\fi\unitindent
868     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
869     \parfillskip\z@
870     \@tempdima\unitindent
871     \parindent\z@
872     \leavevmode
873     \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
874     \hskip 1em \nobreak{\slshape #3}\par
875     }%
876   \fi}
877 \if@oldtoc
878 \renewcommand*\l@part[2]{%
879   \ifnum \c@tocdepth >-2\relax
880     \addpenalty\@secpenalty
881     \addvspace{2.25em \@plus\p@}%
882     \begingroup
883       \setlength\@tempdima{3em}%
884       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
885       \parfillskip -\@pnumwidth
886       {\leavevmode
887         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
888         \nobreak
889         \if@compatibility
890           \global\@nobreaktrue
891           \everypar{\global\@nobreakfalse\everypar{}}%
892       \fi
893     \endgroup
894   \fi}
895 \else
896   \renewcommand*\l@part{%
897     \ifnum \c@tocdepth >-2\relax
898       \addpenalty\@secpenalty
899       \addvspace{2.25em \@plus \p@}%
900       \@regtocline{0}%
901     \fi}
902 \fi
903 \if@oldtoc
904 \renewcommand*\l@section[2]{%
905   \addpenalty\@secpenalty
906   \addvspace{1.0em \@plus\p@}%
907   \setlength\@tempdima{1.5em}%
908   \begingroup

```



```

909 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
910 \parfillskip -\@pnumwidth
911 \leavevmode \bfseries
912 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
913 \hskip -\if@RTL\rightskip\else\leftskip\fi
914 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
915 \endgroup}
916 \else
917 \renewcommand*\l@section{\@regtocline{1}}
918 \fi
919 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
920 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
921 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
922 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
923 \renewenvironment{thebibliography}[1]
924 {\section*\refname}%
925 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
926 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
927 \list{\@biblabel{\@arabic\c@enumiv}}%
928 {\settowidth\labelwidth{\@biblabel{#1}}%
929 \leftmargin\labelwidth
930 \advance\leftmargin\labelsep
931 \@openbib@code
932 \usecounter{enumiv}%
933 \let\p@enumiv\@empty
934 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
935 \sloppy\clubpenalty4000\widowpenalty4000%
936 \sfcode`\.\@m}
937 {\def\@noitemerr
938 {\@latex@warning{Empty `thebibliography' environment}}}%
939 \endlist}
940 \renewcommand*\left@footnoterule{%
941 \kern-3\p@
942 \kern.5\baselineskip
943 \hrule\@width\unitindent
944 \kern.4\baselineskip
945 }
946 \renewcommand*\right@footnoterule{%
947 \kern-3\p@
948 \kern.5\baselineskip
949 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
950 \kern.4\baselineskip}
951 \if@titlepage
952 \renewcommand*\TitleFont{\rmfamily}
953 \renewcommand*\maketitle{%
954 \begin{titlepage}%
955 \let\footnotesize\small
956 \let\right@footnoterule\relax
957 \let\left@footnoterule\relax
958 \let\textwidth\footnoterule\relax

```



```

959 \let \footnote \thanks
960 \long\def\@makefntext##1{\parindent\z@
961 \def\labelitemi{\textendash}\@revlabeltrue
962 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
963 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
964 \if@compatibility\setcounter{page}{0}\fi
965 \null\vfil
966 \vskip 60\p@
967 \begin{center}%
968 \TitleFont
969 {\LARGE \def\{\{\penalty -\@M}
970 \if@allcaps
971 \expandafter\uc@nothanks\@title\thanks\relax
972 \else
973 \@title
974 \fi\par}%
975 \vskip 3em%
976 {\large
977 \lineskip .75em \parindent\z@
978 \begin{tabular}[t]{c}%
979 \if@allcaps
980 \expandafter\uc@authornothanks\@author\and\relax
981 \else
982 \@author
983 \fi
984 \end{tabular}\par}%
985 \vskip 1.5em%
986 {\large
987 \if@allcaps
988 \uppercase\expandafter{\@date}%
989 \else
990 \@date
991 \fi\par}%
992 \end{center}\par
993 \@thanks
994 \vfil\null
995 \end{titlepage}%
996 \setcounter{footnote}{0}%
997 \global\let\thanks\relax
998 \global\let\maketitle\relax
999 \global\let\@thanks\@empty
1000 \global\let\@author\@empty
1001 \global\let\@title\@empty
1002 \global\let\@date\@empty
1003 \global\let\title\relax
1004 \global\let\author\relax
1005 \global\let\date\relax
1006 \global\let\and\relax
1007 }
1008 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}

```




```

1009 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1010     \futurelet\@tempa\uc@ax}
1011 \def\uc@ax{%
1012     \ifx\@tempa\relax
1013     \else
1014         \\\andname \\\expandafter\uc@authornothanks
1015     \fi}
1016 \def\uc@tx{\ifx\@tempa\relax
1017     \else \expandafter\uc@ty \fi}
1018 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1019 \else
1020 \renewcommand*\maketitle{\par
1021     \begin{group}
1022     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1023     \def\@makefnmark{\rlap{%
1024         \@textsuperscript{\normalfont\@thefnmark}}}%
1025     \long\def\@makefntext{\@xmakefntext{%
1026         \@textsuperscript{\normalfont\@thefnmark}}}%
1027     \if@twocolumn
1028         \ifnum \col@number=\@ne
1029             \@maketitle
1030         \else
1031             \twocolumn[\@maketitle]%
1032         \fi
1033     \else
1034         \newpage
1035         \global\@topnum\z@
1036         \@maketitle
1037     \fi
1038     \thispagestyle{plain}\@thanks
1039 \end{group}
1040 \setcounter{footnote}{0}%
1041 \global\let\thanks\relax
1042 \global\let\maketitle\relax
1043 \global\let\@maketitle\relax
1044 \global\let\@thanks\@empty
1045 \global\let\@author\@empty
1046 \global\let\@title\@empty
1047 \global\let\@date\@empty
1048 \global\let\title\relax
1049 \global\let\author\relax
1050 \global\let\date\relax
1051 \global\let\and\relax
1052 }
1053 \def\@maketitle{%
1054     \newpage
1055     \null
1056     \vskip 2em%
1057     \begin{center}%
1058         \let \footnote \thanks

```



```

1059     {\LARGE \TitleFont \@title \par}%
1060     \vskip 1.5em%
1061     {\large \TitleFont
1062       \lineskip .5em%
1063       \begin{tabular}[t]{c}%
1064         \@author
1065       \end{tabular}\par}%
1066     \vskip 1em%
1067     {\large \TitleFont \@date}%
1068   \end{center}%
1069   \par
1070   \vskip 1.5em}
1071 \fi

```

7.12 artikel2-xetex-bidi.def

```

1072 \ProvidesFile{artikel2-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel2 class fo
1073 \renewenvironment{theindex}{%
1074   \if@twocolumn
1075     \@restonecolfalse
1076   \else
1077     \@restonecoltrue
1078   \fi
1079   \columnseprule \z@
1080   \columnsep 35\p@
1081   \twocolumn[\section*{\indexname}]%
1082   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1083   \thispagestyle{plain}\parindent\z@
1084   \parskip\z@ \@plus .3\p@\relax
1085   \let\item\@idxitem
1086   }{%
1087   \if@restonecol\onecolumn\else\clearpage\fi}
1088 \renewcommand*{\regtocline}[3]{%
1089   \ifnum #1>\c@tocdepth
1090   \else
1091     \vskip\z@ \@plus .2\p@
1092     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1093       \if@RTL\rightskip\else\leftskip\fi\unitindent
1094       \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
1095       \parfillskip\z@
1096       \@tempdima\unitindent
1097       \advance\@tempdima by \othermargin
1098       \parindent\z@
1099       \leavevmode
1100       \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1101         \hskip 1em \nobreak{\slshape #3}\par
1102       }%
1103     \fi}
1104 \if@oldtoc
1105 \renewcommand*{\l@section}[2]{%

```



```

1106 \addpenalty\@secpenalty
1107 \addvspace{1.0em \@plus\p@}%
1108 \setlength\@tempdima{1.5em}%
1109 \begingroup
1110 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1111 \parfillskip -\@pnumwidth
1112 \leavevmode \bfseries
1113 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1114 \hskip -\if@RTL\rightskip\else\leftskip\fi
1115 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1116 \endgroup}
1117 \else
1118 \renewcommand*\l@section{\@regtocline{1}}
1119 \fi
1120 \if@oldtoc
1121 \renewcommand*\l@part[2]{%
1122 \ifnum \c@tocdepth >-2\relax
1123 \addpenalty\@secpenalty
1124 \addvspace{2.25em \@plus\p@}%
1125 \begingroup
1126 \setlength\@tempdima{3em}%
1127 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1128 \parfillskip -\@pnumwidth
1129 {\leavevmode
1130 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1131 \nobreak
1132 \if@compatibility
1133 \global\@nobreaktrue
1134 \everypar{\global\@nobreakfalse\everypar{}}%
1135 \fi
1136 \endgroup
1137 \fi}
1138 \else
1139 \renewcommand*\l@part{%
1140 \ifnum \c@tocdepth >-2\relax
1141 \addpenalty\@secpenalty
1142 \addvspace{2.25em \@plus\p@}%
1143 \@regtocline{0}%
1144 \fi}
1145 \fi
1146 \renewcommand*\head@style{%
1147 \interlinepenalty \@M
1148 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1149 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1150 \if@titlepage
1151 \renewenvironment{abstract}{%
1152 \titlepage
1153 \null\vfil
1154 \section*{\SectFont\abstractname}%
1155 \noindent\ignorespaces}

```



```

1156      {\par\vfil\null\endtitlepage}
1157 \else
1158   \renewenvironment{abstract}{%
1159     \if@twocolumn
1160       \section*{\abstractname}%
1161     \else
1162       \section*{\hskip\unitindent\small\SectFont\abstractname}%
1163       \list{}{\setlength\listparindent{\unitindent}%
1164         \setlength\parindent {\z@}%
1165         \setlength\leftmargin {\unitindent}%
1166         \setlength\rightmargin {\unitindent}%
1167         \setlength\parsep {\z@}}%
1168       \item[]%
1169     \fi}
1170   {\if@twocolumn\else\par\endlist\fi}
1171 \fi
1172 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1173 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1174 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1175 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1176 \renewcommand*\left@footnoterule{%
1177   \kern-3\p@
1178   \hrule\@width 3\unitindent
1179   \kern 2.6\p@
1180 }
1181 \renewcommand*\right@footnoterule{%
1182   \kern-3\p@
1183   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
1184   \kern 2.6\p@}
1185 \renewenvironment{thebibliography}[1]
1186   {\section*{\refname}%
1187     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1188     \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1189     \list{\@biblabel{\@arabic\c@enumiv}}%
1190       {\settowidth\labelwidth{\@biblabel{#1}}%
1191         \leftmargin\labelwidth
1192         \advance\leftmargin\labelsep
1193         \@openbib@code
1194         \usecounter{enumiv}%
1195         \let\p@enumiv\@empty
1196         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1197     \sloppy\clubpenalty4000\widowpenalty4000%
1198     \sfcode\.\@m}
1199   {\def\@noitemerr
1200     {\@latex@warning{Empty `thebibliography' environment}}%
1201     \endlist}
1202 \if@titlepage
1203 \renewcommand*\TitleFont{\rmfamily}
1204 \renewcommand*\maketitle{%
1205   \begin{titlepage}%

```



```

1206 \let\footnotesize\small
1207 \let\right@footnoterule\relax
1208 \let\left@footnoterule\relax
1209 \let\textwidth@footnoterule\relax
1210 \let \footnote \thanks
1211 \long\def\@makefntext##1{\parindent\z@
1212     \def\labelitemi{\textendash}\@revlabeltrue
1213     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1214 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1215 \if@compatibility\setcounter{page}{0}\fi
1216 \null\vfil
1217 \vskip 60\p@
1218 \begin{center}%
1219     \TitleFont
1220     {\LARGE \def\{\{\penalty -\@M}
1221     \if@allcaps
1222         \expandafter\uc@nothanks\@title\thanks\relax
1223     \else
1224         \@title
1225     \fi\par}%
1226 \vskip 3em%
1227 {\large
1228     \lineskip .75em \parindent\z@
1229     \begin{tabular}[t]{c}%
1230         \if@allcaps
1231             \expandafter\uc@authornothanks\@author\and\relax
1232         \else
1233             \@author
1234         \fi
1235     \end{tabular}\par}%
1236 \vskip 1.5em%
1237 {\large
1238     \if@allcaps
1239         \uppercase\expandafter{\@date}%
1240     \else
1241         \@date
1242     \fi\par}%
1243 \end{center}\par
1244 \@thanks
1245 \vfil\null
1246 \end{titlepage}%
1247 \setcounter{footnote}{0}%
1248 \global\let\thanks\relax
1249 \global\let\maketitle\relax
1250 \global\let\@thanks\@empty
1251 \global\let\@author\@empty
1252 \global\let\@title\@empty
1253 \global\let\@date\@empty
1254 \global\let\title\relax
1255 \global\let\author\relax

```



```

1256 \global\let\date\relax
1257 \global\let\and\relax
1258 }
1259 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1260 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1261 \futurelet\@tempa\uc@ax}
1262 \def\uc@ax{%
1263 \ifx\@tempa\relax
1264 \else
1265 \\\andname \\\expandafter\uc@authornothanks
1266 \fi}
1267 \def\uc@tx{\ifx\@tempa\relax
1268 \else \expandafter\uc@ty \fi}
1269 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1270 \else
1271 \renewcommand*\maketitle{\par
1272 \beginingroup
1273 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1274 \long\def\@makefntext##1{\parindent\z@
1275 \def\labelitemi{\textendash}%
1276 \leavevmode\hb@xt@.5\unitindent{%
1277 \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1278 \if@twocolumn
1279 \ifnum \col@number=\@ne
1280 \@maketitle
1281 \else
1282 \twocolumn[\@maketitle]%
1283 \fi
1284 \else
1285 \newpage
1286 \global\@topnum\z@
1287 \@maketitle
1288 \fi
1289 \thispagestyle{plain}\@thanks
1290 \endgroup
1291 \setcounter{footnote}{0}%
1292 \global\let\thanks\relax
1293 \global\let\maketitle\relax
1294 \global\let\@maketitle\relax
1295 \global\let\@thanks\@empty
1296 \global\let\@author\@empty
1297 \global\let\@title\@empty
1298 \global\let\@date\@empty
1299 \global\let\title\relax
1300 \global\let\author\relax
1301 \global\let\date\relax
1302 \global\let\and\relax
1303 }
1304 \def\@maketitle{%
1305 \newpage

```



```

1306 \null
1307 \vskip 2em%
1308 \begin{center}%
1309 \let \footnote \thanks
1310 {\LARGE \TitleFont \@title \par}%
1311 \vskip 1.5em%
1312 {\large \TitleFont
1313 \lineskip .5em%
1314 \begin{tabular}[t]{c}%
1315 \@author
1316 \end{tabular}\par}%
1317 \vskip 1em%
1318 {\large \TitleFont \@date}%
1319 \end{center}%
1320 \par
1321 \vskip 1.5em}
1322 \fi

```

7.13 artikel3-xetex-bidi.def

```

1323 \ProvidesFile{artikel3-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for artikel3 class fo
1324 \renewenvironment{theindex}{%
1325 \if@twocolumn
1326 \@restonecolfalse
1327 \else
1328 \@restonecoltrue
1329 \fi
1330 \columnseprule \z@
1331 \columnsep 35\p@
1332 \twocolumn[\section*{\indexname}]{%
1333 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1334 \thispagestyle{plain}\parindent\z@
1335 \parskip\z@ \@plus .3\p@\relax
1336 \let\item\@idxitem
1337 }{%
1338 \if@restonecol\onecolumn\else\clearpage\fi}
1339 \renewcommand*\head@style{%
1340 \interlinepenalty \@M
1341 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1342 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1343 \renewcommand*\@regtocline[3]{%
1344 \ifnum #1>\c@tocdepth
1345 \else
1346 \vskip\z@\@plus.2\p@
1347 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1348 \if@RTL\rightskip\else\leftskip\fi\unitindent
1349 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1350 \parfillskip\z@
1351 \@tempdima\unitindent
1352 \parindent\z@

```



```

1353     \leavevmode
1354     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1355     \hskip 1em \nobreak{\slshape #3}\par
1356   }%
1357 \fi}
1358 \if@oldtoc
1359 \renewcommand*\l@part[2]{%
1360   \ifnum \c@tocdepth >-2\relax
1361     \addpenalty\@secpenalty
1362     \addvspace{2.25em \@plus\p@}%
1363     \begingroup
1364       \setlength\@tempdima{3em}%
1365       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1366       \parfillskip -\@pnumwidth
1367       {\leavevmode
1368         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1369         \nobreak
1370         \if@compatibility
1371           \global\@nobreaktrue
1372           \everypar{\global\@nobreakfalse\everypar{}}%
1373         \fi
1374       \endgroup
1375     \fi}
1376 \else
1377 \renewcommand*\l@part{%
1378   \ifnum \c@tocdepth >-2\relax
1379     \addpenalty\@secpenalty
1380     \addvspace{2.25em \@plus \p@}%
1381     \@regtocline{0}%
1382   \fi}
1383 \fi
1384
1385 \if@oldtoc
1386 \renewcommand*\l@section[2]{%
1387   \addpenalty\@secpenalty
1388   \addvspace{1.0em \@plus\p@}%
1389   \setlength\@tempdima{1.5em}%
1390   \begingroup
1391     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1392     \parfillskip -\@pnumwidth
1393     \leavevmode \bfseries
1394     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1395     \hskip -\if@RTL\rightskip\else\leftskip\fi
1396     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1397   \endgroup}
1398 \else
1399 \renewcommand*\l@section{\@regtocline{1}}
1400 \fi
1401 \if@titlepage
1402 \renewenvironment{abstract}{%

```




```

1403     \titlepage
1404     \null\vfil
1405     \section*{\SectFont\abstractname}%
1406     \noindent\ignorespaces}
1407     {\par\vfil\null\endtitlepage}
1408 \else
1409   \renewenvironment{abstract}{%
1410     \if@twocolumn
1411       \section*{\abstractname}%
1412     \else
1413       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1414       \section*{\small\SectFont\abstractname}%
1415       \noindent\ignorespaces
1416     \fi}
1417     {\if@twocolumn\else\par\egroup\fi}
1418 \fi
1419 \renewcommand*\left@footnoterule{%
1420   \kern-3\p@
1421   \kern.5\baselineskip
1422   \hrule\@width\unitindent
1423   \kern.4\baselineskip
1424 }
1425 \renewcommand*\right@footnoterule{%
1426   \kern-3\p@
1427   \kern.5\baselineskip
1428   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1429   \kern.4\baselineskip}
1430 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
1431 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1432 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1433 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1434 \renewenvironment{thebibliography}[1]
1435   {\section*{\refname}%
1436     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1437     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1438     \list{\@biblabel{\@arabic\c@enumiv}}%
1439       {\settowidth\labelwidth{\@biblabel{#1}}%
1440        \leftmargin\labelwidth
1441        \advance\leftmargin\labelsep
1442        \@openbib@code
1443        \usecounter{enumiv}%
1444        \let\p@enumiv\@empty
1445        \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1446     \sloppy\clubpenalty4000\widowpenalty4000%
1447     \sfcode`\.\@m}
1448   {\def\@noitemerr
1449     {\@latex@warning{Empty `thebibliography' environment}}}%
1450     \endlist}
1451 \if@titlepage
1452 \renewcommand*\TitleFont{\rmfamily}

```



```

1453 \renewcommand*\maketitle{%
1454   \begin{titlepage}%
1455     \let\footnotesize\small
1456     \let\right@footnoterule\relax
1457     \let\left@footnoterule\relax
1458     \let\textwidth@footnoterule\relax
1459     \let \footnote \thanks
1460     \long\def\@makefnmark##1{\parindent\z@
1461       \def\labelitemi{\textendash}\@revlabeltrue
1462       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1463     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1464     \if@compatibility\setcounter{page}{0}\fi
1465     \null\vfil
1466     \vskip 60\p@
1467     \begin{center}%
1468       \TitleFont
1469       {\LARGE \def\{\{\penalty -\@M}
1470       \if@allcaps
1471         \expandafter\uc@nothanks\@title\thanks\relax
1472       \else
1473         \@title
1474       \fi\par}%
1475     \vskip 3em%
1476     {\large
1477       \lineskip .75em \parindent\z@
1478       \begin{tabular}[t]{c}%
1479         \if@allcaps
1480           \expandafter\uc@authornothanks\@author\and\relax
1481         \else
1482           \@author
1483         \fi
1484       \end{tabular}\par}%
1485     \vskip 1.5em%
1486     {\large
1487       \if@allcaps
1488         \uppercase\expandafter{\@date}%
1489       \else
1490         \@date
1491       \fi\par}%
1492     \end{center}\par
1493     \@thanks
1494     \vfil\null
1495   \end{titlepage}%
1496   \setcounter{footnote}{0}%
1497   \global\let\thanks\relax
1498   \global\let\maketitle\relax
1499   \global\let\@thanks\@empty
1500   \global\let\@author\@empty
1501   \global\let\@title\@empty
1502   \global\let\@date\@empty

```



```

1503 \global\let\title\relax
1504 \global\let\author\relax
1505 \global\let\date\relax
1506 \global\let\and\relax
1507 }
1508 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1509 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1510 \futurelet\@tempa\uc@ax}
1511 \def\uc@ax{%
1512 \ifx\@tempa\relax
1513 \else
1514 \\\andname \\\expandafter\uc@authornothanks
1515 \fi}
1516 \def\uc@tx{\ifx\@tempa\relax
1517 \else \expandafter\uc@ty \fi}
1518 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1519 \else
1520 \renewcommand*\maketitle{\par
1521 \beginingroup
1522 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1523 \def\@makefnmark{\rlap{%
1524 \@textsuperscript{\normalfont\@thefnmark}}}%
1525 \long\def\@makefntext{\@xmakefntext{%
1526 \@textsuperscript{\normalfont\@thefnmark}}}%
1527 \if@twocolumn
1528 \ifnum \col@number=\@ne
1529 \@maketitle
1530 \else
1531 \twocolumn[\@maketitle]%
1532 \fi
1533 \else
1534 \newpage
1535 \global\@topnum\z@
1536 \@maketitle
1537 \fi
1538 \thispagestyle{plain}\@thanks
1539 \endgroup
1540 \setcounter{footnote}{0}%
1541 \global\let\thanks\relax
1542 \global\let\maketitle\relax
1543 \global\let\@maketitle\relax
1544 \global\let\@thanks\@empty
1545 \global\let\@author\@empty
1546 \global\let\@title\@empty
1547 \global\let\@date\@empty
1548 \global\let\title\relax
1549 \global\let\author\relax
1550 \global\let\date\relax
1551 \global\let\and\relax
1552 }

```



```

1553 \def\@maketitle{%
1554   \newpage
1555   \null
1556   \vskip 2em%
1557   \if@titlecentered
1558     \begin{center}%
1559       \let \footnote \thanks
1560       {\LARGE \TitleFont \@title \par}%
1561       \vskip 1.5em%
1562       {\large \TitleFont
1563         \lineskip .5em%
1564         \begin{tabular}[t]{c}%
1565           \@author
1566           \end{tabular}\par}%
1567       \vskip 1em%
1568       {\large \TitleFont \@date}%
1569     \end{center}%
1570   \else
1571     {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
1572     {\large \TitleFont \lineskip .5em \tabcolsep\z@
1573       \def\and{%% \begin{tabular} has already started
1574         \end{tabular}\hskip 1em plus .17fil
1575         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
1576         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\p
1577       \vskip 1em {\large \TitleFont \@date}
1578     \fi
1579     \par
1580     \vskip 1.5em}
1581 \fi

```

7.14 arydshln-xetex-bidi.def

```

1582 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package
1583 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1584 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1585 \expandafter\let\csname endtabular*\endcsname\endtabular
1586 \let\adl@array\@array
1587 \def\@array{\adl@everyvbox\everyvbox
1588   \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1589   \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1590   \let\adl@noalign\noalign
1591   \adl@array}
1592 \ifadl@usingarypkg
1593 \def\@testpach{\@chclass
1594   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1595     \ifnum \@lastchclass=7 5 \else
1596       \ifnum \@lastchclass=8 \tw@ \else
1597         \ifnum \@lastchclass=9 \thr@@
1598         \else \z@
1599       \ifnum \@lastchclass = 10 \else

```



```

1600 \edef\@nextchar{\expandafter\string\@nextchar}%
1601 \@chnum
1602 \if \@nextchar c\z@ \else
1603 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1604 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1605 \z@ \@chclass
1606 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1607 \if\@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1608 \if\@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1609 \if \@nextchar !6 \else
1610 \if \@nextchar @7 \else
1611 \if \@nextchar <8 \else
1612 \if \@nextchar >9 \else
1613 10
1614 \@chnum
1615 \if \@nextchar m\thr@@\else
1616 \if \@nextchar p4 \else
1617 \if \@nextchar b5 \else
1618 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1619 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1620
1621 \def\@classz{\@classx
1622 \@tempcnta \count@
1623 \prepnext@tok
1624 \@addtopreamble{\ifcase \@chnum
1625 \hfil
1626 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1627 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1628 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1629 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1630 \adl@endmbox\or
1631 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1632 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1633 \fi}\prepnext@tok}
1634 \def\adl@class@start{4}
1635 \def\adl@class@iiiorvii{7}
1636
1637 \else
1638 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1639 \ifnum \@lastchclass=\thr@@ 5\relax \else
1640 \z@ \if #1c\@chnum \z@ \else
1641 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1642 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1643 \@chclass
1644 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1645 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1646 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1647 \if #1@\tw@ \else
1648 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1649 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

```



```

1650
1651 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1652 \or \or \@addamp \or
1653 \@acolampacol \or \@firstampfalse \@acol \fi
1654 \edef\@preamble{\@preamble
1655 \ifcase \@chnum
1656 \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1657 \or \adl@putlrc{\$relax\@sharp$}\hfil
1658 \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1659 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1660 \or \or \@addamp \or
1661 \@acolampacol \or \@firstampfalse \@acol \fi
1662 \edef\@preamble{\@preamble
1663 \ifcase \@chnum
1664 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1665 \or \adl@putlrc{\@sharp\unskip}\hfil
1666 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1667 \def\adl@class@start{6}
1668 \def\adl@class@iiiorvii{3}
1669 \fi
1670 \ifpackageloaded{colortbl}{%
1671 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1672 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1673 \let\@endpbox\adl@org@endpbox}
1674 \let\adl@CT@setup\CT@setup
1675 \def\CT@setup{\adl@CT@setup
1676 \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1677 \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1678 \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1679 \let\adl@act@CT@setup\CT@setup
1680 \def\@classz{\@classx
1681 \@tempcnta\count@ \prepnext@tok
1682 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1683 \expandafter\adl@extract\arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1684 \expandafter\adl@extract\drsc
1685 \the\toks\@tempcnta\doublerulesepcolor!\@nil
1686 \expandafter\adl@extract\dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1687 \@addtopreamble{\if@RTL\beginL\fi%
1688 \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1689 \ifcase \@chnum
1690 \hskip\stretch{.5}\kern\z@
1691 \dollarbegin
1692 \insert@column
1693 \dollarend\hskip\stretch{.5}%
1694 \or \dollarbegin \insert@column \dollarend \hfill
1695 \or \hfill \kern\z@ \dollarbegin \insert@column \dollarend
1696 \or $\vcenter
1697 \startpbox{\@nextchar}\insert@column \@endpbox $%
1698 \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1699 \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox

```



```

1700          \fi
1701          \if@RTL\endR\fi\egroup\egroup
1702          \beginngroup
1703              \CT@setup
1704              \CT@column@color
1705              \CT@row@color
1706              \CT@cell@color
1707              \CT@do@color
1708          \endgroup
1709          \@tempdima\ht\z@
1710          \advance\@tempdima\minrowclearance
1711          \vrule\@height\@tempdima\@width\z@
1712          \unhbox\z@\if@RTL\endL\fi}%
1713      \prepnext@tok}
1714      \let\adl@act@classz\@classz
1715      \let\adl@org@classz\@classz
1716  }{}

```

7.15 bidi.sty

```

1717 \NeedsTeXFormat{LaTeX2e}
1718 \def\bididate{2017/05/19}
1719 \def\bidiversion{v30.6}
1720 \ProvidesPackage{bidi}[\bididate\space \bidiversion\space
1721 Bidirectional typesetting in plain TeX and LaTeX]
1722 \edef\@bidi@info{*****~J%
1723 * ~J%
1724 * bidi package (Bidirectional typesetting in~J%
1725 * plain TeX and LaTeX, using XeTeX engine)~J%
1726 * ~J%
1727 * Description: A convenient interface for~J%
1728 * typesetting bidirectional texts in plain TeX~J%
1729 * and LaTeX. The package includes adaptations~J%
1730 * for use with many other commonly-used packages.~J%
1731 * ~J%
1732 * Copyright (c) 2009--2017 Vafa Khalighi~J%
1733 * ~J%
1734 * \bididate, \bidiversion~J%
1735 * ~J%
1736 * License: LaTeX Project Public License, version~J%
1737 * 1.3c or higher (your choice)~J%
1738 * ~J%
1739 * Location on CTAN: /macros/xetex/latex/bidi~J%
1740 * ~J%
1741 * Issue tracker: https://github.com/tex-xet/bidi/issues~J%
1742 * ~J%
1743 * Support: persian-tex@tug.org~J%
1744 * ~J%
1745 * Instagram: https://www.instagram.com/persiantex~J%
1746 * ~J%

```



```

1747 *****}
1748 \typeout{\@bidi@info}
1749 \edef\bidi@everyjob{\the\everyjob}
1750 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1751 \edef\bidi@strip@v@bidiversion{\expandafter\@gobble\bidiversion}
1752 \newcommand*{\IfbidiPackageVersionLater}[1]{%
1753   \ifdim\bidi@strip@v@bidiversion pt > #1 pt %
1754     \expandafter\@firstoftwo
1755   \else
1756     \expandafter\@secondoftwo
1757   \fi}
1758 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
1759   \ifdim\bidi@strip@v@bidiversion pt < #1 pt %
1760     \expandafter\@firstoftwo
1761   \else
1762     \expandafter\@secondoftwo
1763   \fi}
1764 \newcommand*{\IfbidiPackageVersion}[1]{%
1765   \ifdim\bidi@strip@v@bidiversion pt = #1 pt %
1766     \expandafter\@firstoftwo
1767   \else
1768     \expandafter\@secondoftwo
1769   \fi}
1770 \RequirePackage{iftex}
1771 \RequireXeTeX
1772 \RequirePackage{bidiutils}
1773 \RequirePackage{zref-abspace}
1774 \RequirePackage{auxhook}
1775 \RequirePackage{ltxcmds}
1776 \RequirePackage{xkeyval}
1777 \eqnewif{\if@RTLmain}{\if@rlmain}
1778 \eqnewif{\if@RTL}{\if@rl}
1779 \newif\if@nonlatin
1780 \newcommand*{\setlatin}{\@nonlatinfalse}
1781 \newcommand*{\setnonlatin}{\@nonlatintrue}
1782 \eqnewif{\if@RTLtab}{\if@tab@rl}
1783 \newif\if@hboxRconstruct
1784 \newcommand*{\setRTLtable}{\@RTLtabtrue}
1785 \newcommand*{\setLTRtable}{\@RTLtabfalse}
1786 \newif\if@RTLmarginpar
1787 \newif\if@LTRmarginpar
1788 \newif\if@LTRbibitems
1789 \newif\if@RTLbibitems
1790 \newif\if@extrafootnotefeatures
1791 \newif\if@parafootRTL
1792 \newif\if@RTLcolumnfootnotes
1793 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1794 \newif\if@bidi@list@minipage@parbox
1795 \newif\if@bidi@list@minipage@parbox@not@nob
1796 \@RTLmainfalse

```




```

1797 \AtBeginDocument{%
1798   \if@RTLmain\else
1799     \if@RTL\@RTLmaintrue%
1800     \else\@RTLmainfalse%
1801     \fi%
1802   \fi%
1803 }
1804 \let\n@xt=\
1805 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1806 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1807 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1808 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1809 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1810   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1811 \input{latex-xetex-bidi.def}
1812 \input{loadingorder-xetex-bidi.def}
1813 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1814   \ifcase\bidi@tempb\relax
1815     \@RTLtrue
1816   \or
1817     \@RTLfalse
1818   \fi}
1819 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttorigh
1820   \ifcase\bidi@tempb\relax
1821     \@RTLtrue
1822   \or
1823     \@RTLfalse
1824   \fi}
1825 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{
1826   \ifcase\bidi@tempb\relax
1827     \@RTLtabtrue
1828   \or
1829     \@RTLtabfalse
1830   \fi}
1831 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
1832   \ifcase\bidi@tempb\relax
1833     \@nonlatinfalse
1834   \or
1835     \@nonlatintrue
1836   \fi}
1837 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1838   \ifcase\bidi@tempb\relax
1839     \@RTLtrue
1840   \or
1841     \@RTLfalse
1842   \fi}
1843 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,
1844   \ifcase\bidi@tempb\relax
1845     \autofootnoterule
1846   \or

```



```

1847 \leftfootnoterule
1848 \or
1849 \rightfootnoterule
1850 \or
1851 \SplitFootnoteRule
1852 \or
1853 \textwidthfootnoterule
1854 \fi}
1855 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttorigh
1856 \ifcase\bidi@tempb\relax
1857 \RTL@footnotetrue
1858 \or
1859 \RTL@footnotefalse
1860 \fi}
1861 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1862 \ifcase\bidi@tempb\relax
1863 \footdir@debugtrue
1864 \or
1865 \footdir@debugfalse
1866 \fi}
1867 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1868 \ifcase\bidi@tempb\relax
1869 \extrafootnotefeaturestrue
1870 \or
1871 \extrafootnotefeaturesfalse
1872 \fi}
1873
1874 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1875 \ifcase\bidi@tempb\relax
1876 \def\bidi@firstcolumn@status@write{%
1877 \protected@write\@auxout{}%
1878 {\string\bidi@column@status
1879 {1}}}%
1880 \def\bidi@lastcolumn@status@write{%
1881 \protected@write\@auxout{}%
1882 {\string\bidi@column@status{2}}}%
1883 \or
1884 \let\bidi@firstcolumn@status@write\relax
1885 \let\bidi@lastcolumn@status@write\relax
1886 \fi}
1887
1888 \ExecuteOptionsX{%
1889 DetectColumn=off
1890 }
1891
1892 \ProcessOptionsX
1893
1894 \if@extrafootnotefeatures
1895 \input{extrafootnotefeatures-xetex-bidi.def}
1896 \fi

```



```

1897 \newcount\bididigits
1898 \XeTeXinterchartokenstate=\@ne
1899 \newXeTeXintercharclass\bididigits@charclass
1900 \newXeTeXintercharclass\bididot@charclass
1901 \newXeTeXintercharclass\bididash@charclass
1902 \XeTeXcharclass `\. \bididot@charclass
1903 \XeTeXcharclass `\- \bididash@charclass
1904 \bididigits=\0 \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigits
1905 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigits
1906 \XeTeXinterchartoks \bididigits@charclass \bididot@charclass = {\DigitsDotDashInterCharTok
1907 \XeTeXinterchartoks \bididot@charclass \bididigits@charclass = {\DigitsDotDashInterCharTok
1908 \XeTeXinterchartoks \bididigits@charclass \bididash@charclass = {\DigitsDotDashInterCharTok
1909 \XeTeXinterchartoks \bididash@charclass \bididigits@charclass = {\DigitsDotDashInterCharTok
1910 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}

```

7.16 bidi.tex

```

1911 \def\bididate{2015/10/16}
1912 \def\bidiversion{v0.3}
1913 \catcode\@=11
1914 \let \protect \relax
1915 \newlinechar`^^J
1916 \edef\@bidi@info{*****^^J%
1917 * ^^J%
1918 * bidi package (Bidirectional typesetting in^^J%
1919 * plain TeX and LaTeX, using XeTeX engine)^^J%
1920 * ^^J%
1921 * Description: A convenient interface for^^J%
1922 * typesetting bidirectional texts in plain TeX^^J%
1923 * and LaTeX. The package includes adaptations^^J%
1924 * for use with many other commonly-used packages.^^J%
1925 * ^^J%
1926 * Copyright (c) 2009--2015 Vafa Khalighi^^J%
1927 * ^^J%
1928 * \bididate, \bidiversion^^J%
1929 * ^^J%
1930 * License: LaTeX Project Public License, version^^J%
1931 * 1.3c or higher (your choice)^^J%
1932 * ^^J%
1933 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1934 * ^^J%
1935 * Issue tracker: https://github.com/tex-xet/bidi/issues^^J%
1936 * ^^J%
1937 * Support: persian-tex@tug.org^^J%
1938 * ^^J%
1939 * Instagram: https://www.instagram.com/persiantex^^J%
1940 * ^^J%
1941 *****}
1942 \message{\@bidi@info}
1943 \edef\@bidi@everyjob{\the\everyjob}

```



```

1944 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1945 \input iftex.sty
1946 \RequireXeTeX
1947 \newif\if@RTLmain
1948 \newif\if@RTL
1949 \newif\if@hboxRconstruct
1950 \newif\if@sentedir
1951 \newif\if@RTL@footnote
1952 \@RTLmainfalse
1953 \def\setRTLmain{%
1954   \if@RTLmain\else
1955     \if@RTL\@RTLmaintrue%
1956     \else\@RTLmainfalse%
1957     \fi%
1958   \fi%
1959 }
1960 \let\n@xt=\
1961 \protected\def\LRE{\protect\pLRE}%
1962 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1963 \protected\def\RLE{\protect\pRLE}
1964 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1965 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1966   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1967 \input plain-xetex-bidi.def
1968 \catcode`\@=12

```

7.17 bidi2in1.sty

```

1969 \NeedsTeXFormat{LaTeX2e}
1970 \ProvidesPackage{bidi2in1}
1971 \pagestyle{plain}
1972 \newcount\evenpage
1973 \newcount\oddpge
1974 \twocolumn
1975 \def\@oddfont{\evenpage=\thepage%
1976 \multiply\evenpage by 2%
1977 \oddpge=\the\evenpage%
1978 \advance\oddpge by -1%
1979 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1980 \def\@evenfont{\evenpage=\thepage%
1981 \multiply\evenpage by 2%
1982 \oddpge=\the\evenpage%
1983 \advance\oddpge by -1%
1984 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
1985 \textwidth 9.49in
1986 \textheight 6.7in
1987 \columnsep 0.9in
1988 \columnseprule 0.125pt
1989 \headheight 0cm
1990 \topmargin 0in

```



```

1991 \marginparwidth 0in
1992 \marginparsep 0in
1993 \hoffset 0.05in % Corrected
1994 \voffset -0.5in %top margin space is 1.0in by default
1995 \oddsidemargin 0in
1996 \evensidemargin 0in
1997 \headsep 0cm
1998 \topskip 0cm
1999 \parskip 0.15in      %
2000 \headsep 0pt
2001 \special{papersize=11.69in,8.26in}
2002 \renewcommand\maketitle{\par
2003 \begingroup
2004 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
2005 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
2006 \long\def\@makefntext##1{\parindent 1em\noindent
2007 \hb@xt@1.8em{%
2008 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
2009 \@maketitle
2010 \@thanks
2011 \endgroup
2012 \setcounter{footnote}{0}%
2013 \global\let\thanks\relax
2014 \global\let\maketitle\relax
2015 \global\let\@maketitle\relax
2016 \global\let\@thanks\@empty
2017 \global\let\@author\@empty
2018 \global\let\@date\@empty
2019 \global\let\@title\@empty
2020 \global\let\title\relax
2021 \global\let\author\relax
2022 \global\let\date\relax
2023 \global\let\and\relax
2024 }

```

7.18 bidicode.sty

```

2025 \NeedsTeXFormat{LaTeX2e}
2026 \ProvidesPackage{bidicode}
2027 \RequirePackage{xcolor}
2028 \RequirePackage{showexpl}
2029 \definecolor{hellgelb}{rgb}{1,1,0.85}
2030 \definecolor{colKeys}{rgb}{0,0,1}
2031 \definecolor{colIdentifier}{rgb}{0,0,0}
2032 \definecolor{colComments}{rgb}{1,0,0}
2033 \definecolor{colString}{rgb}{0,0.5,0}
2034 \lstset{
2035     language=[LaTeX]TEX,
2036     float=hb,
2037     basicstyle=\ttfamily\small,

```



```

2038   identifierstyle=\color{colIdentifier},
2039   keywordstyle=\color{colKeys},
2040   stringstyle=\color{colString},
2041   commentstyle=\color{colComments},
2042   columns=flexible,
2043   tabsize=4,
2044   gobble =1,
2045   extendedchars=true,
2046   showspaces=false,
2047   showstringspaces=false,
2048   numbers=left,
2049   numbersep=0.9em,
2050   numberstyle=\tiny, %
2051   frame=single,
2052   captionpos=b,
2053   xleftmargin=1em,
2054   breaklines=true,
2055   breakautoindent=false,
2056   breakindent=0pt,
2057   escapeinside=**,
2058   pos=r,
2059   explpreset={%
2060   xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
2061   morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
2062 }
2063 \newcommand\HLON{%
2064   \gdef\lst@alloverstyle##1{%
2065     \fboxrule=0pt
2066     \fboxsep=0pt
2067     \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
2068 }}
2069 \newcommand\HLOFF{%
2070   \xdef\lst@alloverstyle##1{##1}%
2071 }
2072 \newcommand\Larg [1]{\normalfont\itshape#1/}
2073 \newcommand\Larga[1]{\langle$\Larg{#1}$\rangle$}
2074 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
2075 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
2076 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
2077 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{ }begin\lcb#1\rcb}
2078 \newcommand\LEND[1]{\normalfont\ttfamily\bs{ }end\lcb#1\rcb}
2079
2080 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
2081 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
2082 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`}}
2083 \DeclareRobustCommand\lsb{\normalfont\ttfamily[]}
2084 \DeclareRobustCommand\rsb{\normalfont\ttfamily[]}}
2085 \DeclareRobustCommand\lrb{\normalfont\ttfamily()}
2086 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}}
2087

```



```

2088 \def\Lcs#1{\nxLcs{#1}}
2089 \def\LcsStar#1{\nxLcs{#1}\OptArg*{*}}
2090 \def\nxLcs#1{\texttt{\symbol{92}#1}}
2091
2092 \def\Coordx#1{$x_{#1}$}
2093 \def\Coordy#1{$y_{#1}$}
2094 \def\Coordz#1{$z_{#1}$}
2095 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2096 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2097 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2098 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
2099 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
2100 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
2101 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
2102 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
2103 \def\coordx#1{($x_{#1}$)}
2104 \def\coordy#1{($y_{#1}$)}
2105 \def\coordz#1{($z_{#1}$)}
2106 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
2107 \def\ciiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
2108
2109 \newsavebox{\boxdef}
2110 \newenvironment{BDef}
2111   {\begin{lrbox}\boxdef
2112     \def\arraystretch{1.0}
2113     \begin{tabular}{@{}l@{}l@{}l@{}}
2114   }
2115   {\end{tabular}\end{lrbox}}
2116
2117   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2118   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2119 }
2120
2121 \newenvironment{BDef*}
2122   {\begin{lrbox}\boxdef
2123     \def\arraystretch{1.0}
2124     \begin{tabular}{@{}l@{}l@{}l@{}}
2125   }
2126   {\end{tabular}\end{lrbox}}
2127   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
2128   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2129 }
2130 \newenvironment{BCmd}{
2131   \@beginparpenalty-\@lowpenalty
2132   \topsep\BDefaboveskip
2133   \fbboxsep3pt
2134   \flushleft}
2135   {\@endparpenalty\@M
2136   \@topsepadd\BDefbelowskip
2137   \endflushleft}

```



```

2138
2139 \newenvironment{BCmd*}{
2140   \@beginparpenalty\@M
2141   \topsep\BDefinelineskip
2142   \fbboxsep3pt
2143   \flushleft}
2144 {\@endparpenalty5000
2145   \endflushleft}
2146
2147 \newskip\BDefaboveskip
2148 \newskip\BDefbelowskip
2149 \newskip\BDefinlineskip
2150 \setlength\BDefaboveskip{10pt plus 4pt}
2151 \setlength\BDefbelowskip{6pt}
2152 \setlength\BDefinlineskip{6pt}
2153
2154 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
2155 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2156 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
2157 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

7.19 bidiftnxtra.sty

```

2158 \NeedsTeXFormat{LaTeX2e}
2159 \ProvidesPackage{bidiftnxtra}
2160 \newtoks\bidip@ftn
2161 \let\FN@sfc@footnote\footnote
2162 \let\FN@sfc@LTRfootnote\LTRfootnote
2163 \let\FN@sfc@RTLfootnote\RTLfootnote
2164 \def\footnote{\ifx\protect\@typeset@protect
2165   \expandafter\FN@sfc@footnote
2166   \else
2167     \expandafter\FN@sfc@gobble@opt
2168   \fi
2169 }
2170 \def\LTRfootnote{\ifx\protect\@typeset@protect
2171   \expandafter\FN@sfc@LTRfootnote
2172   \else
2173     \expandafter\FN@sfc@gobble@opt
2174   \fi
2175 }
2176 \def\RTLfootnote{\ifx\protect\@typeset@protect
2177   \expandafter\FN@sfc@RTLfootnote
2178   \else
2179     \expandafter\FN@sfc@gobble@opt
2180   \fi
2181 }
2182 \edef\FN@sfc@gobble@opt{\noexpand\protect
2183   \expandafter\noexpand\csname FN@sfc@gobble@opt \endcsname}
2184 \expandafter\def\csname FN@sfc@gobble@opt \endcsname{%

```




```

2185 \@ifnextchar [%]
2186 \FN@sfgobble@twobracket
2187 \gobble
2188 }
2189 \def\FN@sfgobble@twobracket[#1]#2{
2190 \let\FN@sfgobble@footnotemark\footnotemark
2191 \def\footnotemark{\ifx\protect\@typeset@protect
2192 \expandafter\FN@sfgobble@footnotemark
2193 \else
2194 \expandafter\FN@sfgobble@optonly
2195 \fi
2196 }
2197 \edef\FN@sfgobble@optonly{\noexpand\protect
2198 \expandafter\noexpand\csname FN@sfgobble@optonly \endcsname}
2199 \expandafter\def\csname FN@sfgobble@optonly \endcsname{%
2200 \@ifnextchar [%]
2201 \FN@sfgobble@bracket
2202 }%
2203 }
2204 \def\FN@sfgobble@bracket[#1]{
2205 \def\@tabular{%
2206 \leavevmode \hbox \bgroup
2207 \let\@footnotetext\bidip@ftntext
2208 \let\@LTRfootnotetext\bidip@LTRftntext
2209 \let\@RTLfootnotetext\bidip@RTLftntext
2210 \let\@xfootnotenext\bidip@xftntext
2211 \let\@xfootnote\bidip@xfootnote
2212 \let\@xLTRfootnotenext\bidip@xLTRftntext
2213 \let\@xLTRfootnote\bidip@xLTRfootnote
2214 \let\@xRTLfootnotenext\bidip@xRTLftntext
2215 \let\@xRTLfootnote\bidip@xRTLfootnote
2216 \if@RTLtab\beginR \fi
2217 $\let\@acol\@tabacol
2218 \let\@classz\@tabclassz
2219 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
2220 \def\endtabular{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
2221 \egroup $\if@RTLtab\endR\fi\egroup
2222 \ifx\@capytype\undefined
2223 \global\bidip@ftn\expandafter{\expandafter}\the\bidip@ftn\fi}
2224 \long\def\bidip@ftntext#1{%
2225 \edef\@tempy{\the\bidip@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}}%
2226 \global\bidip@ftn\expandafter{\@tempy{#1}}}%
2227 \long\def\bidip@LTRftntext#1{%
2228 \edef\@tempyi{\the\bidip@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}}%
2229 \global\bidip@ftn\expandafter{\@tempyi{#1}}}%
2230 \long\def\bidip@RTLftntext#1{%
2231 \edef\@tempyii{\the\bidip@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}}%
2232 \global\bidip@ftn\expandafter{\@tempyii{#1}}}%
2233
2234

```



```

2235 \long\def\bidip@xftntext[#1]#2{%
2236   \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}}
2237
2238 \long\def\bidip@xLTRftntext[#1]#2{%
2239   \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}}
2240
2241 \long\def\bidip@xRTLftntext[#1]#2{%
2242   \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}}
2243
2244
2245 \def\bidip@xfootnote[#1]{%
2246   \begingroup
2247     \csname c@\@mpfn\endcsname #1\relax
2248     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2249   \endgroup
2250   \@footnotemark\bidip@xftntext[#1]}
2251
2252
2253 \def\bidip@xLTRfootnote[#1]{%
2254   \begingroup
2255     \csname c@\@mpfn\endcsname #1\relax
2256     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2257   \endgroup
2258   \@footnotemark\bidip@xLTRftntext[#1]}
2259
2260
2261 \def\bidip@xRTLfootnote[#1]{%
2262   \begingroup
2263     \csname c@\@mpfn\endcsname #1\relax
2264     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2265   \endgroup
2266   \@footnotemark\bidip@xRTLftntext[#1]}
2267
2268 \def\@xfloat #1[#2]{%
2269   \@nodoocument
2270   \def \@capttype {#1}%
2271   \def \@fps {#2}%
2272   \@onelevel@sanitize \@fps
2273   \def \reserved@b {!}%
2274   \ifx \reserved@b \@fps
2275     \@fpsadddefault
2276   \else
2277     \ifx \@fps \@empty
2278       \@fpsadddefault
2279     \fi
2280   \fi
2281   \ifhmode
2282     \@bsphack
2283     \@floatpenalty -\@Mii
2284   \else

```



```

2285     \@floatpenalty-\@Miii
2286     \fi
2287     \ifinner
2288         \@parmoderr\@floatpenalty\z@
2289     \else
2290         \@next\@currbox\@freelist
2291         {%
2292             \@tempcnta \sixt@@n
2293             \expandafter \@tfor \expandafter \reserved@a
2294                 \expandafter :\expandafter =\@fps
2295             \do
2296             {%
2297                 \if \reserved@a h%
2298                     \ifodd \@tempcnta
2299                     \else
2300                         \advance \@tempcnta \@ne
2301                     \fi
2302                 \fi
2303                 \if \reserved@a t%
2304                     \@setfpsbit \tw@
2305                 \fi
2306                 \if \reserved@a b%
2307                     \@setfpsbit 4%
2308                 \fi
2309                 \if \reserved@a p%
2310                     \@setfpsbit 8%
2311                 \fi
2312                 \if \reserved@a !%
2313                     \ifnum \@tempcnta>15
2314                         \advance\@tempcnta -\sixt@@n\relax
2315                     \fi
2316                 \fi
2317             }%
2318             \@tempcntb \csname ftype@\@captype \endcsname
2319             \multiply \@tempcntb \@xxxii
2320             \advance \@tempcnta \@tempcntb
2321             \global \count\@currbox \@tempcnta
2322         }%
2323     \@fltovf
2324     \fi
2325     \global \setbox\@currbox
2326         \color@vbox
2327         \normalcolor
2328         \vbox \bgroup
2329             \let\@footnotetext\@bidi@p@fnttext
2330             \let\@LTRfootnotetext\@bidi@p@LTRfnttext
2331             \let\@RTLfootnotetext\@bidi@p@RTLfnttext
2332             \let\@xfootnotenext\@bidi@p@xftntext
2333             \let\@xfootnote\@bidi@p@xfootnote
2334             \let\@xLTRfootnotenext\@bidi@p@xLTRfnttext

```



```

2335      \let\xLTRfootnote\bidip@xLTRfootnote
2336      \let\xRTLfootnotenext\bidip@xRTLftntext
2337      \let\xRTLfootnote\bidip@xRTLfootnote
2338      \hsize\columnwidth
2339      \@parboxrestore
2340      \@floatboxreset
2341  }
2342  \def \endfloatbox{%
2343      \par\vskip\z@skip          %% \par\vskip\z@ added 15 Dec 87
2344      \minipagefalse
2345      \outer@nobreak
2346      \egroup                    %% end of vbox
2347      \global\bidip@ftn\expandafter{\expandafter}\the\bidip@ftn
2348      \color@endbox
2349  }

```

```

2350 \NeedsTeXFormat{LaTeX2e}
2351 \ProvidesClass{bidimoderncv}
2352 \newif\if@DEBUG@@DEBUGfalse
2353 \DeclareOption{a4paper}{
2354   \setlength\paperheight{297mm}
2355   \setlength\paperwidth{210mm}}
2356 \DeclareOption{a5paper}{
2357   \setlength\paperheight{210mm}
2358   \setlength\paperwidth{148mm}}
2359 \DeclareOption{b5paper}{
2360   \setlength\paperheight{250mm}
2361   \setlength\paperwidth{176mm}}
2362 \DeclareOption{letterpaper}{
2363   \setlength\paperheight{11in}
2364   \setlength\paperwidth{8.5in}}
2365 \DeclareOption{legalpaper}{
2366   \setlength\paperheight{14in}
2367   \setlength\paperwidth{8.5in}}
2368 \DeclareOption{executivepaper}{
2369   \setlength\paperheight{10.5in}
2370   \setlength\paperwidth{7.25in}}
2371 \DeclareOption{landscape}{
2372   \setlength\@tempdima{\paperheight}
2373   \setlength\paperheight{\paperwidth}
2374   \setlength\paperwidth{\@tempdima}}
2375 \newcommand\@ptsize{}
2376 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2377 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2378 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2379 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2380 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2381 \newif\if@colour@colourtrue

```



```

2382 \DeclareOption{nocolour}{\@colourfalse}
2383 \ExecuteOptions{a4paper,11pt,colour,final}
2384 \ProcessOptions\relax
2385 \input{size1\@ptsize.clo}
2386 \RequirePackage{color}
2387 \RequirePackage{graphicx}
2388 \RequirePackage{ifthen}
2389 \RequirePackage{marvosym}
2390 \addtolength{\oddsidemargin}{-54pt}
2391 \addtolength{\textwidth}{109pt}
2392 \addtolength{\topmargin}{-70pt}
2393 \addtolength{\textheight}{122pt}
2394 \addtolength{\marginparsep}{-5pt}
2395 \addtolength{\marginparwidth}{-10pt}
2396 \RequirePackage{url}
2397 \RequirePackage{hyperref}
2398 \hypersetup{%
2399   breaklinks,
2400   baseurl      = http://,%
2401   pdfborder    = 0 0 0,%
2402   pdfpagemode  = UseNone,%
2403   pdfstartpage = 1}
2404 \AtEndOfClass{%
2405   \AtBeginDocument{%
2406     \hypersetup{%
2407       pdfauthor   = \@firstname~\@familyname,%
2408       pdftitle    = \@title,%
2409       pdfsubject  = \@firstname~\@familyname,%
2410       pdfkeywords = \@resumename~\@firstname~\@familyname}}}
2411 \urlstyle{tt}
2412 \RequirePackage{fancyhdr}
2413 \fancypagestyle{plain}{%
2414   \renewcommand{\headrulewidth}{0pt}
2415   \renewcommand{\footrulewidth}{0pt}
2416   \fancyhf{}}
2417 \pagestyle{plain}
2418 \setlength\lineskip{1\p@}
2419 \setlength\normallineskip{1\p@}
2420 \renewcommand\baselinestretch{}
2421 \setlength{\parindent}{0pt}
2422 \setlength{\parskip}{0pt}
2423 \setlength\columnsep{10\p@}
2424 \setlength\columnseprule{0\p@}
2425 \pagestyle{empty}
2426 \pagenumbering{arabic}
2427 \raggedbottom
2428 \onecolumn
2429 \providecommand*\listitemsymbol{\textbullet}
2430 \providecommand*\addresssymbol{}
2431 \providecommand*\mobilesymbol{\Mobilefone}

```



```

2432 \providecommand*\phonesymbol{\Telefon}
2433 \providecommand*\faxsymbol{\FAX}
2434 \providecommand*\emailsymbol{\Letter}
2435 \definecolor{firstnamecolor}{rgb}{0,0,0}
2436 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2437 \def\familynamcolour#1{\gdef\@familynamcolour{\addfontfeature{Color=#1}}}
2438 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2439 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2440 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2441 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2442 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2443 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2444 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2445 \providecommand*\{firstnamefont}\{}
2446 \providecommand*\{familynamefont}\{}
2447 \providecommand*\{titlefont}\{}
2448 \providecommand*\{addressfont}\{}
2449 \providecommand*\{quote\font}\{}
2450 \providecommand*\{sectionfont}\{}
2451 \providecommand*\{subsectionfont}\{}
2452 \providecommand*\{hintfont}\{\small}
2453 \providecommand*\{firstnamestyle}[1]{\{\@firstnamefont\@firstnamecolour#1\}}
2454 \providecommand*\{familynamestyle}[1]{\{\@familynamefont\@familynamecolour#1\}}
2455 \providecommand*\{titlestyle}[1]{\{\@titlefont\@titlecolour#1\}}
2456 \providecommand*\{addresstyle}[1]{\{\@addressfont\@addresscolour#1\}}
2457 \providecommand*\{quotestyle}[1]{\{\@quote\font\@quotecolour#1\}}
2458 \providecommand*\{sectionstyle}[1]{\{\@sectionfont\@sectiontitlecolour#1\}}
2459 \providecommand*\{subsectionstyle}[1]{\{\@subsectionfont\@subsectioncolour#1\}}
2460 \providecommand*\{hintstyle}[1]{\{\@hintfont\@hintcolour#1\}}
2461 \newcommand*\{cvtheme}[2][\{}
2462 \def\@cvtheme{#2}
2463 \def\@cvthemeoptions{#1}
2464 \cvtheme{bidi-casual}
2465 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2466 \newcommand*\{resumename}[1]{\def\@resumename{#1}}
2467 \newcommand*\{firstname}[1]{\def\@firstname{#1}}
2468 \newcommand*\{familyname}[1]{\def\@familyname{#1}}
2469 \renewcommand*\{title}[1]{\def\@title{#1}}
2470 \newcommand*\{address}[1]{\def\@address{#1}}
2471 \newcommand*\{mobile}[1]{\def\@mobile{#1}}
2472 \newcommand*\{phone}[1]{\def\@phone{#1}}
2473 \renewcommand*\{fax}[1]{\def\@fax{#1}}
2474 \newcommand*\{email}[1]{\def\@email{#1}}
2475 \newcommand*\{extrainfo}[1]{\def\@extrainfo{#1}}
2476 \def\@photowidth{0pt}
2477 \newcommand*\{photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2478 \newcommand*\{quote}[1]{\def\@quote{#1}}
2479 \newlength\{quotewidth}
2480 \newlength\{hintscolumnwidth}
2481 \newlength\{separatorcolumnwidth}

```



```

2482 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2483 \newlength{\maincolumnwidth}
2484 \newlength{\doubleitemmaincolumnwidth}
2485 \newlength{\listitemsymbolwidth}
2486 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}~}
2487 \newlength{\listitemmaincolumnwidth}
2488 \newlength{\listdoubleitemmaincolumnwidth}
2489 \newcommand*\recomputethemelengths{}
2490 \newcommand*\recomputelengths{%
2491 \setlength{\quotewidth}{0.65\textwidth}%
2492 \setlength{\maincolumnwidth}{\textwidth}%
2493 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2494 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2495 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2496 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2497 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2498 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2499 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2500 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2501 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2502 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2503 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2504 \renewcommand{\headwidth}{\textwidth}%
2505 \recomputethemelengths}
2506 \setlength{\hintscolumnwidth}{0.15\textwidth}
2507 \recomputelengths
2508 \title{}
2509 \renewcommand*\maketitle{}
2510 \newcommand*\section}[1]{%
2511 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2512 \phantomsection}%
2513 \addcontentsline{toc}{part}{#1}%
2514 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglec}
2515 \hspace{\separatorcolumnwidth}%
2516 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\[1ex]}
2517 \newcommand*\subsection}[1]{%
2518 \cvline[0.45em]{}{\subsectionstyle{#1}}}
2519 \newcommand*\cvline}[3][.25em]{%
2520 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}
2521 \bidi@raggedleft\hintfont{#2} &{#3}%
2522 \end{tabular}\[\[#1]}
2523 \newcommand*\cvdoubleitem}[4]{%
2524 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2525 \hfill%
2526 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\s
2527 \newcommand*\cvlistitem}[2][\listitemsymbol]{%
2528 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}
2529 \newcommand*\cvlistdoubleitem}[3][\listitemsymbol]{%
2530 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2531 \hfill%

```



```

2532 \ifthenelse{\equal{#3}{}}{%
2533   {}%
2534   {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
2535 \newcommand*{\cventry}[6]{%
2536   \cvline{#1}{%
2537     {\bfseries#2}%
2538     \ifx#3\else{, {\slshape#3}}\fi%
2539     \ifx#4\else{, #4}\fi%
2540     \ifx#5\else{, #5}\fi%
2541     .%
2542     \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2543   }%
2544 \newcommand*{\cvlanguage}[3]{%
2545   \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{
2546 \newcommand*{\cvcomputer}[4]{%
2547   \cdoubleitem{#1}{\small#2}{#3}{\small#4}}
2548 \newcommand*{\link}[2][{}]{%
2549   \ifthenelse{\equal{#1}{}}{%
2550     {\href{#2}{#2}}%
2551     {\href{#2}{#1}}}
2552 \newcommand*{\httplink}[2][{}]{%
2553   \ifthenelse{\equal{#1}{}}{%
2554     {\href{http://#2}{#2}}%
2555     {\href{http://#2}{#1}}}
2556 \newcommand*{\emailink}[2][{}]{%
2557   \ifthenelse{\equal{#1}{}}{%
2558     {\href{mailto:#2}{#2}}%
2559     {\href{mailto:#2}{#1}}}
2560 \newif\if@displaypagenumbers\@displaypagenumberstrue
2561 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2562 \AtBeginDocument{%
2563   \if@displaypagenumbers%
2564     \ifundefined{r@lastpage}{}%
2565     \ifthenelse{\pageref{lastpage} > 1}{%
2566       \fancypagestyle{plain}{%
2567         \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\page
2568         \pagestyle{plain}}}%
2569     \AtEndDocument{\label{lastpage}}%
2570     \fi}
2571 \newlength{\bibindent}
2572 \setlength{\bibindent}{1.5em}
2573 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2574 \newenvironment{thebibliography}[1]{%
2575   {%
2576     \section{\refname}%
2577     \small%
2578     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2579     \begin{list}{\bibliographyitemlabel}%
2580       {%
2581         \setlength{\topsep}{0pt}%

```




```

2582     \setlength{\labelwidth}{\hintscolumnwidth}%
2583     \setlength{\labelsep}{\separatorcolumnwidth}%
2584     \leftmargin\labelwidth%
2585     \advance\leftmargin\labelsep%
2586     \@openbib@code%
2587     \usecounter{enumiv}%
2588     \let\p@enumiv\@empty%
2589     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2590     \sloppy\clubpenalty4000\widowpenalty4000%
2591 }%
2592 {%
2593   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2594   \end{list}%
2595 }
2596 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2597 \let\@openbib@code\@empty

```

7.21 biditools.sty

```

2598 \NeedsTeXFormat{LaTeX2e}
2599 \ProvidesPackage{biditools}[2016/11/30 v0.9 Programming tools for bidi package]
2600 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\\relax
2601   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2602   \ifx\@tempa\@tempb \global\let#2#1%
2603   \else
2604     \edef\@tempb{\meaning#2}%
2605     \ifx\@tempa\@tempb
2606     \else
2607       \@latex@error{Unable to properly define \string#2; primitive
2608         \noexpand#1no longer primitive}\@eha
2609     \fi
2610   \fi
2611   \endgroup}
2612 \newtoks\@bidi@envbody
2613 \newtoks\@bidi@emptytoks
2614 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2615 \def\bidi@collect@body#1{%
2616   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2617   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
2618   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2619   \begingroup
2620   \expandafter\let\csname\@currentvir\endcsname\bidi@collect@@body
2621   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
2622   \bidi@process@envbody
2623 }
2624 \def\bidi@push@begins#1\begin#2{%
2625   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2626 }
2627 \def\bidi@collect@@body#1\end#2{%
2628   \edef\began@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}

```



```

2629 \ifx\@empty\begin@bidi@stack
2630 \endgroup
2631 \@checkend{#2}%
2632 \bidi@addto@envbody{#1}%
2633 \else
2634 \bidi@addto@envbody{#1\end{#2}}%
2635 \fi
2636 \bidi@process@envbody % A little tricky! Note the grouping
2637 }
2638 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2639 \long\def\bidi@collect@long@body#1{%
2640 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2641 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2642 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2643 \begingroup
2644 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@long@@body
2645 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2646 \bidi@process@envbody
2647 }
2648 \long\def\bidi@push@long@begins#1\begin#2{%
2649 \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2650 }
2651 \long\def\bidi@collect@long@@body#1\end#2{%
2652 \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
2653 \ifx\@empty\begin@bidi@stack
2654 \endgroup
2655 \@checkend{#2}%
2656 \bidi@addto@long@envbody{#1}%
2657 \else
2658 \bidi@addto@long@envbody{#1\end{#2}}%
2659 \fi
2660 \bidi@process@envbody % A little tricky! Note the grouping
2661 }
2662 \long\def\bidi@new@ifnextchar#1#2#3{%
2663 \let\reserved@d= #1%
2664 \def\reserved@a{#2}\def\reserved@b{#3}%
2665 \futurelet\@let@token\bidi@new@ifnch
2666 }
2667 \def\bidi@new@ifnch{%
2668 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2669 \reserved@b
2670 }
2671 \def\bidi@matrix@check#1{%
2672 \expandafter\ifx\csname\@currenvir\endcsname#1%
2673 \else\bidi@matrix@error#1%
2674 \expandafter\@gobble
2675 \fi
2676 }
2677 \def\bidi@matrix@error#1{%
2678 \PackageError{biditools}{%

```



```

2679 Old form ``string#1' should be \string\begin{\expandafter@gobble\string#1}%
2680 }{%
2681 ``string#1{...}' is old bidi package syntax whose use is
2682 ill-advised in the old versions of bidi package.%
2683 }%
2684 }
2685 \def\@tagsextension{clo}
2686 \def\@definitionfileextension{def}
2687 \def\@texfileextension{tex}
2688 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2689 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2690 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2691 \def\eqnewif#1#2{%
2692   \count@\escapechar \escapechar\m@ne
2693   \let#1\iffalse
2694   \let#2\iffalse
2695   \eq@if#1#2\iftrue
2696   \eq@if#1#2\iffalse
2697   \escapechar\count@}
2698 \def\eq@if#1#2#3{%
2699   \expandafter\def\csname\expandafter@gobbletwo\string#1%
2700     \expandafter@gobbletwo\string#3\endcsname
2701     {\let#1#3%
2702     \let#2#3}%
2703   \expandafter\def\csname\expandafter@gobbletwo\string#2%
2704     \expandafter@gobbletwo\string#3\endcsname
2705     {\let#2#3%
2706     \let#1#3}}
2707 \newcommand*\@SetBoolean}[2]{%
2708   \lowercase{\def\@tempa{#2}}%
2709   \@ifundefined{\@tempa\@tempa}%
2710   {\PackageError{biditools}%
2711     {You can only set a boolean to `true' or `false'}\@ehc}%
2712   {\@ifundefined{#1\@tempa}%
2713     {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2714     {\csname#1\@tempa\endcsname}}}
2715 \newcommand*\@GlobalSetBoolean}[2]{%
2716   \lowercase{\def\@tempa{#2}}%
2717   \@ifundefined{\@tempa\@tempa}%
2718   {\PackageError{biditools}%
2719     {You can only set a boolean to `true' or `false'}\@ehc}%
2720   {\@ifundefined{#1\@tempa}%
2721     {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2722     {\global\csname#1\@tempa\endcsname}}}
2723 \newcommand*\@SetatBoolean}[2]{%
2724   \lowercase{\def\@tempa{#2}}%
2725   \@ifundefined{\@tempa\@tempa}%
2726   {\PackageError{biditools}%
2727     {You can only set a boolean to `true' or `false'}\@ehc}%
2728   {\@ifundefined{\@#1\@tempa}%

```



```

2729     {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2730     {\csname @#1\@tempa\endcsname}}
2731 \newcommand*\GlobalSetatBoolean[2]{%
2732   \lowercase{\def\@tempa{#2}}%
2733   \@ifundefined{@tempa\@tempa}%
2734   {\PackageError{biditools}%
2735     {You can only set a boolean to `true' or `false'}\@ehc}%
2736   {\@ifundefined{@#1\@tempa}%
2737     {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2738     {\global\csname @#1\@tempa\endcsname}}}
2739 \def\@bidi@removefromreset#1#2{%
2740   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2741   \def\@elt##1{%
2742     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2743       \else
2744         \noexpand\@elt{##1}%
2745       \fi}%
2746   \expandafter\xdef\csname cl@#2\endcsname{%
2747     \csname cl@#2\endcsname}}
2748 \newcommand*\@ifRtoL{%
2749   \if@RTL
2750     \expandafter\@firstoftwo
2751   \else
2752     \expandafter\@secondoftwo
2753   \fi}
2754 \newcommand*\@ifLtoR{%
2755   \if@RTL
2756     \expandafter\@secondoftwo
2757   \else
2758     \expandafter\@firstoftwo
2759   \fi}
2760 \newcommand*\@ifRtoLtable{%
2761   \if@RTLtab
2762     \expandafter\@firstoftwo
2763   \else
2764     \expandafter\@secondoftwo
2765   \fi}
2766 \newcommand*\@ifLtoRtable{%
2767   \if@RTLtab
2768     \expandafter\@secondoftwo
2769   \else
2770     \expandafter\@firstoftwo
2771   \fi}
2772 \newcommand*\@ifRtoLhboxconstruct{%
2773   \if@hboxRconstruct
2774     \expandafter\@firstoftwo
2775   \else
2776     \expandafter\@secondoftwo
2777   \fi}
2778 \newcommand*\@ifLtoRhboxconstruct{%

```



```

2779 \if@hboxRconstruct
2780 \expandafter\@secondoftwo
2781 \else
2782 \expandafter\@firstoftwo
2783 \fi}
2784 \newcommand*\if@latin{%
2785 \if@nonlatin
2786 \expandafter\@secondoftwo
2787 \else
2788 \expandafter\@firstoftwo
2789 \fi}
2790 \newcommand*\if@nonlatin{%
2791 \if@nonlatin
2792 \expandafter\@firstoftwo
2793 \else
2794 \expandafter\@secondoftwo
2795 \fi}
2796
2797 \newcommand*\@bidi@convert@dimen@t@unit}[2]{%
2798 \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
2799
2800 \newcommand*\@bidi@convert@dimen@t@pt}[1]{%
2801 \dimexpr #1*65536/\dimexpr 1pt\relax}
2802
2803 \newcommand*\if@bidi@csdef}[1]{%
2804 \ifcsname#1\endcsname
2805 \expandafter\@firstoftwo
2806 \else
2807 \expandafter\@secondoftwo
2808 \fi}
2809 \newcommand*\if@bidi@csundef}[1]{%
2810 \ifcsname#1\endcsname
2811 \expandafter\ifx\csname#1\endcsname\relax
2812 \expandafter\expandafter
2813 \expandafter\@firstoftwo
2814 \else
2815 \expandafter\expandafter
2816 \expandafter\@secondoftwo
2817 \fi
2818 \else
2819 \expandafter\@firstoftwo
2820 \fi}
2821 \newcommand*\if@bidi@def}[1]{%
2822 \ifdefined#1%
2823 \expandafter\@firstoftwo
2824 \else
2825 \expandafter\@secondoftwo
2826 \fi}
2827 \newcommand*\if@bidi@undef}[1]{%
2828 \ifdefined#1%

```



```

2829 \ifx#1\relax
2830 \expandafter\expandafter
2831 \expandafter\@firstoftwo
2832 \else
2833 \expandafter\expandafter
2834 \expandafter\@secondoftwo
2835 \fi
2836 \else
2837 \expandafter\@firstoftwo
2838 \fi}
2839 \newcommand{\if@bidi@blank}[1]{% from url.sty
2840 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2841 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2842 \newcommand{\bidi@notblank}[1]{%
2843 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2844 \newcommand{\if@bidi@defmacro}{%
2845 \long\edef\if@bidi@defmacro#1{%
2846 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2847 \noexpand\meaning#1\detokenize{macro}:&}
2848 \edef\bidi@ifdefmacro{%
2849 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2850 \bidi@ifdefmacro{\bidi@notblank{#2}}
2851 \newcommand*{\if@bidi@csmacro}[1]{%
2852 \if@bidi@csdef{#1}
2853 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2854 {\@secondoftwo}}
2855 \newcommand{\if@bidi@defprimitive}[1]{%
2856 \ifprimitive#1%
2857 \expandafter\@firstoftwo
2858 \else
2859 \expandafter\@secondoftwo
2860 \fi}
2861 \newcommand{\if@bidi@cspprimitive}[1]{%
2862 \begingroup\expandafter\expandafter\expandafter\endgroup%
2863 \expandafter\ifprimitive\csname#1\endcsname%
2864 \expandafter\@firstoftwo
2865 \else
2866 \expandafter\@secondoftwo
2867 \fi}
2868 \newcommand*{\bidi@csdefcs}[2]{%
2869 \expandafter\@ifdefinable \csname#1\endcsname{%
2870 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2871 \newcommand*{\bidi@csletcs}[2]{%
2872 \expandafter\@ifdefinable \csname#1\endcsname{%
2873 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2874 \newcommand*{\bidi@cslet}[2]{%
2875 \expandafter\@ifdefinable \csname#1\endcsname{%
2876 \expandafter\let\csname#1\endcsname#2}}
2877 \newcommand{\bidi@namelongdef}[1]{%
2878 \long\expandafter\def\csname #1\endcsname}

```



```

2879 \def\ bidi@ensure@newcommand{\@star@or@long\ bidi@ensure@new@command}
2880 \def\ bidi@ensure@new@command#1{%
2881   \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2882   \expandafter\if@bidi@csundef\@gtempa
2883     {\new@command#1}{\relax%
2884     \let\@ifdefinable\@rc@ifdefinable%
2885     \new@command#1}}
2886 \def\ bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2887
2888 \protected\def\ bidi@error{\PackageError{bidi}}
2889 \protected\def\ bidi@warning{\PackageWarning{bidi}}
2890 \protected\def\ bidi@info{\PackageInfo{bidi}}
2891
2892
2893 \newcommand*{\setbaselineskip}[1]{%
2894   \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
2895   \selectfont
2896 }
2897
2898
2899 \newcommand*{\ bidi@newrobustcmd}{}
2900 \protected\def\ bidi@newrobustcmd{\@star@or@long\ bidi@new@command}
2901
2902 \def\ bidi@new@command#1{\@testopt{\ bidi@new@command#1}0}
2903
2904 \def\ bidi@new@command#1[#2]{%
2905   \@ifnextchar [%]
2906     {\ bidi@xargdef#1[#2]}
2907     {\ifx\l@ngrel@x\relax
2908       \let\l@ngrel@x\protected
2909       \else
2910       \protected\def\l@ngrel@x{\protected\long}%
2911       \fi
2912       \@argdef#1[#2]}}
2913
2914 \long\def\ bidi@xargdef#1[#2][#3]#4{%
2915   \@ifdefinable#1{%
2916     \expandafter\protected
2917     \expandafter\def
2918     \expandafter#1%
2919     \expandafter{%
2920       \expandafter\@testopt
2921       \csname\string#1\endcsname{#3}}%
2922     \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}}
2923
2924 \ bidi@newrobustcmd*{\ bidi@renewrobustcmd}{\@star@or@long\ bidi@renew@command}
2925
2926 \def\ bidi@renew@command#1{%
2927   \if@bidi@undef#1}
2928   {\ bidi@error{\string#1 undefined}\@ehc}

```



```

2929      {}%
2930      \let\@ifdefinable\@rc@ifdefinable
2931      \bidi@new@command#1}
2932
2933
2934
2935 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2936
2937 \def\bidi@provide@command#1{%
2938   \if@bidi@undef{#1}
2939     {\def\reserved@a{\bidi@new@command#1}}
2940     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2941   \reserved@a}
2942
2943 \newcommand*{\bidi@csuse}[1]{%
2944   \ifcsname#1\endcsname
2945     \csname#1\expandafter\endcsname
2946   \fi}
2947
2948 \newcommand{\bidi@expandonce}[1]{%
2949   \unexpanded\expandafter{#1}}
2950
2951 \def\bidi@protected{%
2952   \let\@@protect\protect
2953   \let\protect\@unexpandable@protect
2954   \afterassignment\restore@protect}
2955
2956 \bidi@newrobustcmd{\bidi@appto}[2]{%
2957   \if@bidi@undef{#1}
2958     {\edef#1{\unexpanded{#2}}}
2959     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2960 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2961   \if@bidi@undef{#1}
2962     {\edef#1{#2}}
2963     {\edef#1{\bidi@expandonce#1#2}}}
2964 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2965   \if@bidi@undef{#1}
2966     {\xdef#1{\unexpanded{#2}}}
2967     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2968 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2969   \if@bidi@undef{#1}
2970     {\xdef#1{#2}}
2971     {\xdef#1{\bidi@expandonce#1#2}}}
2972
2973 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2974 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2975
2976
2977
2978 \bidi@newrobustcmd{\bidi@preto}[2]{%

```




```

2979 \if@bidi@undef{#1}
2980   {\edef#1{\unexpanded{#2}}}
2981   {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2982 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2983   \if@bidi@undef{#1}
2984     {\edef#1{#2}}
2985     {\edef#1{#2\bidi@expandonce#1}}}
2986 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2987   \if@bidi@undef{#1}
2988     {\xdef#1{\unexpanded{#2}}}
2989     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2990 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2991   \if@bidi@undef{#1}
2992     {\xdef#1{#2}}
2993     {\xdef#1{#2\bidi@expandonce#1}}}
2994
2995 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2996 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2997
2998
2999
3000 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
3001 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
3002 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
3003 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
3004 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
3005 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
3006
3007
3008
3009 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
3010 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
3011 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
3012 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
3013 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
3014 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
3015
3016
3017
3018 \bidi@newrobustcmd{\if@bidi@patchable}{%
3019   \bidi@dbg@trce\if@bidi@patchable
3020   \begingroup
3021   \@makeother\#%
3022   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
3023
3024 \long\def\bidi@ifpatchable#1#2{%
3025   \endgroup
3026   \bidi@dbg@init#1%
3027   \if@bidi@undef{#1}
3028     {\bidi@dbg@fail{def}}\@secondoftwo}

```



```

3029 {\bidi@dbg@info{def}}%
3030 \if@bidi@defmacro{#1}
3031 {\bidi@dbg@info{mac}}%
3032 \bidi@ifscanable{#1}
3033 {\bidi@ifhashcheck{#2}
3034 {\bidi@dbg@info{tok}}%
3035 \bidi@ifpattern#1{#2}
3036 {\bidi@dbg@info{pat}}%
3037 \bidi@dbg@info{pos}\@firstoftwo}
3038 {\bidi@dbg@fail{pat}\@secondoftwo}}
3039 {\bidi@dbg@fail{hsh}\@secondoftwo}}
3040 {\bidi@dbg@fail{tok}\@secondoftwo}}
3041 {\bidi@dbg@fail{mac}\@secondoftwo}}}
3042
3043 \long\def\bidi@ifpatchable@i#1{%
3044 \endgroup
3045 \bidi@dbg@init#1%
3046 \if@bidi@undef{#1}
3047 {\bidi@dbg@fail{def}\@secondoftwo}
3048 {\bidi@dbg@info{def}}%
3049 \if@bidi@defmacro{#1}
3050 {\bidi@dbg@info{mac}}%
3051 \if@bidi@defparam{#1}
3052 {\bidi@dbg@info{prm}}%
3053 \bidi@ifscanable{#1}
3054 {\bidi@dbg@info{tok}}%
3055 \bidi@dbg@info{pos}\@firstoftwo}
3056 {\bidi@dbg@fail{tok}\@secondoftwo}}
3057 {\bidi@dbg@info{prl}}%
3058 \if@bidi@defprotected{#1}
3059 {\bidi@dbg@info{pro}}
3060 {}%
3061 \bidi@dbg@info{pos}\@firstoftwo}}
3062 {\bidi@dbg@fail{mac}\@secondoftwo}}}
3063
3064 \bidi@newrobustcmd*{\bidi@patchcmd}{%
3065 \bidi@dbg@trce\bidi@patchcmd
3066 \begingroup
3067 \@makeother\}%
3068 \bidi@@patchcmd}
3069
3070 \newcommand{\bidi@@patchcmd}[4][#####1]{%
3071 \bidi@ifpatchable#2{#3}
3072 {\bidi@dbg@succ{ret}}%
3073 \begingroup
3074 \edef\bidi@resrvda{%
3075 \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
3076 #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
3077 \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
3078 ####1\detokenize{#4}####2}%

```



```

3079     \edef\noexpand\bidiresrvda{%
3080         \noexpand\bidiresrvda\meaning#2&}}%
3081     \bidiresrvda
3082     \bidipatchcmd@scantoks\bidiresrvda
3083     \let#2\bidiresrvda
3084     \bidi@undef\bidiresrvda
3085     \@firstoftwo}
3086     {\@secondoftwo}}
3087
3088 \def\bidipatchcmd@scantoks#1{%
3089     \edef\bidiresrvda{\endgroup
3090         \unexpanded{\makeatletter\scantokens}{#1}%
3091         \catcode\number`\@=\the\catcode`\@ \relax}%
3092     \bidiresrvda}
3093
3094 \newcommand\bidisloaded[2][{}{
3095     \expandafter\ifx\csname if@bidisloaded@ \endcsname \relax
3096         \expandafter\newif\csname if@bidisloaded@ \endcsname
3097     \fi
3098     \@ifpackageloaded{#2}
3099     {\csname @bidisloaded@true \endcsname #1}
3100     {\csname @bidisloaded@false \endcsname}}
3101
3102 \protected\def\bidifscanable#1{%
3103     \begingroup
3104     \edef\bidiresrvda{%
3105         \def\noexpand\bidiresrvda####1\detokenize{macro}:####2->####3&{%
3106             ####1\def\string\bidiresrvda####2{####3}}}%
3107     \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda\meaning#1&}}%
3108     \bidiresrvda
3109     \makeatletter
3110     \scantokens\expandafter{\bidiresrvda}%
3111     \expandafter\endgroup\ifx#1\bidiresrvda
3112         \expandafter\@firstoftwo
3113     \else
3114         \expandafter\@secondoftwo
3115     \fi}
3116
3117
3118 \protected\long\def\bidifhashcheck#1{%
3119     \begingroup
3120     \edef\bidiresrvda{\detokenize{#1}}%
3121     \expandafter\endgroup
3122     \expandafter\bidifhashcheck@i\meaning\bidiresrvda&}
3123
3124 \edef\bidifhashcheck@i#1&{%
3125     \noexpand\expandafter
3126     \noexpand\bidifhashcheck@ii
3127     \noexpand\strip@prefix#1\string# \string#&}
3128

```



```

3129 \edef\bidiihashcheck@ii{%
3130   \def\noexpand\bidiihashcheck@ii##1\string#\string###2&{
3131     \bidiihashcheck@ii{\if@bidiblack{#2}}
3132
3133
3134 \protected\long\def\bidiiifpattern#1#2{%
3135   \begingroup
3136   \edef\bidiresrvda{%
3137     \def\noexpand\bidiresrvda####1\detokenize{#2}####2&{%
3138       \endgroup\noexpand\noexpand\noexpand\if@bidiblack{####2}}}%
3139   \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda
3140     \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3141   \noexpand\bidiresrvda}
3142   \bidiresrvda\@secondoftwo\@firstoftwo}
3143
3144
3145 \newcommand{\if@bididefparam}{%
3146 \long\edef\if@bididefparam#1{%
3147   \noexpand\expandafter\noexpand\bidiiifdefparam
3148   \noexpand\meaning#1\detokenize{macro}:->&}
3149 \edef\bidiiifdefparam{%
3150   \def\noexpand\bidiiifdefparam##1\detokenize{macro}:##2->##3&{
3151     \bidiiifdefparam{\bidii@notblank{#2}}
3152
3153
3154 \newcommand{\if@bididefprotected}{%
3155 \long\edef\if@bididefprotected#1{%
3156   \noexpand\expandafter\noexpand\bidiiifdefprotected
3157   \noexpand\meaning#1\string\protected&}
3158 \edef\bidiiifdefprotected{%
3159   \def\noexpand\bidiiifdefprotected##1\string\protected##2&{
3160     \bidiiifdefprotected{\bidii@notblank{#2}}
3161
3162
3163 \bidii@newrobustcmd{\bidii@undef}[1]{\let#1\bidii@undefined}
3164
3165 \let\bidii@dbg@trce\@gobble
3166 \let\bidii@dbg@init\@gobble
3167 \let\bidii@dbg@info\@gobble
3168 \let\bidii@dbg@succ\@gobble
3169 \let\bidii@dbg@fail\@gobble
3170
3171
3172
3173 \bidii@newrobustcmd*{\bidii@apptocmd}{%
3174   \bidii@dbg@trce\bidii@apptocmd
3175   \begingroup
3176   \@makeother\#%
3177   \bidii@hooktocmd\bidii@append}
3178

```



```

3179
3180
3181 \bidi@newrobustcmd*{\bidi@pretocmd}{%
3182   \bidi@dbg@trce\bidi@pretocmd
3183   \begingroup
3184   \@makeoother\#%
3185   \bidi@hooktocmd\bidi@prepend}
3186
3187 \long\def\bidi@hooktocmd#1#2#3{%
3188   \endgroup
3189   \bidi@dbg@init#2%
3190   \if\bidi@undef{#2}
3191     {\bidi@dbg@fail{def}\@secondoftwo}
3192     {\bidi@dbg@info{def}%
3193       \if\bidi@defmacro{#2}
3194         {\bidi@dbg@info{mac}%
3195           \if\bidi@defparam{#2}
3196             {\bidi@dbg@info{prm}%
3197               \bidi@ifscanable{#2}
3198                 {\bidi@ifhashcheck{#3}
3199                   {\bidi@dbg@info{tok}%
3200                     \bidi@dbg@succ{ret}%
3201                     \bidi@hooktocmd@i#1#2{#3}%
3202                     \@firstoftwo}
3203                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
3204                 {\bidi@dbg@fail{tok}\@secondoftwo}}
3205             {\bidi@dbg@info{prl}%
3206               \if\bidi@defprotected{#2}
3207                 {\bidi@dbg@info{pro}%
3208                   \bidi@dbg@succ{red}%
3209                   \protected}
3210                 {\bidi@dbg@succ{red}}}%
3211             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3212             \@firstoftwo}}
3213     {\bidi@dbg@fail{mac}\@secondoftwo}}
3214
3215 \long\def\bidi@hooktocmd@i#1#2#3{%
3216   \begingroup
3217   \edef\bidi@resrvda{%
3218     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3219       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}%
3220     \edef\noexpand\bidi@resrvda{%
3221       \noexpand\bidi@resrvda\meaning#2&}}%
3222   \bidi@resrvda
3223   \bidi@patchcmd@scantoks\bidi@resrvda
3224   \let#2\bidi@resrvda
3225   \bidi@undef\bidi@resrvda}
3226
3227 \long\def\bidi@append#1#2{#1#2}
3228 \long\def\bidi@prepend#1#2{#2#1}

```



```

3229
3230 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3231 \newcommand*{\bidi@endpreamblehook}{\}
3232
3233 \bidi@preto\document{%
3234   \endgroup
3235   \let\bidi@AtEndPreamble\@firstofone
3236   \bidi@endpreamblehook
3237   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3238   \bidi@undef\bidi@endpreamblehook
3239   \begingroup}
3240
3241 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3242 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3243
3244 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3245 \newcommand*{\bidi@afterendpreamblehook}{\}
3246
3247 \bidi@appto\document{%
3248   \let\bidi@AfterEndPreamble\@firstofone
3249   \bidi@afterendpreamblehook
3250   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3251   \bidi@undef\bidi@afterendpreamblehook
3252   \ignorespaces}
3253
3254 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3255
3256 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterendddocumenthook}
3257 \newcommand*{\bidi@afterendddocumenthook}{\}
3258
3259 \bidi@patchcmd\enddocument
3260   {\deadcycles}
3261   {\let\bidi@AfterEndDocument\@firstofone
3262     \bidi@afterendddocumenthook
3263     \deadcycles}
3264   {}
3265   {\let\bidi@@end\@@end
3266     \def\@@end{%
3267       \let\bidi@AfterEndDocument\@firstofone
3268       \bidi@afterendddocumenthook
3269       \bidi@@end}}
3270
3271 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3272   \bidi@csgappto{\bidi@begin@#1@hook}}
3273
3274 \bidi@patchcmd\begin
3275   {\csname #1\endcsname}
3276   {\bidi@csuse{\bidi@begin@#1@hook}%
3277     \csname #1\endcsname}
3278   {}

```



```

3279 {\bidi@warning{%
3280     Patching '\string\begin' failed!\MessageBreak
3281     '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
3282
3283
3284
3285 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3286     \bidi@csgappto{@bidi@end@#1@hook}}
3287
3288 \bidi@patchcmd\end
3289     {\csname end#1\endcsname}
3290     {\bidi@csuse{@bidi@end@#1@hook}%
3291     \csname end#1\endcsname}
3292     {}
3293     {\bidi@warning{%
3294         Patching '\string\end' failed!\MessageBreak
3295         '\string\bidi@AtEndEnvironment' will not work\@gobble}}
3296
3297
3298
3299 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3300     \bidi@csgappto{@bidi@beforebegin@#1@hook}}
3301
3302 \bidi@pretocmd\begin
3303     {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3304     {}
3305     {\bidi@warning{%
3306         Patching '\string\begin' failed!\MessageBreak
3307         '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
3308
3309
3310
3311 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3312     \bidi@csgappto{@bidi@afterend@#1@hook}}
3313
3314 \bidi@patchcmd\end
3315     {\if@ignore}
3316     {\bidi@csuse{@bidi@afterend@#1@hook}%
3317     \if@ignore}
3318     {}
3319     {\bidi@warning{%
3320         Patching '\string\end' failed!\MessageBreak
3321         '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
3322
3323 \CheckCommand{\InputIfFileExists}[2]{%
3324     \IfFileExists{#1}%
3325     {#2\@addtofilelist{#1}\@@input \@filef@und}}
3326
3327 \renewcommand{\InputIfFileExists}[2]{%
3328     \begingroup\expandafter\expandafter\expandafter\endgroup

```



```

3329 \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3330 \expandafter\@secondoftwo
3331 \else
3332 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3333 \expandafter\@firstoftwo
3334 \fi
3335 {%
3336 \expandafter\InputIfFileExists\expandafter{\csname
3337 #1-@bidi@alias\endcsname}{#2}%
3338 }%
3339 {\IfFileExists{#1}{%
3340 \bidi@load@hook{before}{#1}%
3341 #2\@addtofilelist{#1}%
3342 \@@input \@filef@und
3343 \bidi@load@hook{after}{#1}%
3344 }}%
3345 }
3346
3347 \newcommand*\bidi@@loadwithoptions{}
3348 \newcommand*\bidi@loadwithoptions{}
3349 \let\bidi@loadwithoptions\loadwithoptions
3350
3351 \renewcommand*\@loadwithoptions[3]{%
3352 \begingroup\expandafter\expandafter\expandafter\endgroup
3353 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3354 \def\bidi@@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3355 \else
3356 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3357 \def\bidi@@loadwithoptions{%
3358 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
3359 }%
3360 \fi
3361 \bidi@@loadwithoptions
3362 }
3363
3364 \newcommand*\bidi@onefilewithoptions{}
3365 \let\bidi@onefilewithoptions\onefilewithoptions
3366 \def\@onefilewithoptions#1[#2][#3]#4{%
3367 \begingroup\expandafter\expandafter\expandafter\endgroup
3368 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3369 \def\bidi@@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3370 \else
3371 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3372 \edef\bidi@@onefilewithoptions{%
3373 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3374 \fi
3375 \bidi@@onefilewithoptions[#2][#3]{#4}%
3376 \bidi@load@hook{lateafter}{#1.#4}%
3377 }
3378

```




```

3379 \newcommand*{\bidi@ReplaceInput}[2]{%
3380   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3381 }
3382
3383 \newcommand*{\bidi@UnReplaceInput}[1]{%
3384   \ifcsname #1-@bidi@alias\endcsname
3385     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3386   \fi
3387 }
3388
3389 \newcommand*{\@bidi@replacefilewithext}[3]{%
3390   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3391 }
3392 \newcommand*{\bidi@ReplacePackage}[2]{%
3393   \@bidi@replacefilewithext{#1}{#2}\@pkgextension
3394 }
3395 \newcommand*{\bidi@ReplaceClass}[2]{%
3396   \@bidi@replacefilewithext{#1}{#2}\@clsextension
3397 }
3398 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
3399   \ifcsname #1.#2-@bidi@aliasname\endcsname
3400     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3401   \fi
3402 }
3403 \newcommand*{\bidi@UnReplacePackage}[1]{%
3404   \@bidi@unreplacefilewithext{#1}\@pkgextension
3405 }
3406 \newcommand*{\bidi@UnReplaceClass}[1]{%
3407   \@bidi@unreplacefilewithext{#1}\@clsextension
3408 }
3409 \newcommand*{\bidi@replacefile@msg}[2]{%
3410   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3411 }
3412
3413 \newcommand*{\bidi@load@hook}[2]{%
3414   \@ifundefined{#2-@#1}{-}{%
3415     \@nameuse{#2-@#1}%
3416     \expandafter\let\csname #2-@#1\endcsname=\relax}}
3417 \newcommand*{\bidi@set@load@hook}[2]{%
3418   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{-}}{%
3419     \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3420 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3421 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3422 \newcommand*{\bidi@BeforeClass}[1]{%
3423   \bidi@set@load@hook{before}{#1.\@clsextension}}
3424 \newcommand*{\bidi@AfterClass}{%
3425   \@ifstar {\@s@bidi@AfterClass}{%
3426     \@ifnextchar +{\@bidi@AfterClass}%
3427     \@ifnextchar !{\@bidi@AfterClass\bidi@AfterClass
3428     }%

```



```

3429 }%
3430 }
3431
3432 \newcommand*{\@@@bidi@AfterClass}[2]{%
3433 \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3434 \aftergroup\@s@bidi@AfterClass
3435 \else
3436 \aftergroup\bidi@AfterAtEndOfClass
3437 \fi
3438 \endgroup{#2}%
3439 }
3440
3441 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3442 \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3443 \newcommand*{\@@@bidi@AfterClass}[2]{%
3444 \begingroup
3445 \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3446 \aftergroup\@s@bidi@AfterClass
3447 \else
3448 \aftergroup\bidi@AfterClass
3449 \fi
3450 \endgroup{#2}%
3451 }
3452
3453 \newcommand*{\@bidi@AfterClass}[1]{%
3454 \bidi@set@load@hook{after}{#1.\@clsextension}}
3455 \newcommand*{\@s@bidi@AfterClass}[1]{%
3456 \begingroup
3457 \@ifclassloaded{#1}{%
3458 \aftergroup\@secondoftwo
3459 }{%
3460 \aftergroup\bidi@AfterClass
3461 }%
3462 \endgroup
3463 {#1}%
3464 }
3465
3466
3467 \newcommand*{\bidi@BeforePackage}[1]{%
3468 \bidi@set@load@hook{before}{#1.\@pkgextension}}
3469 \newcommand*{\bidi@AfterPackage}{%
3470 \@ifstar {\@s@bidi@AfterPackage}{%
3471 \@ifnextchar +{\@@@bidi@AfterPackage{%
3472 \@ifnextchar !{\@@@bidi@AfterPackage\bidi@AfterPackage
3473 }%
3474 }%
3475 }
3476 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3477 \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3478 \aftergroup\@s@bidi@AfterPackage

```



```

3479 \else
3480   \aftergroup\bid@AfterAtEndOfPackage
3481 \fi
3482 \endgroup{#2}%
3483 }
3484 \newcommand*\bid@AfterAtEndOfPackage}[1]{%
3485   \bid@set@load@hook{lateafter}{#1.\@pkgextension}}
3486 \newcommand*\@bid@AfterPackage}[2]{%
3487   \beginingroup
3488     \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3489     \aftergroup\@s@bid@AfterPackage
3490   \else
3491     \aftergroup\@bid@AfterPackage
3492   \fi
3493   \endgroup{#2}%
3494 }
3495 \newcommand*\@bid@AfterPackage}[1]{%
3496   \bid@set@load@hook{after}{#1.\@pkgextension}}
3497 \newcommand*\@s@bid@AfterPackage}[1]{%
3498   \beginingroup
3499     \@ifpackageloaded{#1}{%
3500       \aftergroup\@secondoftwo
3501     }{%
3502       \aftergroup\@bid@AfterPackage
3503     }%
3504   \endgroup
3505   {#1}%
3506 }
3507
3508 \newcommand*\bid@excludedpackages{}
3509 \let\bid@excludedpackages\@empty
3510 \newcommand*\bid@s@ved@RequirePackage{}
3511 \newcommand*\bid@PreventPackageFromLoading{%
3512   \@ifstar{\@bid@PreventPackageFromLoading\PackageInfo}%
3513   {\@bid@PreventPackageFromLoading\PackageWarning}%
3514 }
3515 \newcommand*\@bid@PreventPackageFromLoading}[1]{%
3516   \@ifnextchar [%]
3517   {\@bid@PreventPackageFromLoading#1}{\@bid@PreventPackageFromLoading#1[]}%
3518 }
3519 \newcommand*\@bid@PreventPackageFromLoading{}
3520
3521 \def\@bid@PreventPackageFromLoading#1[#2]#3{%
3522   \edef\reserved@b{\zap@space#3 \@empty}%
3523   \ifx \reserved@b\@empty
3524     #1{biditools}{%
3525       \string\bid@PreventPackageFromLoading\space with empty packages\MessageBreak
3526       argument ignored%
3527     }%
3528   \else

```



```

3529 \ifx\bidix@excludedpackages\@empty
3530 \let\bidix@savex@RequirePackage\RequirePackage
3531 \let\RequirePackage\bidix@RequirePackage
3532 \def\reserved@a##1##{%
3533 \@latex@error
3534 {\noexpand \usepackage before \string\documentclass}%
3535 {\noexpand \usepackage may only appear in the document
3536 preamble, i.e.,\MessageBreak
3537 between \noexpand\documentclass and
3538 \string\begin{document}.}%
3539 \@gobble}%
3540 \ifx\reserved@a\usepackage\else
3541 \ifx\usepackage\bidix@savex@RequirePackage\else
3542 \PackageWarning{biditools}{%
3543 Maybe serious problem: unexpected definition of\MessageBreak
3544 \string\usepackage
3545 }%
3546 \fi
3547 \let\usepackage\RequirePackage
3548 \fi
3549 \fi
3550 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3551 \reserved@b\do {%
3552 \ifx\reserved@a\@empty
3553 #1{biditools}{%
3554 empty package argument for
3555 \string\bidix@PreventPackageFromLoading\MessageBreak
3556 ignored%
3557 }%
3558 \else
3559 \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3560 #1{biditools}{%
3561 package '\reserved@a' already loaded.\MessageBreak
3562 Cannot prevent it from being loaded%
3563 }%
3564 }{%
3565 \edef\bidix@excludedpackages{\bidix@excludedpackages,%
3566 \reserved@a}%
3567 \if\relax\detokenize{#2}\relax\else
3568 \@ifundefined{bidix@exclude@package@\reserved@a @do}{%
3569 \@namedef{bidix@exclude@package@\reserved@a @do}{}%
3570 }{}%
3571 \expandafter\def
3572 \csname bidix@exclude@package@\reserved@a
3573 @do\expandafter\expandafter\expandafter\endcsname
3574 \expandafter\expandafter\expandafter{%
3575 \csname bidix@exclude@package@\reserved@a @do\endcsname
3576 #2%
3577 }%
3578 \fi

```



```

3579         }%
3580     \fi
3581 }%
3582 \ifx\bidix@excludedpackages\@empty
3583     \bidix@ResetPreventPackageFromLoading
3584 \fi
3585 \fi
3586 }
3587
3588 \@onlypreamble\bidix@PreventPackageFromLoading
3589 \newcommand*{\bidix@ResetPreventPackageFromLoading}{%
3590     \let\bidix@excludedpackages\@empty
3591     \ifx\RequirePackage\bidix@RequirePackage
3592         \ifx\usepackage\RequirePackage
3593             \let\usepackage\bidix@saved@RequirePackage
3594         \fi
3595         \let\RequirePackage\bidix@saved@RequirePackage
3596     \fi
3597 }
3598 \@onlypreamble\bidix@ResetPreventPackageFromLoading
3599 \newcommand*{\bidix@store@PreventPackageFromLoading}[1]{%
3600     \let#1\bidix@excludedpackages
3601 }
3602 \@onlypreamble\bidix@store@PreventPackageFromLoading
3603 \newcommand*{\bidix@UnPreventPackageFromLoading}{%
3604     \@ifstar {\@tempswatrue\@bidix@UnPreventPackageFromLoading}%
3605              {\@tempswafalse\@bidix@UnPreventPackageFromLoading}%
3606 }
3607
3608 \newcommand*{\@bidix@UnPreventPackageFromLoading}[1]{%
3609     \edef\reserved@b{\zap@space#1 \@empty}%
3610     \if@tempswa
3611         \@for\reserved@a:=\reserved@b\do {%
3612             \ifx\reserved@a\@empty \else
3613                 \ifcsname bidix@exclude@package@\reserved@a @do\endcsname
3614                     \expandafter\let
3615                     \csname bidix@exclude@package@\reserved@a @do\endcsname
3616                     \undefined
3617             \fi
3618         \fi
3619     }%
3620 \fi
3621 \ifcsname bidix@excludedpackages\endcsname
3622     \let\reserved@a\bidix@excludedpackages
3623     \let\bidix@excludedpackages\@empty
3624     \expandafter\@for\expandafter\reserved@c
3625     \expandafter:\expandafter=\reserved@a
3626     \do{%
3627         \ifx\reserved@c\@empty\else
3628             \@expandtwoargs\in@{\,\reserved@c,}{\,\reserved@b,}%

```



```

3629         \ifin@
3630         \else
3631             \edef\bidix@excludedpackages{%
3632                 \bidix@excludedpackages,\reserved@c
3633             }%
3634         \fi
3635     \fi
3636 }%
3637 \ifx\bidix@excludedpackages\@empty\bidix@ResetPreventPackageFromLoading\fi
3638 \fi
3639 }
3640
3641
3642 \newcommand*{\bidix@RequirePackage}[2] [] {%
3643     \let\reserved@c\@empty
3644     \let\reserved@d\@empty
3645     \edef\reserved@b{\zap@space#2 \@empty}%
3646     \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3647     \do {%
3648         \begingroup
3649             \@tempswatrue
3650             \@for\reserved@a:=\bidix@excludedpackages\do {%
3651                 \ifx\reserved@a\reserved@b
3652                     \@tempswafalse
3653                 \fi
3654             }%
3655             \if@tempswa
3656                 \xdef\reserved@c{\reserved@c,\reserved@b}%
3657             \else
3658                 \ifx\reserved@b\@empty\else
3659                     \PackageInfo{biditools}{Excluding package `'\reserved@b'\MessageBreak
3660                         from loading}%
3661                     \ifundefined{bidix@exclude@package@\reserved@b @do}{%
3662                         }{%
3663                             \expandafter\g@addto@macro\expandafter\reserved@d
3664                             \csname bidix@exclude@package@\reserved@b @do\endcsname
3665                         }%
3666                 \fi
3667             \fi
3668         \endgroup
3669     }%
3670     \ifx\reserved@c\@empty
3671         \let\reserved@a\bidix@gobbleopt
3672     \else
3673         \edef\reserved@a{\noexpand\bidix@saved@RequirePackage[#1]{%
3674             \expandafter\@gobble\reserved@c\@empty}}%
3675     \fi
3676     \expandafter\reserved@d
3677     \reserved@a
3678 }

```



```

3679
3680 \newcommand{\bidi@gobbleopt}[1][]{\{}
3681 \AtEndDocument{%
3682   \let\bidi@saved@checkend=\@checkend
3683   \renewcommand*{\@checkend}[1]{%
3684     \def\reserved@a{#1}\def\reserved@b{document}%
3685     \bidi@saved@checkend{#1}%
3686     \ifx\reserved@a\reserved@b
3687       \let\bidi@saved@clearpage=\clearpage
3688       \renewcommand*{\clearpage}{\bidi@saved@clearpage
3689         \bidi@hook@bcma
3690         \bidi@restore@newpage
3691         \let\clearpage=\bidi@saved@clearpage}%
3692     \fi%
3693     \let\bidi@saved@dofilelist\@dofilelist
3694     \def\@dofilelist{%
3695       \bidi@hook@acma
3696       \let\@dofilelist\bidi@saved@dofilelist
3697       \bidi@saved@dofilelist
3698     }%
3699   }%
3700 }
3701
3702
3703 \newcommand*{\bidi@saved@checkend}{\}
3704 \newcommand*{\bidi@saved@dofilelist}{\}
3705 \newcommand*{\bidi@redefine@newpage}{%
3706   \let\bidi@saved@newpage\newpage
3707   \def\bidi@restore@newpage{%
3708     \renewcommand*{\newpage}{%
3709       \PackageWarningNoLine{%
3710         biditools%
3711       }{%
3712         \string\newpage\space at main aux file!\MessageBreak
3713         You have output material at the main aux file.\MessageBreak
3714         Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
3715         are processed before the output from aux file%
3716       }%
3717       \let\newpage\bidi@saved@newpage
3718       \newpage
3719     }%
3720   }%
3721   \renewcommand*{\newpage}{%
3722     \PackageError{%
3723       biditools%
3724     }{%
3725       \string\newpage\space at \string\bidi@BeforeClosingMainAux
3726     }{%
3727       You should never use \string\newpage\space or
3728       \string\clear(double)page or other output material at the\MessageBreak

```



```

3729     argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
3730     If you'll continue, the \string\newpage\space will be ignored to
3731     avoid corruption of \MessageBreak
3732     every prior use of \string\bidi@BeforeClosingMainAux.
3733 }%
3734 }%
3735 }
3736
3737 \newcommand*{\bidi@restore@newpage}{%
3738 \newcommand*{\bidi@hook@bcma}{%
3739 \newcommand*{\bidi@hook@acma}{%
3740 \newcommand*{\bidi@BeforeClosingMainAux}{%
3741   \ifx\bidi@hook@bcma\@empty
3742     \gdef\bidi@hook@bcma{%
3743       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{####1}%
3744       \let\protected@write\bidi@protected@immediate@write
3745       \bidi@redefine@newpage
3746     }%
3747   \fi
3748   \g@addto@macro\bidi@hook@bcma%
3749 }
3750
3751 \newcommand*{\bidi@AfterReadingMainAux}{%
3752   \ifx\bidi@hook@acma\@empty
3753     \gdef\bidi@hook@acma{%
3754       \renewcommand*{\bidi@AfterReadingMainAux}[1]{####1}%
3755       \let\protected@write\bidi@protected@immediate@write
3756     }%
3757   \fi
3758   \g@addto@macro\bidi@hook@acma%
3759 }
3760
3761 \long\def\bidi@protected@immediate@write#1#2#3{%
3762   \begingroup
3763     #2%
3764     \let\protect\@unexpandable@protect
3765     \edef\reserved@a{\immediate\write#1{#3}}%
3766     \reserved@a
3767   \endgroup
3768   \if@nobreak\ifvmode\nobreak\fi\fi
3769 }
3770
3771 \def\bidi@patch@counter{0}%
3772 \if\bidi@csundef{numexpr}{%
3773   \def\bidi@patch@stepcounter{%
3774     \begingroup
3775       \count@\bidi@patch@counter\relax
3776       \advance\count@\@ne\relax
3777     \edef\x{\endgroup
3778       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}%

```




```

3779     }%
3780     \x
3781   }%
3782 }{%
3783   \def\bidipatch@stepcounter{%
3784     \edef\bidipatch@counter{%
3785       \the\numexpr\bidipatch@counter+\@ne\relax
3786     }%
3787   }%
3788 }
3789 \def\bidipatch@list{}
3790 \def\bidipatch@Add{%
3791   \bidipatch@to\bidipatch@list
3792 }
3793 \def\bidipatch@AfterPackage#1{%
3794   \@ifpackageloaded{#1}{%
3795     \@firstofone
3796   }{%
3797     \bidipatch@AfterPackage{#1}%
3798   }%
3799 }
3800 \def\bidipatch@AfterPackage#1{%
3801   \edef\bidipatch@temp{#1}%
3802   \bidipatch@stepcounter
3803   \expandafter\bidipatch@@AfterPackage
3804   \csname bidipatch@\bidipatch@counter\expandafter\endcsname{%
3805     \bidipatch@temp
3806   }%
3807 }
3808 \def\bidipatch@@AfterPackage#1#2#3{%
3809   \begingroup
3810     \toks@{#3}%
3811     \xdef\bidipatch@gtemp{%
3812       \noexpand\@ifpackageloaded{#2}{%
3813         \noexpand\let\noexpand#1\noexpand\relax
3814         \the\toks@
3815       }{%
3816       }%
3817     }
3818     \let#1\bidipatch@gtemp
3819     \bidipatch@Add#1%
3820     \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
3821   }
3822 }
3823 \def\bidipatch@try#1#2#3{%
3824   \if@bidicsundef{#1}{%
3825     \csname #1\endcsname{#2}{#3}%
3826   }%
3827 }
3828 }

```



```

3829 \AtBeginDocument{\bidi@patch@list}
3830
3831 \bidi@AtEndPreamble{\bidi@patch@list}%
3832
3833 \bidi@AfterEndPreamble{%
3834   \let\bidi@patch@OrgIfPackageLoaded\@ifpackageloaded
3835   \let\bidi@patch@OrgIfPackageLater\@ifpackagelater
3836   \let\bidi@patch@OrgIfClassLoaded\@ifclassloaded
3837   \let\bidi@patch@OrgIfClassLater\@ifclasslater
3838   \bidi@patch@list
3839   \let\@ifpackageloaded\bidi@patch@OrgIfPackageLoaded
3840   \let\@ifpackagelater\bidi@patch@OrgIfPackageLater
3841   \let\@ifclassloaded\bidi@patch@OrgIfClassLoaded
3842   \let\@ifclasslater\bidi@patch@OrgIfClassLater
3843 }%

```

7.22 bidiutfefloat.sty

```

3844 \NeedsTeXFormat{LaTeX2e}
3845 \ProvidesPackage{bidiutfefloat}[2017/05/19 v0.2
3846 bidi implementation of tufte float]
3847 \RequirePackage{xifthen}
3848 \newcommand{\@bidiutfefloat@pkgname}{bidiutfefloat}
3849 \newcommand{\bidiutfefloatError}[2]{\PackageError{\@bidiutfefloat@pkgname}{#1}{#2}}
3850 \newcommand{\bidiutfefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidiutfefloat@debug}}{\bidi
3851 \newcommand{\bidiutfefloatInfoNL}[1]{\PackageInfo{\@bidiutfefloat@pkgname}{#1\@gobble}}
3852 \newboolean{\@bidiutfefloat@reversegeometry}
3853 \setboolean{\@bidiutfefloat@reversegeometry}{false}
3854 \DeclareOption{reversegeometry}{\setboolean{\@bidiutfefloat@reversegeometry}{true}}
3855 \newboolean{\@bidiutfefloat@afourpaper}
3856 \DeclareOption{a4paper}{\setboolean{\@bidiutfefloat@afourpaper}{true}}
3857 \newboolean{\@bidiutfefloat@bfivepaper}
3858 \DeclareOption{b5paper}{\setboolean{\@bidiutfefloat@bfivepaper}{true}}
3859 \newboolean{\@bidiutfefloat@symmetric}
3860 \newboolean{\@bidiutfefloat@twoside}
3861 \DeclareOption{twoside}{%
3862   \@twosidetrue \mparswitchtrue%
3863   \setboolean{\@bidiutfefloat@twoside}{true}%
3864   \setboolean{\@bidiutfefloat@symmetric}{true}%
3865 }
3866 \DeclareOption{oneside}{%
3867   \@twosidefalse \mparswitchfalse%
3868   \setboolean{\@bidiutfefloat@twoside}{false}%
3869   \setboolean{\@bidiutfefloat@symmetric}{false}%
3870 }
3871 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
3872 \newboolean{\@bidiutfefloat@debug}
3873 \newcommand*{\@bidiutfefloat@caption@justification}{\@bidiutfefloat@justification@autodetec
3874 \ProcessOptions
3875 %% Globally sets the length

```



```

3876 \newcommand*\gsetlength}[2]{%
3877   \setlength{#1}{#2}%
3878   \global#1=#1\relax%
3879 }
3880
3881 %% Set the font sizes and baselines to match bidentuftefloat's books
3882 \renewcommand\normalsize{%
3883   \@setfontsize\normalsize\@xpt{14}%
3884   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
3885   \abovedisplayskipshortskip \z@ \@plus3\p@
3886   \belowdisplayskipshortskip 6\p@ \@plus3\p@ \@minus3\p@
3887   \belowdisplayskip \abovedisplayskip
3888   \let\@listi\@listI}
3889 \normalbaselineskip=14pt
3890 \normalsize
3891 \renewcommand\footnotesize{%
3892   \@setfontsize\footnotesize\viiipt{10}%
3893   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
3894   \abovedisplayskipshortskip \z@ \@plus\p@
3895   \belowdisplayskipshortskip 3\p@ \@plus\p@ \@minus2\p@
3896   \def\@listi{\leftmargin\leftmarginI
3897             \topsep 3\p@ \@plus\p@ \@minus\p@
3898             \parsep 2\p@ \@plus\p@ \@minus\p@
3899             \itemsep \parsep}%
3900   \belowdisplayskip \abovedisplayskip
3901 }
3902 %% Paragraph indentation and separation for marginal text
3903 \newcommand{\@bidentuftefloat@margin@par}{%
3904   \setlength{\RaggedRightParindent}{0.5pc}%
3905   \setlength{\JustifyingParindent}{0.5pc}%
3906   \setlength{\parindent}{0.5pc}%
3907   \setlength{\parskip}{0pt}%
3908 }
3909 \RequirePackage{ragged2e}
3910 \ifthenelse{\boolean{@bidentuftefloat@reversegeometry}}{%
3911   \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginparskip]{ragged2e}
3912 }{\ifthenelse{\boolean{@bidentuftefloat@afourpaper}}{
3913   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparskip=10mm}}
3914 }{\ifthenelse{\boolean{@bidentuftefloat@bfivepaper}}{
3915   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,marginparskip=10mm}}
3916 }{\ifthenelse{\boolean{@bidentuftefloat@afourpaper}}{
3917   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparskip=10mm}}
3918 }{\ifthenelse{\boolean{@bidentuftefloat@bfivepaper}}{
3919   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,marginparskip=10mm}}
3920 }{\ifthenelse{\boolean{@bidentuftefloat@symmetric}}{
3921   {\geometry{a4paper,landscape,headsep=2\baselineskip,textwidth=107mm,marginparskip=10mm}}
3922 }{\ifthenelse{\boolean{@bidentuftefloat@afourpaper}}{
3923   {\geometry{a4paper,landscape,headsep=2\baselineskip,textwidth=107mm,marginparskip=10mm}}
3924 }{\ifthenelse{\boolean{@bidentuftefloat@bfivepaper}}{
3925   {\geometry{a4paper,landscape,headsep=2\baselineskip,textwidth=107mm,marginparskip=10mm}}

```



```

3926 {}
3927 {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
3928 \setlength\marginparpush{10pt}
3929 %% Font for margin items
3930 \newcommand{\@bidiutefloat@marginfont}{\normalfont\footnotesize}
3931 \newcommand*{\@bidiutefloat@caption@font}{\@bidiutefloat@marginfont}
3932 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidiutefloat@caption@font}{#1}}
3933 \newcommand{\@bidiutefloat@justification}{\justifying}%
3934 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
3935 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
3936 \newboolean{@bidiutefloat@changepage}
3937 \IfFileExists{changepage.sty}{%
3938   \bidiutefloatDebugInfoNL{Found changepage.sty}
3939   \RequirePackage[strict]{changepage}
3940   \setboolean{@bidiutefloat@changepage}{true}
3941 }{%
3942   \bidiutefloatDebugInfoNL{Found chngpage.sty}
3943   \RequirePackage[strict]{chngpage}
3944   \setboolean{@bidiutefloat@changepage}{false}
3945 }
3946 \newboolean{@bidiutefloat@odd@page}
3947 \setboolean{@bidiutefloat@odd@page}{true}
3948 \newcommand*{\@bidiutefloat@checkoddpage}{%
3949   \checkoddpage%
3950   \ifthenelse{\boolean{@bidiutefloat@changepage}}{%
3951     \ifoddpage%
3952       \setboolean{@bidiutefloat@odd@page}{true}%
3953     \else%
3954       \setboolean{@bidiutefloat@odd@page}{false}%
3955     \fi%
3956   }{%
3957     \ifcpoddpage%
3958       \setboolean{@bidiutefloat@odd@page}{true}%
3959     \else%
3960       \setboolean{@bidiutefloat@odd@page}{false}%
3961     \fi%
3962   }%
3963 }
3964 \newlength{\@bidiutefloat@overhang}% used by the fullwidth environment and the running head
3965 \newlength{\@bidiutefloat@fullwidth}
3966 \newlength{\@bidiutefloat@caption@fill}
3967 \newcommand{\bidiutefloatRecalculate}{%
3968   \setlength{\@bidiutefloat@overhang}{\marginparwidth}
3969   \addtolength{\@bidiutefloat@overhang}{\marginparsep}
3970
3971   \setlength{\@bidiutefloat@fullwidth}{\textwidth}
3972   \addtolength{\@bidiutefloat@fullwidth}{\marginparsep}
3973   \addtolength{\@bidiutefloat@fullwidth}{\marginparwidth}
3974
3975   \setlength{\@bidiutefloat@caption@fill}{\textwidth}

```



```

3976 \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
3977 }
3978 \AtBeginDocument{\biditytfloatRecalculate}
3979 \RequirePackage{optparams}% provides multiple optional arguments for commands
3980 \RequirePackage{placeins}
3981 \newsavebox{\@biditytfloat@margin@floatbox}
3982 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
3983 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in or
3984 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
3985 \begin{minipage}{\marginparwidth}%
3986 \@biditytfloat@caption@font%
3987 \def\@capttype{#2}%
3988 \hbox{\vspace*{#1}%
3989 \@biditytfloat@caption@justification%
3990 \@biditytfloat@margin@par%
3991 \noindent%
3992 }
3993 {\end{minipage}%
3994 \end{lrbox}%
3995 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
3996 }
3997 \newenvironment{marginfigure}[1][-1.2ex]%
3998 {\begin{@biditytfloat@margin@float}[#1]{figure}}
3999 {\end{@biditytfloat@margin@float}}
4000 \newenvironment{margintable}[1][-1.2ex]%
4001 {\begin{@biditytfloat@margin@float}[#1]{table}}
4002 {\end{@biditytfloat@margin@float}}
4003 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
4004
4005 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float
4006 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
4007 \ifthenelse{\equal{\@biditytfloat@float@debug@info}{}}%
4008 {\def\@biditytfloat@float@debug@info{#1}}%
4009 {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
4010 }
4011 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
4012 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug
4013 \newboolean{@biditytfloat@float@recto}
4014 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@bidityt
4015 \newcommand{\forceversofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@bidityt
4016 \newsavebox{\@biditytfloat@figure@box}
4017 \newsavebox{\@biditytfloat@caption@box}
4018 \let\@biditytfloat@orig@float\@float
4019 \let\@biditytfloat@orig@endfloat\end@float
4020 \newlength{\@biditytfloat@caption@vertical@offset}
4021 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
4022 \newcommand{\@biditytfloat@stored@shortcaption}{}
4023 \newcommand{\@biditytfloat@stored@caption}{}
4024 \newcommand{\@biditytfloat@stored@label}{}
4025 \long\def\@biditytfloat@caption[#1][#2]#3{%

```



```

4026 \ifthenelse{\isempty{#1}}%
4027   {\gdef\@bidiutffloat@stored@shortcaption{#3}}%
4028   {\gdef\@bidiutffloat@stored@shortcaption{#1}}%
4029 \gsetlength{\@bidiutffloat@caption@vertical@offset}{-#2}% we want a positive offset to lo
4030 \gdef\@bidiutffloat@stored@caption{#3}%
4031 }
4032 \newcommand{\@bidiutffloat@label}[1]{%
4033   \gdef\@bidiutffloat@stored@label{#1}%
4034 }
4035 \newcommand{\@bidiutffloat@fps}{%
4036   \newboolean{\@bidiutffloat@float@star}%
4037   \newlength{\@bidiutffloat@float@contents@width}%
4038   \newenvironment{\@bidiutffloat@float}[3][htbp]%
4039     {% begin \@bidiutffloat@float
4040       % Should this float be full-width or just text-width?
4041       \ifthenelse{\equal{#3}{star}}%
4042         {\GlobalSetBoolean{\@bidiutffloat@float@star}{true}}%
4043         {\GlobalSetBoolean{\@bidiutffloat@float@star}{false}}%
4044       % Check page side (recto/verso) and store detected value -- can be overridden in environme
4045       \@bidiutffloat@checkoddpag%
4046       \ifthenelse{\boolean{\@bidiutffloat@odd@page}}%
4047         {\GlobalSetBoolean{\@bidiutffloat@float@recto}{true}\@bidiutffloat@float@debug{Dete
4048         {\GlobalSetBoolean{\@bidiutffloat@float@recto}{false}\@bidiutffloat@float@debug{Dete
4049       % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages,
4050       \renewcommand{\@bidiutffloat@fps}{#1}%
4051       \@bidiutffloat@float@debug{Allowed positions: [#1]}%
4052       \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
4053         {\renewcommand{\floatalignment}{b}\@bidiutffloat@float@debug{Presumed position: [bott
4054         {\renewcommand{\floatalignment}{t}\@bidiutffloat@float@debug{Presumed position: [top]
4055       % Capture the contents of the \caption and \label commands to use later
4056       \global\let\@bidiutffloat@orig@caption\caption%
4057       \global\let\@bidiutffloat@orig@label\label%
4058       \renewcommand{\caption}{\optparams{\@bidiutffloat@caption}{[] [0pt]}}%
4059       \renewcommand{\label}[1]{\@bidiutffloat@label{#1}}%
4060       % Handle subfigure package compatibility
4061       \ifthenelse{\boolean{\@bidiutffloat@packages@subfigure}}{%
4062         \bidi@patchcmd{\subfigure}{%
4063           \let\subfig@oldlabel=\label
4064         }{%
4065           \let\subfig@oldlabel=\@bidiutffloat@orig@label
4066         }
4067       }
4068     }% subfigure package is not loaded
4069     \@bidiutffloat@orig@float{#2}[#1]%
4070   \ifthenelse{\boolean{\@bidiutffloat@float@star}}%
4071     {\setlength{\@bidiutffloat@float@contents@width}{\@bidiutffloat@fullwidth}}%
4072     {\setlength{\@bidiutffloat@float@contents@width}{\textwidth}}%
4073   \begin{lrbox}{\@bidiutffloat@figure@box}%
4074     \begin{minipage}[\floatalignment]{\@bidiutffloat@float@contents@width}\hbox{}%

```



```

4076 }{% end @bidiutefloat@float
4077 \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% al
4078 \end{minipage}%
4079 \end{lrbox}%
4080 % build the caption box
4081 \begin{lrbox}{\@bidiutefloat@caption@box}%
4082 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4083 \ifthenelse{\NOT\equal{\@bidiutefloat@stored@caption}}{\@bidiutefloat@orig@capt
4084 \ifthenelse{\NOT\equal{\@bidiutefloat@stored@label}}{\@bidiutefloat@orig@label{
4085 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4086 \end{minipage}%
4087 \end{lrbox}%
4088 % now typeset the stored boxes
4089 \begin{fullwidth}%
4090 \begin{minipage}[\floatalignment]{\linewidth}%
4091 \ifthenelse{\boolean{@bidiutefloat@float@star}}%
4092 {\@bidiutefloat@float@fullwidth[\@bidiutefloat@caption@vertical@offset]{\@bidi
4093 {\@bidiutefloat@float@textwidth[\@bidiutefloat@caption@vertical@offset]{\@bidi
4094 \end{minipage}%
4095 \end{fullwidth}%
4096 \@bidiutefloat@orig@endfloat% end original LaTeX float environment
4097 % output debug info
4098 \ifthenelse{\boolean{@bidiutefloat@debug}}{%
4099 \typeout{^^J^^J----- bidiutefloat package float information -----}%
4100 \ifthenelse{\equal{\@bidiutefloat@stored@label}}{}%
4101 {\typeout{Warning: Float unlabeled!}}%
4102 {\typeout{Float label: [\@bidiutefloat@stored@label]}}%
4103 \typeout{Page number: [\thepage]}%
4104 \def\MessageBreak{^^J}%
4105 \typeout{\@bidiutefloat@float@debug@info}%
4106 \ifthenelse{\boolean{@bidiutefloat@symmetric}}%
4107 {\typeout{Symmetric: [true]}}%
4108 {\typeout{Symmetric: [false]}}%
4109 \typeout{-----^^J^^J}%
4110 }{}%
4111 % reset commands and temp boxes and captions
4112 \gdef\@bidiutefloat@float@debug@info{}%
4113 \let\caption\@bidiutefloat@orig@caption%
4114 \let\label\@bidiutefloat@orig@label%
4115 \begin{lrbox}{\@bidiutefloat@figure@box}\hbox{}\end{lrbox}%
4116 \begin{lrbox}{\@bidiutefloat@caption@box}\hbox{}\end{lrbox}%
4117 \gdef\@bidiutefloat@stored@shortcaption{}%
4118 \gdef\@bidiutefloat@stored@caption{}%
4119 \gdef\@bidiutefloat@stored@label{}%
4120 \gsetlength{\@bidiutefloat@caption@vertical@offset}{0pt}% reset caption offset
4121 }
4122 \newcommand{\@bidiutefloat@float@textwidth}[3][0pt]{%
4123 \ifthenelse{\NOT\boolean{@bidiutefloat@symmetric}}\OR\boolean{@bidiutefloat@float@recto}
4124 % asymmetric or page is odd, so caption is on the right
4125 \hbox{%

```



```

4126     \usebox{#2}%
4127     \hspace{\marginparsep}%
4128     \smash{\raisebox{#1}{\usebox{#3}}}%
4129   }
4130   \@bituftefloat@float@debug{Caption position: [right]]}%
4131 }{% symmetric pages and page is even, so caption is on the left
4132   \hbox{%
4133     \smash{\raisebox{#1}{\usebox{#3}}}%
4134     \hspace{\marginparsep}%
4135     \usebox{#2}%
4136   }
4137   \@bituftefloat@float@debug{Caption position: [left]]}%
4138 }%
4139 }
4140 \newcommand{\@bituftefloat@float@fullwidth}[3][0pt]{%
4141   \ifthenelse{\equal{\floatalignment}{b}}{%
4142     {% place caption above figure
4143       \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@re
4144         {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bituftefloat@float@debug{
4145         {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bituftefloat@float@debug{
4146     }}{% place caption below figure
4147       \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@re
4148         {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bituftefloat@float@debug{
4149         {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bituftefloat@float@debug{
4150     }}%
4151   }
4152 \renewenvironment{figure}[1][htbp]%
4153   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{}}
4154   {\end{@bituftefloat@float}}
4155 \renewenvironment{table}[1][htbp]
4156   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{}}
4157   {\end{@bituftefloat@float}}
4158 \renewenvironment{figure*}[1][htbp]%
4159   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{star}}
4160   {\end{@bituftefloat@float}}
4161 \renewenvironment{table*}[1][htbp]%
4162   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{star}}
4163   {\end{@bituftefloat@float}}
4164 \newenvironment{fullwidth}
4165   {\ifthenelse{\boolean{@bituftefloat@symmetric}}%
4166     {\ifthenelse{\boolean{@bituftefloat@change page}}{\begin{adjustwidth*}{-}\@bituftefl
4167     {\begin{adjustwidth}{-}\@bituftefloat@overhang}}}%
4168   }%
4169   {\ifthenelse{\boolean{@bituftefloat@symmetric}}%
4170     {\ifthenelse{\boolean{@bituftefloat@change page}}{\end{adjustwidth*}}{\end{adjustwidth}}
4171     {\end{adjustwidth}}}%
4172   }
4173 \long\def\@caption#1[#2]#3{%
4174   \par%
4175   \addcontentsline{\csname ext@#1\endcsname}{#1}%

```




```

4176 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4177 \begingroup%
4178 \parboxrestore%
4179 \if@minipage%
4180 \setminipage%
4181 \fi%
4182 \@bidiutftefloat@caption@font\@bidiutftefloat@caption@justification%
4183 \noindent\csname fnum#1\endcsname: \ignorespaces#3\par%
4184 \%@makecaption{\csname fnum#1\endcsname}{\ignorespaces #3}\par
4185 \endgroup}
4186 %%
4187 % Turns newlines into spaces. Based on code from the 'titlesec' package.
4188 \DeclareRobustCommand{\@bidiufteheading@newlinetospace}{\%
4189 \ifstar{\@bidiufteheading@newlinetospace@i}{\@bidiufteheading@newlinetospace@i}%
4190 }
4191 \def\@bidiufteheading@newlinetospace@i{\%
4192 \ifdim\lastskip>z@\else\space\fi
4193 \ignorespaces%
4194 }
4195 \DeclareRobustCommand{\newlinetospace}[1]{\%
4196 \let\@bidiufteheading@orig@cr\% save the original meaning of \\\
4197 \def\\{\@bidiufteheading@newlinetospace}% turn \\\ and \\* into \space
4198 \let\newline\% turn \newline into \space
4199 #1%
4200 \let\\ \@bidiufteheading@orig@cr% revert to original meaning of \\\
4201 }
4202 \RequirePackage{fancyhdr}
4203 \pagestyle{fancy}
4204 \AtBeginDocument{\%
4205 \ifthenelse{\boolean{@bidiuftefloat@symmetric}}
4206 {\fancyhfoffset[LE,RO]{\@bidiuftefloat@overhang}}
4207 {\fancyhfoffset[RE,RO]{\@bidiuftefloat@overhang}}
4208 }
4209 % The running heads/feet don't have rules
4210 \renewcommand{\headrulewidth}{0pt}
4211 \renewcommand{\footrulewidth}{0pt}
4212 % The 'fancy' page style is the default style for all pages.
4213 \fancyhf{} % clear header and footer fields
4214 \ifthenelse{\boolean{@bidiuftefloat@symmetric}}
4215 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4216 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4217 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4218 % The 'plain' page style is used on chapter opening pages.
4219 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4220 % bottom of pages -- the folios are unexpressed.
4221 \fancypagestyle{plain}{
4222 \fancyhf{} % clear header and footer fields
4223 % Uncomment the following five lines of code if you want the opening page
4224 % of the chapter to express the folio in the lower outside corner.
4225 % \ifthenelse{\boolean{@bidiuftefloat@symmetric}}

```



```

4226 % {\fancyfoot[LE,RO]{\thepage}}
4227 % {\fancyfoot[RE,RO]{\thepage}}
4228 }
4229 % The `empty' page style suppresses all headers and footers.
4230 % It's used on title pages and `intentionally blank' pages.
4231 \fancypagestyle{empty}{
4232   \fancyhf{} % clear header and footer fields
4233 }
4234 \def\morefloats{% provides a total of 52 floats
4235   \ifthenelse{\isundefined{\bx@S}}{%
4236     \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
4237     \newinsert\bx@S
4238     \newinsert\bx@T
4239     \newinsert\bx@U
4240     \newinsert\bx@V
4241     \newinsert\bx@W
4242     \newinsert\bx@X
4243     \newinsert\bx@Y
4244     \newinsert\bx@Z
4245     \newinsert\bx@a
4246     \newinsert\bx@b
4247     \newinsert\bx@c
4248     \newinsert\bx@d
4249     \newinsert\bx@e
4250     \newinsert\bx@f
4251     \newinsert\bx@g
4252     \newinsert\bx@h
4253     \newinsert\bx@i
4254     \newinsert\bx@j
4255     \newinsert\bx@k
4256     \newinsert\bx@l
4257     \newinsert\bx@m
4258     \newinsert\bx@n
4259     \newinsert\bx@o
4260     \newinsert\bx@p
4261     \newinsert\bx@q
4262     \newinsert\bx@r
4263     \newinsert\bx@s
4264     \newinsert\bx@t
4265     \newinsert\bx@u
4266     \newinsert\bx@v
4267     \newinsert\bx@w
4268     \newinsert\bx@x
4269     \newinsert\bx@y
4270     \newinsert\bx@z
4271     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4272       \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4273       \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4274       \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4275       \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V

```



```

4276         \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4277         \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4278         \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4279         \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4280         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4281         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4282         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4283 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4284 \ifthenelse{isundefined{\bx@AA}}{%
4285     \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
4286     \newinsert\bx@AA
4287     \newinsert\bx@BB
4288     \newinsert\bx@CC
4289     \newinsert\bx@DD
4290     \newinsert\bx@EE
4291     \newinsert\bx@FF
4292     \newinsert\bx@GG
4293     \newinsert\bx@HH
4294     \newinsert\bx@II
4295     \newinsert\bx@JJ
4296     \newinsert\bx@KK
4297     \newinsert\bx@LL
4298     \newinsert\bx@MM
4299     \newinsert\bx@NN
4300     \newinsert\bx@OO
4301     \newinsert\bx@PP
4302     \newinsert\bx@QQ
4303     \newinsert\bx@RR
4304     \newinsert\bx@SS
4305     \newinsert\bx@TT
4306     \newinsert\bx@UU
4307     \newinsert\bx@VV
4308     \newinsert\bx@WW
4309     \newinsert\bx@XX
4310     \newinsert\bx@YY
4311     \newinsert\bx@ZZ
4312 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4313     \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4314     \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4315     \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4316     \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4317     \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4318     \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4319     \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4320     \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4321     \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4322     \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4323     \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4324     \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4325     \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ

```



```

4326 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4327 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4328 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4329 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4330 }{%
4331 \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageB
4332 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\
4333 }%
4334 }%
4335 }
4336 \newboolean{@biditytfloat@packages@subfigure}
4337 \setboolean{@biditytfloat@packages@subfigure}{false}
4338 \AtBeginDocument{%
4339 \@ifpackageloaded{subfigure}
4340 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
4341 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}}%
4342 }
4343 \AtBeginDocument{%
4344 \@ifpackageloaded{float}{%
4345 % Save the redefined float environment (instead of the LaTeX float environment)
4346 \let\@biditytfloat@orig@float\@float
4347 \let\@biditytfloat@orig@endfloat\endfloat
4348
4349 % Define Tuftian float styles (with the caption in the margin)
4350 \newcommand{\floatc@biditytfloatplain}[2]{%
4351 \begin{lrbox}{\@biditytfloat@caption@box}%
4352 \begin{minipage}[floatalignment]{\marginparwidth}\hbox{%
4353 \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4354 \end{minipage}%
4355 \end{lrbox}%
4356 \smash{\hspace{\@biditytfloat@caption@fill}\usebox{\@biditytfloat@caption@box}}%
4357 }
4358 \newcommand{\fs@biditytfloatplain}{%
4359 \def\@fs@cfont{\@biditytfloat@caption@font}%
4360 \let\@fs@capt\floatc@biditytfloatplain%
4361 \def\@fs@pre{}%
4362 \def\@fs@post{}%
4363 \def\@fs@mid{}%
4364 \let\@fs@iftopcapt\iftrue%
4365 }
4366 \let\fs@biditytfloatplain@top=\fs@biditytfloatplain
4367 \let\floatc@biditytfloatplain@top=\floatc@biditytfloatplain
4368 \newcommand\floatc@biditytfloatruled[2]{%
4369 {\@fs@cfont #1} #2\par%
4370 }
4371 \newcommand\fs@biditytfloatruled{%
4372 \def\@fs@cfont{\@biditytfloat@caption@font}%
4373 \let\@fs@capt\floatc@biditytfloatplain%
4374 \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4375 \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%

```



```

4376 \def\@fs@mid{}%
4377 \let\@fs@iftopcapt\iftrue%
4378 }
4379 \newcommand\fs@biditytfloatboxed{%
4380 \def\@fs@cfont{}%
4381 \let\@fs@capt\floatc@biditytfloatplain%
4382 \def\@fs@pre{%
4383 \setbox\@currbox\vbox{\hbadness10000
4384 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4385 \hrule \hbox to\hsize{\vrule\kern3pt
4386 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4387 }%
4388 \def\@fs@mid{\kern2pt}%
4389 \def\@fs@post{}%
4390 \let\@fs@iftopcapt\iftrue%
4391 }
4392 }{%
4393 % Nothing to do
4394 }
4395 }
4396 \AtBeginDocument{%
4397 \ifpackageloaded{algorithm}{%
4398 % Set the float style to the Tufte version
4399 \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{list}}{\@fs@list}{\@fs@boxed}
4400 \biditytfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak
4401 \floatstyle{biditytfloat\ALG@floatstyle}%
4402 \restylefloat{algorithm}%
4403 }{}}%
4404 }{%
4405 % Nothing to do
4406 }
4407 }
4408 \PassOptionsToPackage{caption=false}{subfig}

```

7.23 biditytfloatnote.sty

```

4409 \NeedsTeXFormat{LaTeX2e}
4410 \ProvidesPackage{biditytfloatnote}[2015/04/30 v0.3
4411 bidi implementation of tufte sidenote]
4412 \RequirePackage{xifthen}
4413 \RequirePackage{ragged2e}
4414 \RequirePackage{setspace}
4415 \RequirePackage{biditytools}
4416 \def\biditytfloatnotemarginpar{%
4417 \ifhmode
4418 \@bsphack
4419 \@floatpenalty -\@Mii
4420 \else
4421 \@floatpenalty-\@Miii
4422 \fi

```



```

4423 \ifinner
4424 \@parmoderr
4425 \@floatpenalty\z@
4426 \else
4427 \@next\@currbox\@freelist{}\}%
4428 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4429 {\@floatpenalty\z@
4430 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4431 \fi
4432 \ifnextchar [\@bituftesidenotexmpar\@bituftesidenoteympar}
4433 \long\def\@bituftesidenotexmpar[#1]#2{%
4434 \@bituftesidenotesavemarbox\@marbox{#1}%
4435 \@bituftesidenotesavemarbox\@currbox{#2}%
4436 \@xympar}
4437 \long\def\@bituftesidenoteympar#1{%
4438 \@bituftesidenotesavemarbox\@marbox{#1}%
4439 \global\setbox\@currbox\copy\@marbox
4440 \@xympar}
4441 \long\def \@bituftesidenotesavemarbox #1#2{%
4442 \global\setbox #1%
4443 \color@vbox
4444 \vtop{%
4445 \hsize\marginparwidth
4446 \@parboxrestore
4447 \@bituftesidenotemarginparreset
4448 #2%
4449 \@minipagefalse
4450 \outer@nobreak
4451 }%
4452 \color@endbox
4453 }
4454 \def \@bituftesidenotemarginparreset {%
4455 \reset@font
4456 \normalsize
4457 \@minipagetrue
4458 \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
4459 }
4460 \def\LTRbituftesidenotemarginpar{%
4461 \ifhmode
4462 \@bsphack
4463 \@floatpenalty -\@Mii
4464 \else
4465 \@floatpenalty-\@Miii
4466 \fi
4467 \ifinner
4468 \@parmoderr
4469 \@floatpenalty\z@
4470 \else
4471 \@next\@currbox\@freelist{}\}%
4472 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%

```



```

4473      {\floatpenalty\z@
4474      \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4475      \fi
4476      \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteypar}
4477 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4478   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4479   \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
4480   \@xypar}
4481 \long\def\@LTRbidityftesidenoteypar#1{%
4482   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4483   \global\setbox\@currbox\copy\@marbox
4484   \@xypar}
4485 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
4486   \global\setbox #1%
4487     \color@vbox
4488     \vtop{%
4489       \hsize\marginparwidth
4490       \@parboxrestore
4491       \@LTRbidityftesidenotemarginparreset
4492       #2%
4493       \@minipagefalse
4494       \outer@nobreak
4495       }%
4496   \color@endbox
4497 }
4498 \def \@LTRbidityftesidenotemarginparreset {%
4499   \reset@font
4500   \normalsize
4501   \@minipagetrue
4502   \everypar{\@minipagefalse\everypar{}\beginL}%
4503 }
4504 \def\RTLbidityftesidenotemarginpar{%
4505   \ifhmode
4506     \@bsphack
4507     \@floatpenalty -\@Mii
4508   \else
4509     \@floatpenalty-\@Miii
4510   \fi
4511   \ifinner
4512     \@parmoderr
4513     \@floatpenalty\z@
4514   \else
4515     \@next\@currbox\@freelist{}\{}%
4516     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4517     {\@floatpenalty\z@
4518     \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4519   \fi
4520   \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteypar}
4521 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
4522   \@RTLbidityftesidenotesavemarbox\@marbox{#1}%

```



```

4523 \RTLbidityftesidenotesavemarbox\@currbox{#2}%
4524 \xympar}
4525 \long\def\@RTLbidityftesidenoteympar#1{%
4526 \RTLbidityftesidenotesavemarbox\@marbox{#1}%
4527 \global\setbox\@currbox\copy\@marbox
4528 \xympar}
4529 \long\def \RTLbidityftesidenotesavemarbox #1#2{%
4530 \global\setbox #1%
4531 \color@vbox
4532 \vtop{%
4533 \hsize\marginparwidth
4534 \@parboxrestore
4535 \RTLbidityftesidenotemarginparreset
4536 #2%
4537 \@minipagefalse
4538 \outer@nobreak
4539 }%
4540 \color@endbox
4541 }
4542 \def \RTLbidityftesidenotemarginparreset {%
4543 \reset@font
4544 \normalsize
4545 \@minipagetrue
4546 \everypar{\@minipagefalse\everypar{}\beginR}%
4547 }
4548 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
4549 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
4550 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
4551 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
4552 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
4553 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
4554 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
4555 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
4556 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
4557 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
4558 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
4559 \newcommand*{\@bidityftesidenote@RTLcitation@font}{\@bidityftesidenote@RTLmarginfont}
4560 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
4561 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
4562 \newcommand*{\setRTLSidenotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
4563 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
4564 \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}}
4565 \newcommand*{\setRTLmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}}
4566 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
4567 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
4568 \newcommand*{\setRTLcitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLcitation@font}{#1}}
4569 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@au}
4570 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@au}
4571 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@au}
4572 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%

```




```

4573 \newcommand{\@bidityftesidenote@margin@par}{%
4574   \setlength{\RaggedRightParindent}{0.5pc}%
4575   \setlength{\JustifyingParindent}{0.5pc}%
4576   \setlength{\parindent}{0.5pc}%
4577   \setlength{\parskip}{0pt}%
4578 }
4579 %%
4580 % Globally sets the length
4581 \ifundefined{gsetlength}{%
4582 \newcommand*{gsetlength}[2]{%
4583   \setlength{#1}{#2}%
4584   \global#1=#1\relax%
4585 }%
4586 }{}
4587
4588 %%
4589 % A function that removes leading and trailing spaces from the supplied macro.
4590 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4591 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
4592 % being trimmed of leading and trailing white space.
4593 \catcode`\Q=3
4594 \def\@bidityftesidenote@trim@spaces#1{%
4595   % Use grouping to emulate a multi-token afterassignment queue
4596   \begingroup%
4597   % Put ``\toks 0 {' into the afterassignment queue
4598   \aftergroup\toks\aftergroup0\aftergroup{%
4599   % Apply \trimb to the replacement text of #1, adding a leading
4600   % \noexpand to prevent brace stripping and to serve another purpose
4601   % later.
4602   \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4603   % Transfer the trimmed text back into #1.
4604   \edef#1{\the\toks0}%
4605 }
4606 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
4607 % clean up any leftover bizarre Qs, and trim a leading space. In
4608 % order for \trimc to work properly we need to put back a Q first.
4609 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
4610 % Execute \vfuzz assignment to remove leading space; the \noexpand
4611 % will now prevent unwanted expansion of a macro or other expandable
4612 % token at the beginning of the trimmed text. The \endgroup will feed
4613 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4614 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4615 \catcode`\Q=11
4616 %%
4617 % Citations should go in the margin as sidenotes
4618
4619 \RequirePackage{natbib}
4620 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography envi
4621 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4622 \renewcommand\BR@b@bibitem[2] []{%

```



```

4623 \ifthenelse{\isempty{#1}}%
4624   {\BR@bibitem{#2}}%
4625   {\BR@bibitem{#1}{#2}}%
4626 \BR@c@bibitem{#2}%
4627 }
4628 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
4629 %%
4630 % Normal \cite behavior
4631 \newcounter{@biditytesidenote@num@bibkeys}%
4632 \newcommand{\@biditytesidenote@normal@cite}[2][Opt]{%
4633   % Snag the last bibentry in the list for later comparison
4634   \let\@temp@last@bibkey\empty%
4635   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4636   \sidenote[] [#1]{%
4637     % Loop through all the bibentries, separating them with semicolons and spaces
4638     \normalsize\normalfont\@biditytesidenote@citation@font%
4639     \setcounter{@biditytesidenote@num@bibkeys}{0}%
4640     \@for\@temp@bibkeyx:=#2\do{%
4641       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4642         {\ifthenelse{\equal{\value{@biditytesidenote@num@bibkeys}}{0}}{\and\ }%
4643           \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4644           \bibentry{\@temp@bibkeyx}}%
4645         {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4646           \bibentry{\@temp@bibkeyx};\ }%
4647       \stepcounter{@biditytesidenote@num@bibkeys}%
4648     }%
4649   }%
4650 }
4651 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][Opt]{%
4652   % Snag the last bibentry in the list for later comparison
4653   \let\@temp@last@bibkey\empty%
4654   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4655   \LTRsidenote[] [#1]{%
4656     % Loop through all the bibentries, separating them with semicolons and spaces
4657     \normalsize\normalfont\@biditytesidenote@LTRcitation@font%
4658     \setcounter{@biditytesidenote@num@bibkeys}{0}%
4659     \@for\@temp@bibkeyx:=#2\do{%
4660       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4661         {\ifthenelse{\equal{\value{@biditytesidenote@num@bibkeys}}{0}}{\and\ }%
4662           \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4663           \bibentry{\@temp@bibkeyx}}%
4664         {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4665           \bibentry{\@temp@bibkeyx};\ }%
4666       \stepcounter{@biditytesidenote@num@bibkeys}%
4667     }%
4668   }%
4669 }
4670 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
4671   % Snag the last bibentry in the list for later comparison
4672   \let\@temp@last@bibkey\empty%

```



```

4673 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4674 \RTLsidenote[] [#1]{%
4675 % Loop through all the bibentries, separating them with semicolons and spaces
4676 \normalsize\normalfont\@bidityftesidenote@citation@font%
4677 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4678 \@for\@temp@bibkeyx:=#2\do{%
4679 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4680 {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\}{and\ }}%
4681 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4682 \bibentry{\@temp@bibkeyx}}%
4683 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4684 \bibentry{\@temp@bibkeyx};\ }}%
4685 \stepcounter{@bidityftesidenote@num@bibkeys}%
4686 }%
4687 }%
4688 }
4689 %%
4690 % Macros for holding the list of cite keys until after the \sidenote
4691 \gdef\@bidityftesidenote@citations{}% list of cite keys
4692 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
4693 \ifx\@bidityftesidenote@citations\@empty\else
4694 \g@addto@macro\@bidityftesidenote@citations{,% separate by commas
4695 \fi
4696 \g@addto@macro\@bidityftesidenote@citations{#1}
4697 }
4698 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin not
4699 % Snag the last bibentry in the list for later comparison
4700 \let\@temp@last@bibkey\@empty%
4701 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4702 \marginpar{%
4703 \hbox{\vspace*{#1}%
4704 \@bidityftesidenote@citation@font%
4705 \@bidityftesidenote@citation@justification%
4706 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4707 \vspace*{-1\baselineskip}}%
4708 % Loop through all the bibentries, separating them with semicolons and spaces
4709 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4710 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
4711 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4712 {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\}{and\ }}%
4713 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4714 \bibentry{\@temp@bibkeyx}}%
4715 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4716 \bibentry{\@temp@bibkeyx};\ }}%
4717 \stepcounter{@bidityftesidenote@num@bibkeys}%
4718 }%
4719 }%
4720 }
4721 %%
4722 % \cite behavior when executed within a sidenote

```



```

4723 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
4724 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
4725   \@bidityftesidenote@add@citation{#1}
4726 }
4727 %%
4728 % Set the default \cite style. This is set and reset by the \sidenote command.
4729 \let\cite\@bidityftesidenote@normal@cite
4730 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
4731 \let\RTLcite\@bidityfteRTLSidenote@normal@cite
4732 %%
4733 % Transform existing \footnotes into \sidenotes
4734 % Sidenote: ``Where God meant footnotes to go.' ' ---bidityftesidenote
4735 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional argum
4736 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenot
4737 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@
4738 % Override footmisc's definition to set the sidenote marks (numbers) inside the
4739 % sidenote's text block.
4740 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@bidityftesidenote@
4741 % Set the in-text footnote mark in the same typeface as the body text itself.
4742 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@bidityftesidenote@
4743 \providecommand*\@multiplefootnotemarker}{3sp}
4744 \providecommand*\@multfootsep}{,}
4745 \bidi@patch@AfterPackage{bidi}{%
4746 \renewcommand{\@footnotemark}{%
4747   \leavevmode%
4748   \ifhmode%
4749     \edef\@x@sf{\the\spacefactor}%
4750     \@bidityftesidenote@check@multiple@sidenotes%
4751     \nobreak%
4752   \fi%
4753   \@makefnmark%
4754   \ifhmode\spacefactor\@x@sf\fi%
4755   \relax%
4756 }%
4757 }
4758 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
4759   \ifdim\lastkern=\@multiplefootnotemarker\relax%
4760     \edef\@x@sf{\the\spacefactor}%
4761     \unkern%
4762     \textsuperscript{\@multfootsep}%
4763     \spacefactor\@x@sf\relax%
4764   \fi
4765 }
4766 \bidi@patch@AfterPackage{bidi}{%
4767 \renewcommand\@footnotetext[2][0pt]{%
4768   \bidityftesidenotemarginpar{%
4769     \hbox{} \vspace*{#1}%
4770     \def\baselinestretch {\setspace@singlespace}%
4771     \bidi@footnotetext@font% \reset@font\footnotesize%
4772     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text

```



```

4773 \vspace*{-1\baselineskip}\noindent%
4774 \protected@edef\@currentlabel{%
4775     \csname p@footnote\endcsname\@thefnmark%
4776 }%
4777 \color@begingroup%
4778     \makefntext{%
4779         \ignorespaces#2%
4780     }%
4781 \color@endgroup%
4782 }%
4783 }%
4784 \renewcommand\@LTRfootnotetext[2][Opt]{%
4785     \LTRbidituftesidenotemarginpar{%
4786         \hbox{}\vspace*{#1}%
4787         \def\baselinestretch {\setspace@singlespace}%
4788         \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
4789         \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
4790         \vspace*{-1\baselineskip}\noindent%
4791         \protected@edef\@currentlabel{%
4792             \csname p@footnote\endcsname\@thefnmark%
4793         }%
4794         \color@begingroup%
4795             \makefntext{%
4796                 \ignorespaces#2%
4797             }%
4798         \color@endgroup%
4799     }%
4800 }%
4801 \renewcommand\@RTLfootnotetext[2][Opt]{%
4802     \RTLbidituftesidenotemarginpar{%
4803         \hbox{}\vspace*{#1}%
4804         \def\baselinestretch {\setspace@singlespace}%
4805         \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
4806         \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
4807         \vspace*{-1\baselineskip}\noindent%
4808         \protected@edef\@currentlabel{%
4809             \csname p@footnote\endcsname\@thefnmark%
4810         }%
4811         \color@begingroup%
4812             \makefntext{%
4813                 \ignorespaces#2%
4814             }%
4815         \color@endgroup%
4816     }%
4817 }%
4818 }
4819 %
4820 % Define \sidenote command. Can handle \cite.
4821 \newlength{\@bidituftesidenote@sidenote@vertical@offset}
4822 \setlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}

```



```

4823 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
4824 \long\def\@bidiuftesidenote@sidenote[#1][#2]#3{%
4825   \let\cite\@bidiuftesidenote@infootnote@cite%   use the in-sidenote \cite command
4826   \gdef\@bidiuftesidenote@citations{}%          clear out any old citations
4827   \ifthenelse{\NOT\isempty{#2}}{%
4828     \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{#2}%
4829   }{%
4830     \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{Opt}%
4831   }%
4832   \ifthenelse{\isempty{#1}}{%
4833     % no specific footnote number provided
4834     \stepcounter\@mpfn%
4835     \protected@xdef\@thefnmark{\thempfn}%
4836     \@footnotemark\@footnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4837   }{%
4838     % specific footnote number provided
4839     \begingroup%
4840       \csname c@\@mpfn\endcsname #1\relax%
4841       \unrestored@protected@xdef\@thefnmark{\thempfn}%
4842     \endgroup%
4843     \@footnotemark\@footnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4844   }%
4845   \@bidiuftesidenote@print@citations%             print any citations
4846   \let\cite\@bidiuftesidenote@normal@cite%        go back to using normal in-text \cite comma
4847   \let\LTRcite\@bidiufteLTRsidenote@normal@cite%  go back to using normal in-text \LTRc
4848   \let\RTLcite\@bidiufteRTLsidenote@normal@cite%  go back to using normal in-text \RLc
4849   \unskip\ignorespaces%                          remove extra white space
4850   \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
4851   \kern\multiplefootnotemarker\relax%             add new \kern here to replace the one we yanked
4852 }
4853 \long\def\@LTRbidiuftesidenote@sidenote[#1][#2]#3{%
4854   \let\cite\@bidiuftesidenote@infootnote@cite%   use the in-sidenote \cite command
4855   \gdef\@bidiuftesidenote@citations{}%          clear out any old citations
4856   \ifthenelse{\NOT\isempty{#2}}{%
4857     \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{#2}%
4858   }{%
4859     \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{Opt}%
4860   }%
4861   \ifthenelse{\isempty{#1}}{%
4862     % no specific footnote number provided
4863     \stepcounter\@mpfn%
4864     \protected@xdef\@thefnmark{\thempfn}%
4865     \@footnotemark\@LTRfootnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4866   }{%
4867     % specific footnote number provided
4868     \begingroup%
4869       \csname c@\@mpfn\endcsname #1\relax%
4870       \unrestored@protected@xdef\@thefnmark{\thempfn}%
4871     \endgroup%
4872     \@footnotemark\@LTRfootnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%

```



```

4873 }%
4874 \@bidituftesidenote@print@citations%          print any citations
4875 \let\cite\@bidituftesidenote@normal@cite%      go back to using normal in-text \cite comma
4876 \let\LTRcite\@bidituftelTRsidenote@normal@cite% go back to using normal in-text \LTRc
4877 \let\RTLcite\@biditufterTLsidenote@normal@cite% go back to using normal in-text \RTLc
4878 \unskip\ignorespaces%                          remove extra white space
4879 \kern-\multiplefootnotemarker%                  remove \kern left behind by sidenote
4880 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4881 }
4882 \long\def\@RTLbidituftesidenote@sidenote[#1][#2]#3{%
4883 \let\cite\@bidituftesidenote@infootnote@cite%  use the in-sidenote \cite command
4884 \gdef\@bidituftesidenote@citations{}%          clear out any old citations
4885 \ifthenelse{\NOT\isempty{#2}}{%
4886   \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
4887 }{%
4888   \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
4889 }%
4890 \ifthenelse{\isempty{#1}}{%
4891   % no specific footnote number provided
4892   \stepcounter\@mpfn%
4893   \protected@xdef\@thefnmark{\thempfn}%
4894   \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4895 }{%
4896   % specific footnote number provided
4897   \begingroup%
4898     \csname c@\@mpfn\endcsname #1\relax%
4899     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4900   \endgroup%
4901   \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4902 }%
4903 \@bidituftesidenote@print@citations%          print any citations
4904 \let\cite\@bidituftesidenote@normal@cite%      go back to using normal in-text \cite comma
4905 \let\LTRcite\@bidituftelTRsidenote@normal@cite% go back to using normal in-text \LTRc
4906 \let\RTLcite\@biditufterTLsidenote@normal@cite% go back to using normal in-text \RTLc
4907 \unskip\ignorespaces%                          remove extra white space
4908 \kern-\multiplefootnotemarker%                  remove \kern left behind by sidenote
4909 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4910 }
4911 \newcommand{\sidenote}{\optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}
4912 \newcommand{\LTRsidenote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}
4913 \newcommand{\RTLsidenote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}
4914 \bidi@patch@AfterPackage{bidi}{%
4915 \renewcommand{\footnote}{\optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}%
4916 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}%
4917 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}%
4918 }
4919 %%
4920 % Sidenote without the footnote mark
4921 \newcommand\marginnote[2][Opt]{%
4922   \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command

```



```

4923 \gdef\@bidityftesidenote@citations{}}%          clear out any old citations
4924 \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
4925 \@bidityftesidenote@print@citations%          print any citations
4926 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comma
4927 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRc
4928 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLc
4929 }
4930 \newcommand\LTRmarginnote[2][Opt]{%
4931 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4932 \gdef\@bidityftesidenote@citations{}}%          clear out any old citations
4933 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote\LTRmarginnote@font\@b
4934 \@bidityftesidenote@print@citations%          print any citations
4935 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comma
4936 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRc
4937 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLc
4938 }
4939 \newcommand\RTLMarginnote[2][Opt]{%
4940 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4941 \gdef\@bidityftesidenote@citations{}}%          clear out any old citations
4942 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote\RTLMarginnote@font\@b
4943 \@bidityftesidenote@print@citations%          print any citations
4944 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comma
4945 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRc
4946 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLc
4947 }

```

7.24 bidityftetoc.sty

```

4948 \NeedsTeXFormat{LaTeX2e}
4949 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
4950 bidi implementation of tufte toc]
4951 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
4952 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
4953 \newcommand{\bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
4954 %%
4955 % Turn off section numbering
4956 \setcounter{secnumdepth}{-1}
4957 \newboolean{@bidityftetoc@toc}
4958 \setboolean{@bidityftetoc@toc}{true}
4959 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
4960 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
4961 \ProcessOptions
4962 %%
4963 % Make Tuftean-style section headings and TOC formatting
4964 \bidity@patch@AfterPackage{bidi}{%
4965 \titleformat{\chapter}%
4966 [display]% shape
4967 {\relax\ifthenelse{\NOT\boolean{@biditytfefloat@symmetric}}{\begin{fullwidth}}{}}% format a
4968 {\itshape\huge\thechapter}% label
4969 {0pt}% horizontal separation between label and title body

```




```

4970 {\huge\rmfamily\itshape}% before the title body
4971 [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}]% after the title
4972 \titleformat{\section}%
4973 [hang]% shape
4974 {\normalfont\Large\itshape}% format applied to label+text
4975 {\thesection}% label
4976 {1em}% horizontal separation between label and title body
4977 {}% before the title body
4978 []% after the title body
4979 \titleformat{\subsection}%
4980 [hang]% shape
4981 {\normalfont\large\itshape}% format applied to label+text
4982 {\thesubsection}% label
4983 {1em}% horizontal separation between label and title body
4984 {}% before the title body
4985 []% after the title body
4986 \titleformat{\paragraph}%
4987 [runin]% shape
4988 {\normalfont\itshape}% format applied to label+text
4989 {\theparagraph}% label
4990 {1em}% horizontal separation between label and title body
4991 {}% before the title body
4992 []% after the title body
4993 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
4994 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
4995 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
4996 }
4997 % Subsubsection and following section headings shouldn't be used.
4998 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
4999 \renewcommand\subsubsection{%
5000 \biditytetocError{\noexpand\subsubsection is undefined by this class.%
5001 \MessageBreak See Robert Bringhurst's _The Elements of
5002 \MessageBreak Typographic Style_, section 4.2.2.
5003 \MessageBreak \noexpand\subsubsection was used}
5004 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5005 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the ma
5006 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5007 }
5008 \renewcommand\subparagraph{%
5009 \biditytetocError{\noexpand\subparagraph is undefined by this class.%
5010 \MessageBreak See Robert Bringhurst's _The Elements of
5011 \MessageBreak Typographic Style_, section 4.2.2.
5012 \MessageBreak \noexpand\subparagraph was used}
5013 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5014 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the ma
5015 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5016 }
5017 % Formatting for main TOC (printed in front matter)
5018 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5019 \ifthenelse{\boolean{@biditytetoc@toc}}{%

```



```

5020 \bidi@patch@AfterPackage{bidi}{%
5021 \titlecontents{part}% FIXME
5022 [0em] % distance from left margin
5023 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format)
5024 {\contentslabel{2em}} % before w/label (label = ``II'')
5025 {} % before w/o label
5026 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5027 [\end{fullwidth}] % after
5028 \titlecontents{chapter}%
5029 [0em] % distance from left margin
5030 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format)
5031 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
5032 {\hspace*{0em}} % before w/o label
5033 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5034 [\end{fullwidth}] % after
5035 \titlecontents{section}% FIXME
5036 [0em] % distance from left margin
5037 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format)
5038 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5039 {\hspace*{2em}} % before w/o label
5040 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5041 [\end{fullwidth}] % after
5042 \titlecontents{subsection}% FIXME
5043 [0em] % distance from left margin
5044 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format)
5045 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5046 {\hspace*{4em}} % before w/o label
5047 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5048 [\end{fullwidth}] % after
5049 \titlecontents{paragraph}% FIXME
5050 [0em] % distance from left margin
5051 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global format)
5052 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5053 {\hspace*{6em}} % before w/o label
5054 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5055 [\end{fullwidth}] % after
5056 }%
5057 }{}
5058 %%
5059 % Format lists of figures/tables
5060 \renewcommand\listoffigures{%
5061 \ifundefined{chapter}%
5062 {\section*{\listfigurename}}%
5063 {\chapter*{\listfigurename}}%
5064 % \begin{fullwidth}%
5065 % \@starttoc{lof}%
5066 % \end{fullwidth}%
5067 }
5068 \renewcommand\listoftables{%
5069 \ifundefined{chapter}%

```



```

5070     {\section*{\listtablename}}%
5071     {\chapter*{\listtablename}}%
5072 % \begin{fullwidth}%
5073     \@starttoc{lot}%
5074 % \end{fullwidth}%
5075 }
5076 \newcommand{\@bidityfttoc@lof@line}[2]{%
5077 % #1 is the figure/table number and its caption text
5078 % #2 is the page number on which the figure/table appears
5079 \leftskip 0.0em
5080 \rightskip 0em
5081 \parfillskip 0em plus 1fil
5082 \parindent 0.0em
5083 \@afterindenttrue
5084 \interlinepenalty\@M
5085 \leavevmode
5086 \@tempdima 2.0em
5087 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5088 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
5089 {#1}\nobreak\quad\nobreak#2%
5090 \par%
5091 }
5092 \renewcommand*{\l@figure}{\@bidityfttoc@lof@line}
5093 \let\l@table\l@figure

```

7.25 bidityftgeneralstructure.sty

```

5094 \NeedsTeXFormat{LaTeX2e}
5095 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5096 bidi implementation of tufe general structure]
5097 \renewcommand\small{%
5098     \@setfontsize\small\@ixpt{12}%
5099     \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5100     \abovedisplayshortskip \z@ \@plus2\p@
5101     \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5102     \def\@listi{\leftmargin\leftmargini
5103         \topsep 4\p@ \@plus2\p@ \@minus2\p@
5104         \parsep 2\p@ \@plus\p@ \@minus\p@
5105         \itemsep \parsep}%
5106     \belowdisplayskip \abovedisplayskip
5107 }
5108 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5109 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5110 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5111 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
5112 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5113 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5114 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5115 \setlength\leftmargini {1pc}
5116 \setlength\leftmarginii {1pc}

```



```

5117 \setlength\leftmarginiii {1pc}
5118 \setlength\leftmarginiv {1pc}
5119 \setlength\leftmarginv {1pc}
5120 \setlength\leftmarginvi {1pc}
5121 \setlength\labelsep {.5pc}
5122 \setlength\labelwidth {\leftmargini}
5123 \addtolength\labelwidth{-\labelsep}
5124 \setlength{\parindent}{1.0pc}%
5125 \setlength{\parskip}{0pt}%
5126 \RequirePackage{ragged2e}
5127 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5128 % Paragraph indentation and separation for normal text
5129 \newcommand{\@bidiuftgeneralstructure@reset@par}{%
5130 \setlength{\RaggedRightParindent}{1.0pc}%
5131 \setlength{\JustifyingParindent}{1.0pc}%
5132 \setlength{\parindent}{1pc}%
5133 \setlength{\parskip}{0pt}%
5134 }
5135 \@bidiuftgeneralstructure@reset@par
5136 % Require paralist package for tighter lists
5137 \RequirePackage{paralist}
5138 % Add rightmargin to compactenum
5139 \def\@compactenum{%
5140 \expandafter\list\csname label\@enumctr\endcsname{%
5141 \usecounter{\@enumctr}%
5142 \rightmargin=2em% added this
5143 \parsep\plparsep
5144 \itemsep\plitemsep
5145 \topsep\pltopsep
5146 \partopsep\plpartopsep
5147 \def\makelabel##1{\hss\llap{##1}}}}
5148 %%
5149 % An environment for paragraph-style section
5150 \providecommand\newthought[1]{%
5151 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5152 \noindent\textbf{#1}%
5153 }
5154 %%
5155 % Redefine the display environments (quote, quotation, etc.)
5156 \renewenvironment{verse}
5157 {\let\\\@centercr
5158 \list{}{\itemsep \z@
5159 \itemindent -1pc%
5160 \listparindent\itemindent
5161 \rightmargin \leftmargin
5162 \advance\leftmargin 1pc}%
5163 \small%
5164 \item\relax}
5165 {\endlist}
5166 \renewenvironment{quotation}

```



```

5167         {\list}{\listparindent 1pc%
5168             \itemindent \listparindent
5169             \rightmargin \leftmargin
5170             \parsep \z@ \@plus\p@}%
5171         \small%
5172         \item\relax\noindent\ignorespaces}
5173     {\endlist}
5174 \renewenvironment{quote}
5175     {\list}{\rightmargin\leftmargin}%
5176     \small%
5177     \item\relax}
5178     {\endlist}
5179 % Italicize description run-in headings (instead of the default bold)
5180 \renewcommand*{\descriptionlabel[1]}{\hspace\labelsep\normalfont\em #1}
5181 %%
5182 % Redefine \bibsection to not mark the running heads.
5183 % (Code modified from natbib.sty.)
5184 \ifundefined{chapter}%
5185     {\renewcommand\bibsection{\section*{\refname}}}
5186     {\ifundefined{NAT@sectionbib}%
5187         {\renewcommand\bibsection{\chapter{\bibname}}}
5188         {\renewcommand\bibsection{\section*{\bibname}}}}
5189 \RequirePackage{multicol}
5190 \renewenvironment{theindex}{%
5191     \ifundefined{chapter}%
5192         {\section*{\indexname}}%
5193         {\chapter{\indexname}}%
5194     \begin{fullwidth}%
5195     \small%
5196     \parskip0pt%
5197     \parindent0pt%
5198     \let\item\@idxitem%
5199     \begin{multicols}{3}%
5200 }{%
5201     \end{multicols}%
5202     \end{fullwidth}%
5203 }
5204 \AtBeginDocument{%
5205 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5206 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5207 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5208 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5209 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

7.26 bidentuftehyperref.sty

```

5210 \NeedsTeXFormat{LaTeX2e}
5211 \ProvidesPackage{bidentuftehyperref}[2011/06/18 v0.1
5212 bidi implementation of tufte hyperref]
5213 %%

```



```

5214 % Color
5215 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5216 \newboolean{@biditytfttehyperref@loadhyper}
5217 \setboolean{@biditytfttehyperref@loadhyper}{true}
5218 \DeclareOption{hyper}{\setboolean{@biditytfttehyperref@loadhyper}{true}}
5219 \DeclareOption{nohyper}{\setboolean{@biditytfttehyperref@loadhyper}{false}}
5220 \ProcessOptions
5221 %% Loads the hyperref package and sets some default options.
5222 \newcommand{\biditytfttehyperrefLoadHyperref}{%
5223 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5224 \hypersetup{%
5225     bookmarksdepth = section,
5226     citecolor = DarkGreen,
5227     linkcolor = DarkBlue,
5228     pagecolor = DarkBlue,
5229     urlcolor = DarkGreen,
5230 }%
5231 }
5232 \ifthenelse{\boolean{@biditytfttehyperref@loadhyper}}{%
5233 \biditytfttehyperrefLoadHyperref%
5234 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5235 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5236 }

```

7.27 biditytfttitle.sty

```

5237 \NeedsTeXFormat{LaTeX2e}
5238 \ProvidesPackage{biditytfttitle}[2011/06/18 v0.1
5239 bidi implementation of tufte title]
5240 \RequirePackage{biditytools}
5241 %%
5242 % `titlepage' option -- creates a full title page with \maketitle
5243 \newboolean{@biditytfttitle@titlepage}
5244 \DeclareOption{titlepage}{\setboolean{@biditytfttitle@titlepage}{true}}
5245 \DeclareOption{notitlepage}{\setboolean{@biditytfttitle@titlepage}{false}}
5246 % Default `book' and `handout' options
5247 \@ifclassloaded{book}{%
5248 \ExecuteOptions{titlepage}}{%
5249 \@ifclassloaded{article}{%
5250 \ExecuteOptions{notitlepage}}%
5251 {}}
5252 \ProcessOptions
5253 %%
5254 % Modified \title, \author, and \date commands. These store the
5255 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
5256 \newcommand{\plaintitle}{}% plain-text-only title
5257 \newcommand{\plainauthor}{}% plain-text-only author
5258 \newcommand{\plainpublisher}{}% plain-text-only publisher
5259 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5260 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}

```



```

5261 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5262 \newcommand{\@publisher}{}% full publisher with \thanks{}
5263 \newcommand{\thedata}{\today}
5264 \bidi@patch@AfterPackage{bidi}{%
5265 \renewcommand{\thanks}[1]{\footnote{#1}}
5266 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5267 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5268 }
5269 \renewcommand{\title}[2][]{%
5270 \gdef\@title{#2}%
5271 \begingroup%
5272 % TODO store contents of \thanks command
5273 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5274 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5275 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5276 \protected@xdef\thanklesstitle{#2}%
5277 \endgroup%
5278 \ifthenelse{\isempty{#1}}{%
5279 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5280 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5281 \@ifundefined{hypersetup}%
5282 {}% hyperref is not loaded; do nothing
5283 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5284 }
5285 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5286 \renewcommand{\author}[2][]{%
5287 \ifthenelse{\isempty{#2}}{}{\gdef\@author{#2}}%
5288 \begingroup%
5289 % TODO store contents of \thanks command
5290 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5291 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5292 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5293 \protected@xdef\thanklessauthor{#2}%
5294 \endgroup%
5295 \ifthenelse{\isempty{#1}}{%
5296 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5297 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5298 \@ifundefined{hypersetup}%
5299 {}% hyperref is not loaded; do nothing
5300 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5301 }
5302 \renewcommand{\date}[1]{%
5303 \gdef\@date{#1}%
5304 \begingroup%
5305 % TODO store contents of \thanks command
5306 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5307 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5308 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5309 \protected@xdef\thedata{#1}%
5310 \endgroup%

```



```

5311 }
5312 %%
5313 % Provides a \publisher command to set the publisher
5314 \newcommand{\publisher}[2][]{%
5315   \gdef\@publisher{#2}%
5316   \begingroup%
5317     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5318     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5319     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5320     \protected@xdef\thanklesspublisher{#2}%
5321   \endgroup%
5322   \ifthenelse{\isempty{#1}}
5323     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5324     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5325 }
5326 %%
5327 % Produces a full title page
5328 \newcommand{\maketitlepage}[0]{%
5329   \cleardoublepage%
5330   {%
5331     \bfseries%
5332     \begin{fullwidth}%
5333       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5334       \vspace{11.5pc}%
5335       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5336       \vfill%
5337       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5338     \end{fullwidth}%
5339   }
5340   \thispagestyle{empty}%
5341   \clearpage%
5342 }
5343 %%
5344 % Title block
5345 \bidi@AfterEndPreamble{%
5346 \renewcommand{\maketitle}{%
5347   \newpage%
5348   \global\@topnum\z@% prevent floats from being placed at the top of the page
5349   \begingroup%
5350     \setlength{\parindent}{0pt}%
5351     \setlength{\parskip}{4pt}%
5352     \let\@title\@empty%
5353     \let\@author\@empty%
5354     \let\@date\@empty%
5355     \gdef\@title{\LARGE\itshape\@title\par}%
5356     \gdef\@author{\Large\itshape\@author\par}%
5357     \gdef\@date{\Large\itshape\@date\par}%
5358     \@title%
5359     \@author%
5360     \@date%

```




```

5361 \endgroup%
5362 \thispagestyle{plain}% suppress the running head
5363 }%
5364 }
5365 %%
5366 % Title page (if the `titlepage' option was passed to the bidentuftetitle-handout
5367 % class.)
5368 \bidi@AfterEndPreamble{%
5369 \ifthenelse{\boolean{@bidentuftetitle@titlepage}}
5370 {\renewcommand{\maketitle}{\maketitlepage}}
5371 {}
5372 }
5373 %%
5374 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5375 % without headers and footers
5376 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5377 \hbox{}
5378 %\vspace*{\fill}
5379 %\begin{center}
5380 % This page intentionally contains only this sentence.
5381 %\end{center}
5382 %\vspace{\fill}
5383 \thispagestyle{empty}
5384 \newpage
5385 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

7.28 bidentufte-handout.cls

```

5386 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5387 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
5388 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5389 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5390 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5391 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5392 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5393 \ProcessOptions\relax
5394 \LoadClass{article}
5395 \RequirePackage{bidentuftefloat}
5396 \RequirePackage{bidentuftesidenote}
5397 \RequirePackage{bidentuftetoc}
5398 \RequirePackage{bidentuftegeneralstructure}
5399 \RequirePackage{bidentuftehyperref}
5400 \RequirePackage{bidentuftetitle}
5401 \renewenvironment{abstract}
5402 {\begin{quotation}}
5403 {\end{quotation}}
5404 \AtBeginDocument{%
5405 \IfFileExists{bidentufte-handout.cfg}
5406 {\input{bidentufte-handout.cfg}
5407 \ClassInfo{bidentufte-handout}{Loading bidentufte-handout configuration file \@gobble}}

```



```

5408 {}%
5409 }

```

7.29 bidentufts-book.cls

```

5410 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5411 \ProvidesClass{bidentufts-book}[2011/06/18 v0.1 bidentufts-book class]
5412 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5413 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftsfloat}}
5414 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftsotoc}}
5415 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftshyperref}}
5416 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftsotitle}}
5417 \ProcessOptions\relax
5418 \LoadClass{book}
5419 \RequirePackage{bidentuftsfloat}
5420 \RequirePackage{bidentuftsotidenote}
5421 \RequirePackage{bidentuftsotoc}
5422 \RequirePackage{bidentuftsotegeneralstructure}
5423 \RequirePackage{bidentuftsothyperref}
5424 \RequirePackage{bidentuftsotitle}
5425 %%
5426 % Set up any book-specific stuff now
5427 %%
5428 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5429 % to the opening page of Chapter 1. The running heads, when they appear,
5430 % contain only the (arabic) page number in the outside corner.
5431 %\newif\if@mainmatter \@mainmattertrue
5432 \renewcommand\frontmatter{%
5433   \cleardoublepage%
5434   \@mainmatterfalse%
5435   \pagenumbering{arabic}%
5436   %\pagestyle{plain}%
5437   \fancyhf{}%
5438   \ifthenelse{\boolean{@bidentuftsfloat@twoside}}%
5439     {\fancyhead[LE,RO]{\thepage}}%
5440     {\fancyhead[RE,RO]{\thepage}}%
5441 }
5442 %%
5443 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5444 % numbering---it continues where it left off in the front matter.
5445 \renewcommand\mainmatter{%
5446   \cleardoublepage%
5447   \@mainmattertrue%
5448   \fancyhf{}%
5449   \ifthenelse{\boolean{@bidentuftsfloat@twoside}}%
5450     {\renewcommand\chaptermark[1]{\markboth{##1}{}}}%
5451     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5452     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5453     \fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}% book title
5454 }

```



```

5455 %%
5456 % The back matter contains appendices, indices, glossaries, endnotes,
5457 % bibliographies, list of contributors, illustration credits, etc.
5458 \renewcommand\backmatter{%
5459   \if@openright%
5460     \cleardoublepage%
5461   \else%
5462     \clearpage%
5463   \fi%
5464   \@mainmatterfalse%
5465 }
5466 %%
5467 % Only show the chapter titles in the table of contents
5468 \setcounter{tocdepth}{0}
5469 \AtBeginDocument{%
5470   \IfFileExists{biditufte-book.cfg}
5471   {\input{biditufte-book.cfg}}
5472   \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
5473 {}%
5474 }

```

7.30 bidipoem.sty

```

5475 \NeedsTeXFormat{LaTeX2e}
5476 \ProvidesPackage{bidipoem}%
5477 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5478
5479 % Usage:
5480 %
5481 % \Setversedim #1#2 % define the layout (within a group):
5482 % #1 = length of both half-verses
5483 % #2 = separation distance = length of a connection, if present
5484 % Variant:
5485 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5486 % #1 = length of first (=right) half-verse
5487 % #2 = length of second (=left) half-verse
5488 % #3 = separation distance = length of a connection, if present
5489 %
5490 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5491 % #1 = text of first (=right) half-verse
5492 % #2 = text of second (=left) half-verse
5493 % Variant:
5494 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5495 % #1 = text of first (=right) half-verse
5496 % #2 = text of connection
5497 % #3 = text of second (=left) half-verse
5498 %
5499 % Alternative (if preferred):
5500 %
5501 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3

```



```

5502
5503
5504 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5505
5506 % define the layout, verses will be centered
5507
5508 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5509 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
5510
5511 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5512 \bidipoem@hvind \textwidth
5513 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5514 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []\else
5515 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem
5516
5517 \def \bidipoem@set@verseI [#1]{% optional parameter
5518 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5519
5520 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5521 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
5522 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5523
5524 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5525 \ifdim Opt > \bidipoem@hvind %
5526 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
5527 \else
5528 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5529 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5530 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
5531 \par }
5532
5533 % macro for two half verses
5534 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5535 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[]%
5536 \else\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5537 \bidipoem@half@verses@next}
5538
5539 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5540 \traditionalconnverses {#1}{#2}{#3}}
5541
5542
5543 {\catcode\^^M=active % these lines must end with %
5544 \gdef\traditionalpoem@obeylines{\catcode\^^M=active \let^^M\traditionalpoem@par}%
5545 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
5546 {\catcode\^^M=active % these lines must end with %
5547 \gdef\modernpoem@obeylines{\catcode\^^M=active \let^^M\modernpoem@par}%
5548 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
5549 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5550 \def\poemmarginskip{1em plus 1fil minus 1em}
5551 \def\poemextrabaselineskip{0\baselineskip}

```



```

5552 \def\poemskip{\medskip}
5553 \newcommand{\bidipoem@openbox}{\leavevmode
5554   \hbox to.77778em{%
5555     \hfil\vrule
5556     \vbox to.675em{\hrule width.6em\vfil\hrule}%
5557     \vrule\hfil}}
5558 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5559 \newdimen\versewidth
5560 \newtoks\bidipoem@p@ftn
5561 \def\poem@verse#1{%
5562   \ifdim\wd#1>\new@poem@width
5563   \xdef\new@poem@width{\the\wd#1}%
5564   \ifdim\new@poem@width>\poem@width
5565   \xdef\poem@width{\new@poem@width}%
5566   \global\let\poem@needrun\relax
5567   \fi
5568   \fi
5569   \hbox to\poem@width{\unhbox#1}%
5570   \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5571 }
5572 \def\poem@linebegin{\vadjust{}}\hskip\@flushglue\hskip\poemmargin\skip\relax}
5573 \def\poem@lineend{\nobreak\hskip\poemmargin\skip\hskip\@flushglue\vadjust{}}
5574 \def\poem@lineversesep{%
5575   \nobreak
5576   \hskip\z@ plus 1filll%
5577   \penalty600%
5578   \hskip\poemcolsepskip
5579   \hskip\z@ plus -2filll%
5580   \vadjust{}}%
5581   \nobreak
5582   \hskip\z@ plus 1filll%
5583 }
5584 \def\poem@lineparsebegin{%
5585   \halign\bgroup
5586   \global\setbox\verse@i=\hbox{%
5587     \let\@footnotetext\bidipoem@p@ftntext%
5588     \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5589     \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5590     \let\@xfootnotenext\bidipoem@p@xftntext%
5591     \let\@xfootnote\bidipoem@p@xfootnote%
5592     \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5593     \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5594     \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5595     \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5596     \ignorespaces##\unskip}&&
5597   \global\setbox\verse@ii=\hbox{%
5598     \let\@footnotetext\bidipoem@p@ftntext%
5599     \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5600     \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5601     \let\@xfootnotenext\bidipoem@p@xftntext%

```



```

5602 \let\@xfootnote\bidipoem@p@xfootnote%
5603 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5604 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5605 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5606 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5607 \ignorespaces##\unskip}
5608 \cr
5609 }
5610 \def\poem@lineparseend{%
5611 \crr\egroup
5612 \vskip-\baselineskip
5613 }
5614 \def\traditionalpoem@cr{%
5615 \cr\poem@line
5616 }
5617 \newbox\verse@i
5618 \newbox\verse@ii
5619 \newif\ifpoem@started
5620
5621 \def\poem@line{%
5622 \poem@lineparseend
5623 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5624 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5625 \ifpoem@started
5626 \ifdim\wd\verse@ii>\z@\else
5627 \nopagebreak[3]
5628 \fi
5629 \leavevmode
5630 \poem@linebegin
5631 \poem@verse\verse@i
5632 \ifdim\wd\verse@ii>\z@
5633 \poem@lineversesep
5634 \poem@verse\verse@ii
5635 \fi
5636 \poem@lineend
5637 % \nopagebreak
5638 \par
5639 \vskip\poemextrabaselineskip
5640 \fi
5641 \poem@lineparsebegin
5642 }
5643 \def\@traditionalpoem{%
5644 \stepcounter{poem@no}
5645 \ifnum\max@poem@no<\number\c@poem@no%
5646 \xdef\poem@width{\z@}%
5647 \else
5648 \xdef\poem@width{\poem@prop{poem@width}}%
5649 \fi
5650 \xdef\new@poem@width{\z@}%
5651 \global\versewidth=\poem@width

```



```

5652 \poemskip\par
5653 \begingroup
5654 \tabskip=\z@
5655 \parskip=\z@
5656 \parindent=\z@
5657 \parfillskip=\z@
5658 \rightskip=\z@
5659 \leftskip=\z@
5660 \widowpenalty=10000% No break between verses of the same line.
5661 \clubpenalty=10000% Same as above. Not really needed.
5662 \def\newblock{\hfil\poemblocksep\hfil\null}%
5663 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5664 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
5665 \global\poem@startedfalse
5666 \csname poem@obeylines\endcsname
5667 \let\poem@obeylines\relax
5668 \poem@lineparsebegin
5669 }
5670 \def\@endtraditionalpoem{%
5671 \cr
5672 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5673 \noalign{%
5674 \skip0=\poemextrabaselineskip
5675 \vskip-\skip0
5676 \vskip-\baselineskip
5677 }%
5678 \fi\fi
5679 \poem@lineparseend
5680 \endgroup
5681 \par
5682 \vskip\baselineskip
5683 \poemskip
5684 \if@nparlist \else
5685 \ifdim\lastskip >\z@
5686 \@tempskipa\lastskip \vskip -\lastskip
5687 \advance\@tempskipa\parskip \advance\@tempskipa -\outerparskip
5688 \vskip\@tempskipa
5689 \fi
5690 \@endparenv
5691 \fi
5692 \ifdim\new@poem@width<\poem@width
5693 \global\let\poem@needrun\relax
5694 \fi
5695 \poem@write@aux{\poem@width@romannumeral\c@poem@no}{\new@poem@width}%
5696 \ifx\AtEndDocument\undefined\poem@finish\fi
5697 }
5698
5699
5700 \long\def\bidipoem@p@ftntext#1{%
5701 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@{\@mpfn\endcsname}]}%

```



```

5702 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5703 \long\def\bidipoem@p@LTRftntext#1{%
5704 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
5705 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5706 \long\def\bidipoem@p@RTLftntext#1{%
5707 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
5708 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
5709
5710 \long\def\bidipoem@p@xftntext[#1]#2{%
5711 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}%
5712
5713 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5714 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}%
5715
5716 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
5717 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}%
5718
5719 \def\bidipoem@p@xfootnote[#1]{%
5720 \begingroup
5721 \csname c@\@mpfn\endcsname #1\relax
5722 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5723 \endgroup
5724 \@footnotemark\bidipoem@p@xftntext[#1]}%
5725
5726 \def\bidipoem@p@xLTRfootnote[#1]{%
5727 \begingroup
5728 \csname c@\@mpfn\endcsname #1\relax
5729 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5730 \endgroup
5731 \@footnotemark\bidipoem@p@xLTRftntext[#1]}%
5732
5733 \def\bidipoem@p@xRTLfootnote[#1]{%
5734 \begingroup
5735 \csname c@\@mpfn\endcsname #1\relax
5736 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5737 \endgroup
5738 \@footnotemark\bidipoem@p@xRTLftntext[#1]}%
5739
5740
5741
5742 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
5743 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyl
5744 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
5745 \def\poem@finish{%
5746 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
5747 \ifx\poem@needrun\relax
5748 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
5749 \global\let\poem@needrun\undefined
5750 \fi
5751 }

```




```

5752 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
5753 \newcounter{poem@no}\setcounter{poem@no}{\z@}
5754 \ifx\max@poem@no\undefined
5755     \def\max@poem@no{0}%
5756 \fi
5757 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
5758 \newcommand{\poem@write@aux}[2]{%
5759     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
5760     \@x
5761 }
5762 \def\@modernpoem{%
5763 \par
5764 \begingroup
5765 \parskip=\z@
5766 \parindent=\z@
5767 \def\[{ {\@settab\@tabplus\ignorespaces}%
5768 \def\]{ {\@tabminus\ignorespaces}%
5769 \def\newblock{\poemblocksep}%
5770 \let\newpoem@tabcr\@tabcr
5771 \def\modernpoem@par{% Redefine \par for possible \obeylines
5772     \ifpoem@started\else
5773         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5774             \@stopfield
5775         \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5776         \@contfield
5777     \fi
5778 \fi
5779     \ifpoem@started\newpoem@tabcr\fi}%
5780 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
5781 \global\poem@startedfalse
5782 \csname poem@obeylines\endcsname
5783 \let\poem@obeylines\relax
5784 \begin{tabbing}%
5785 }
5786 \def\@endmodernpoem{%
5787 \global\poem@startedfalse
5788 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5789     \@stopfield
5790 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5791 \@contfield
5792 \fi
5793 \ifpoem@started\else\let\@stopline\@stopfield\fi
5794 \end{tabbing}%
5795 \endgroup
5796 \par
5797 \if@nparlist \else
5798     \ifdim\lastskip >\z@
5799         \@tempskipa\lastskip \vskip -\lastskip
5800         \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5801         \vskip\@tempskipa

```



```

5802     \fi
5803     \@endparenv
5804   \fi
5805 }
5806 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
5807 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\moder
5808 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
5809 \gdef\@startfield{%
5810 \global\setbox\@curfield\hbox\bgroup%
5811 \let\@footnotetext\bidipoem@p@fnttext%
5812 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5813 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5814 \let\@xfootnotenext\bidipoem@p@xftntext%
5815 \let\@xfootnote\bidipoem@p@xfootnote%
5816 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5817 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5818 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5819 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5820 \color@begingroup}
5821 \gdef\@stopfield{%
5822 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
5823 \gdef\@contfield{%
5824 \global\setbox\@curfield\hbox\bgroup%
5825 \let\@footnotetext\bidipoem@p@fnttext%
5826 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5827 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5828 \let\@xfootnotenext\bidipoem@p@xftntext%
5829 \let\@xfootnote\bidipoem@p@xfootnote%
5830 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5831 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5832 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5833 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5834 \color@begingroup\unhbox\@curfield}

```

7.31 boek3-xetex-bidi.def

```

5835 \ProvidesFile{boek3-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek3 class for XeTeX]
5836 \renewenvironment{theindex}{%
5837   \if@twocolumn
5838     \@restonecolfalse
5839   \else
5840     \@restonecoltrue
5841   \fi
5842   \columnseprule \z@
5843   \columnsep 35\p@
5844   \twocolumn[\@makeschapterhead{\indexname}]{%
5845     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
5846   \thispagestyle{plain}\parindent\z@
5847   \parskip\z@ \@plus .3\p@\relax
5848   \let\item\@idxitem

```



```

5849 }{%
5850 \if@restonecol\onecolumn\else\clearpage\fi}
5851 \renewcommand*\head@style{%
5852   \interlinepenalty \@M
5853   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5854   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5855 \renewcommand*\@regtocline[3]{%
5856   \ifnum #1>\c@tocdepth
5857   \else
5858     \vskip\z@\@plus.2\p@
5859     {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
5860      \if@RTL\rightskip\else\leftskip\fi\unitindent
5861      \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5862      \parfillskip\z@
5863      \@tempdima\unitindent
5864      \parindent\z@
5865      \leavevmode
5866      \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5867      \hskip 1em \nobreak{\slshape #3}\par
5868     }%
5869   \fi}
5870 \if@oldtoc
5871 \renewcommand*\l@part[2]{%
5872   \ifnum \c@tocdepth >-2\relax
5873     \addpenalty{-\@highpenalty}%
5874     \addvspace{2.25em \@plus\p@}%
5875     \begingroup
5876       \setlength\@tempdima{3em}%
5877       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5878       \parfillskip -\@pnumwidth
5879       {\leavevmode
5880        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5881        \nobreak
5882        \global\@nobreaktrue
5883        \everypar{\global\@nobreakfalse\everypar{}}%
5884      \endgroup
5885     \fi}
5886 \else
5887 \renewcommand*\l@part{%
5888   \ifnum \c@tocdepth >-2\relax
5889     \addpenalty{-\@highpenalty}%
5890     \addvspace{2.25em \@plus\p@}%
5891     \@regtocline{0}%
5892   \fi}
5893 \fi
5894 \if@oldtoc
5895 \renewcommand*\l@chapter[2]{%
5896   \addpenalty{-\@highpenalty}%
5897   \vskip 1.0em \@plus\p@
5898   \setlength\@tempdima{1.5em}%

```



```

5899 \begingroup
5900 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5901 \parfillskip -\@pnumwidth
5902 \leavevmode \bfseries
5903 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5904 \hskip -\if@RTL\rightskip\else\leftskip\fi
5905 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5906 \penalty\@highpenalty
5907 \endgroup}
5908 \else
5909 \renewcommand*\l@chapter{\@regtocline{0}}
5910 \fi
5911 \renewenvironment{abstract}{%
5912 \titlepage
5913 \null\vfil
5914 \section*{\SectFont \abstractname}
5915 \noindent\ignorespaces}
5916 {\par\vfil\null\endtitlepage}
5917 \renewenvironment{thebibliography}[1]
5918 {\chapter*{\bibname}%
5919 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5920 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5921 \list{\@biblabel{\@arabic\c@enumiv}}%
5922 {\settowidth\labelwidth{\@biblabel{#1}}%
5923 \leftmargin\labelwidth
5924 \advance\leftmargin\labelsep
5925 \openbib@code
5926 \usecounter{enumiv}%
5927 \let\p@enumiv\@empty
5928 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
5929 \sloppy\clubpenalty4000\widowpenalty4000%
5930 \sfcode\.\@m}
5931 {\def\@noitemerr
5932 {\@latex@warning{Empty `thebibliography' environment}}}%
5933 \endlist}
5934 \renewcommand*\left@footnoterule{%
5935 \kern-3\p@
5936 \kern.5\baselineskip
5937 \hrule\@width\unitindent
5938 \kern.4\baselineskip
5939 }
5940 \renewcommand*\right@footnoterule{%
5941 \kern-3\p@
5942 \kern.5\baselineskip
5943 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5944 \kern.4\baselineskip}
5945 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5946 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
5947 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
5948 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}

```



```

5949 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
5950 \renewcommand*\theequation{%
5951   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5952 \renewcommand*\thefigure{%
5953   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
5954 \renewcommand*\thetable{%
5955   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
5956 \renewcommand*\maketitle{%
5957   \begin{titlepage}%
5958     \let\footnotesize\small
5959     \let\right@footnoterule\relax
5960     \let\left@footnoterule\relax
5961     \let\textwidth\footnoterule\relax
5962     \let \footnote \thanks
5963     \long\def\@makefntext##1{\parindent\z@
5964       \def\labelitemi{\textendash}\@revlabeltrue
5965       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5966     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5967     \if@compatibility\setcounter{page}{0}\fi
5968     \null\vfil
5969     \vskip 60\p@
5970     \begin{center}%
5971       \TitleFont
5972       {\LARGE \def\\{\penalty -\@M}
5973         \if@allcaps
5974           \expandafter\uc@nothanks\@title\thanks\relax
5975         \else
5976           \@title
5977         \fi\par}%
5978       \vskip 3em%
5979       {\large
5980         \lineskip .75em \parindent\z@
5981         \begin{tabular}[t]{c}%
5982           \if@allcaps
5983             \expandafter\uc@authornothanks\@author\and\relax
5984           \else
5985             \@author
5986           \fi
5987         \end{tabular}\par}%
5988       \vskip 1.5em%
5989       {\large
5990         \if@allcaps
5991           \uppercase\expandafter{\@date}%
5992         \else
5993           \@date
5994         \fi\par}%
5995       \end{center}\par
5996       \@thanks
5997       \vfil\relax
5998     \end{titlepage}%

```



```

5999 \setcounter{footnote}{0}%
6000 \global\let\thanks\relax
6001 \global\let\maketitle\relax
6002 \global\let\@thanks\@empty
6003 \global\let\@author\@empty
6004 \global\let\@title\@empty
6005 \global\let\@date\@empty
6006 \global\let\ttitle\relax
6007 \global\let\author\relax
6008 \global\let\date\relax
6009 \global\let\and\relax
6010 }

```

7.32 boek-xetex-bidi.def

```

6011 \ProvidesFile{boek-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek class for XeTeX]
6012 \renewenvironment{theindex}{%
6013   \if@twocolumn
6014     \@restonecolfalse
6015   \else
6016     \@restonecoltrue
6017   \fi
6018   \columnseprule \z@
6019   \columnsep 35\p@
6020   \twocolumn[\@makeschapterhead{\indexname}]{%
6021     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6022     \thispagestyle{plain}\parindent\z@
6023     \parskip\z@ \@plus .3\p@\relax
6024     \let\item\@idxitem
6025   }{%
6026     \if@restonecol\onecolumn\else\clearpage\fi}
6027 \renewcommand*\head@style{%
6028   \interlinepenalty \@M
6029   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6030   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6031 \renewcommand*\regtocline[3]{%
6032   \ifnum #1>\c@tocdepth
6033   \else
6034     \vskip\z@\@plus.2\p@
6035     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6036     \if@RTL\rightskip\else\leftskip\fi\unitindent
6037     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6038     \parfillskip\z@
6039     \@tempdima\unitindent
6040     \parindent\z@
6041     \leavevmode
6042     \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6043     \hskip 1em \nobreak{\slshape #3}\par
6044     }%
6045   \fi}

```



```

6046 \if@oldtoc
6047 \renewcommand*\l@part[2]{%
6048   \ifnum \c@tocdepth >-2\relax
6049     \addpenalty{-\@highpenalty}%
6050     \addvspace{2.25em \@plus\p@}%
6051     \begingroup
6052       \setlength\@tempdima{3em}%
6053       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6054       \parfillskip -\@pnumwidth
6055       {\leavevmode
6056         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6057         \nobreak
6058         \global\@nobreaktrue
6059         \everypar{\global\@nobreakfalse\everypar{}}%
6060       \endgroup
6061     \fi}
6062 \else
6063   \renewcommand*\l@part{%
6064     \ifnum \c@tocdepth >-2\relax
6065       \addpenalty{-\@highpenalty}%
6066       \addvspace{2.25em \@plus\p@}%
6067       \@regtocline{0}%
6068     \fi}
6069 \fi
6070 \if@oldtoc
6071 \renewcommand*\l@chapter[2]{%
6072   \addpenalty{-\@highpenalty}%
6073   \vskip 1.0em \@plus\p@
6074   \setlength\@tempdima{1.5em}%
6075   \begingroup
6076   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6077   \parfillskip -\@pnumwidth
6078   \leavevmode \bfseries
6079   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6080   \hskip -\if@RTL\rightskip\else\leftskip\fi
6081   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6082   \penalty\@highpenalty
6083   \endgroup}
6084 \else
6085   \renewcommand*\l@chapter{\@regtocline{0}}
6086 \fi
6087 \renewcommand*\left@footnoterule{%
6088   \kern-3\p@
6089   \kern.5\baselineskip
6090   \hrule\@width\unitindent
6091   \kern.4\baselineskip
6092 }
6093 \renewcommand*\right@footnoterule{%
6094   \kern-3\p@
6095   \kern.5\baselineskip

```



```

6096 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6097 \kern.4\baselineskip}
6098 \renewenvironment{abstract}{%
6099     \titlepage
6100     \null\vfil
6101     \section*{\SectFont \abstractname}
6102     \noindent\ignorespaces}
6103     {\par\vfil\null\endtitlepage}
6104 \renewenvironment{thebibliography}[1]
6105     {\chapter*{\bibname}%
6106     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6107     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
6108     \list{\@biblabel{\@arabic\c@enumiv}}%
6109         {\settowidth\labelwidth{\@biblabel{#1}}%
6110         \leftmargin\labelwidth
6111         \advance\leftmargin\labelsep
6112         \@openbib@code
6113         \usecounter{enumiv}%
6114         \let\p@enumiv\@empty
6115         \renewcommand*{\theenumiv}{\@arabic\c@enumiv}}%
6116     \sloppy\clubpenalty4000\widowpenalty4000%
6117     \sfcode`\.\@m}
6118     {\def\@noitemerr
6119     {\@latex@warning{Empty `thebibliography' environment}}}%
6120     \endlist}
6121 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6122 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6123 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6124 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6125 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6126 \renewcommand*\theequation{%
6127     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6128 \renewcommand*\thefigure{%
6129     \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6130 \renewcommand*\thetable{%
6131     \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6132 \renewcommand*\maketitle{%
6133     \begin{titlepage}%
6134     \let\footnotesize\small
6135     \let\right@footnoterule\relax
6136     \let\left@footnoterule\relax
6137     \let\textwidth@footnoterule\relax
6138     \let \footnote \thanks
6139     \long\def\@makefntext##1{\parindent\z@
6140     \def\labelitemi{\textendash}\@revlabeltrue
6141     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6142     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6143     \ifcompatibility\setcounter{page}{0}\fi
6144     \null\vfil
6145     \vskip 60\p@

```




```

6146 \begin{center}%
6147 \TitleFont
6148 {\LARGE \def\{\{\penalty -\@M}
6149 \if@allcaps
6150 \expandafter\uc@nothanks\@title\thanks\relax
6151 \else
6152 \@title
6153 \fi\par}%
6154 \vskip 3em%
6155 {\large
6156 \lineskip .75em \parindent\z@
6157 \begin{tabular}[t]{c}%
6158 \if@allcaps
6159 \expandafter\uc@authornothanks\@author\and\relax
6160 \else
6161 \@author
6162 \fi
6163 \end{tabular}\par}%
6164 \vskip 1.5em%
6165 {\large
6166 \if@allcaps
6167 \uppercase\expandafter{\@date}%
6168 \else
6169 \@date
6170 \fi\par}%
6171 \end{center}\par
6172 \@thanks
6173 \vfil\null
6174 \end{titlepage}%
6175 \setcounter{footnote}{0}%
6176 \global\let\thanks\relax
6177 \global\let\maketitle\relax
6178 \global\let\@thanks\@empty
6179 \global\let\@author\@empty
6180 \global\let\@title\@empty
6181 \global\let\@date\@empty
6182 \global\let\title\relax
6183 \global\let\author\relax
6184 \global\let\date\relax
6185 \global\let\and\relax
6186 }

```

7.33 bookest-xetex-bidi.def

```

6187 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for
6188 \def\@makechapterhead#1{%
6189 \vspace*{20\p@}
6190 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6191 \ifnum \c@secnumdepth >\m@ne
6192 \if@mainmatter

```



```

6193      {\colorA\huge\scshape \@chapapp\space \thechapter}
6194      \par\nobreak
6195      \vskip 10\p@
6196      \fi
6197      \fi
6198      \interlinepenalty\@M
6199      {\colorB\hrule}
6200      \vskip 15\p@
6201      \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6202      {\colorA\Huge \bfseries #1}\par\nobreak
6203      \if@RTL\end{flushleft}\else\end{flushright}\fi
6204      \vskip 5\p@
6205      {\colorB\hrule}
6206      \vskip 30\p@
6207      }}
6208 \def\@makeschapterhead#1{%
6209   \vspace*{20\p@}
6210   {\parindent \z@ \raggedright \normalfont
6211    {\colorB\hrule}
6212    \vskip 15\p@
6213    \begin{center}
6214      {\colorA\Huge \bfseries #1}\par\nobreak
6215    \end{center}
6216    \vskip 5\p@
6217    {\colorB\hrule}
6218    \vskip 30\p@
6219    }}

```

7.34 book-xetex-bidi.def

```

6220 \ProvidesFile{book-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for standard book class f
6221 \renewenvironment{theindex}
6222     {\if@twocolumn
6223      \@restonecolfalse
6224      \else
6225      \@restonecoltrue
6226      \fi
6227      \columnseprule \z@
6228      \columnsep 35\p@
6229      \twocolumn[\@makeschapterhead{\indexname}]}%
6230      \@mkboth{\MakeUppercase\indexname}%
6231              {\MakeUppercase\indexname}%
6232      \thispagestyle{plain}\parindent\z@
6233      \parskip\z@ \@plus .3\p@\relax
6234      \let\item\@idxitem}
6235      {\if@restonecol\onecolumn\else\clearpage\fi}
6236 \@ifclassloaded{bookest}{-}{%
6237   \if@titlepage
6238   \renewcommand\maketitle{\begin{titlepage}%
6239   \let\footnotesize\small

```



```

6240 \let\right@footnoterule\relax
6241 \let\left@footnoterule\relax
6242 \let\textwidth@footnoterule\relax
6243 \let \footnote \thanks
6244 \let \LTRfootnote \LTRthanks
6245 \let \RTLfootnote \RTLthanks
6246 \null\vfil
6247 \vskip 60\p@
6248 \begin{center}%
6249   {\LARGE \@title \par}%
6250   \vskip 3em%
6251   {\large
6252     \lineskip .75em%
6253     \begin{tabular}[t]{c}%
6254       \@author
6255     \end{tabular}\par}%
6256     \vskip 1.5em%
6257     {\large \@date \par}%           % Set date in \large size.
6258 \end{center}\par
6259 \@thanks
6260 \vfil\null
6261 \end{titlepage}%
6262 \setcounter{footnote}{0}%
6263 \global\let\thanks\relax
6264 \global\let\LTRthanks\relax
6265 \global\let\RTLthanks\relax
6266 \global\let\maketitle\relax
6267 \global\let\@thanks\@empty
6268 \global\let\@author\@empty
6269 \global\let\@date\@empty
6270 \global\let\@title\@empty
6271 \global\let\title\relax
6272 \global\let\author\relax
6273 \global\let\date\relax
6274 \global\let\and\relax
6275 }
6276 \else
6277 \renewcommand\maketitle{\par
6278   \begin{group
6279     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6280     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6281     \long\def\@makefntext##1{\parindent 1em\noindent
6282       \hb@xt@1.8em{%
6283         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6284     \if@twocolumn
6285       \ifnum \col@number=\@ne
6286         \@maketitle
6287       \else
6288         \twocolumn[\@maketitle]%
6289       \fi

```



```

6290 \else
6291 \newpage
6292 \global\let\topnum\z@ % Prevents figures from going at top of page.
6293 \@maketitle
6294 \fi
6295 \thispagestyle{plain}\@thanks
6296 \endgroup
6297 \setcounter{footnote}{0}%
6298 \global\let\thanks\relax
6299 \global\let\LTRthanks\relax
6300 \global\let\RTLthanks\relax
6301 \global\let\maketitle\relax
6302 \global\let\@maketitle\relax
6303 \global\let\@thanks\@empty
6304 \global\let\@author\@empty
6305 \global\let\@date\@empty
6306 \global\let\@title\@empty
6307 \global\let\title\relax
6308 \global\let\author\relax
6309 \global\let\date\relax
6310 \global\let\and\relax
6311 }
6312 \def\@maketitle{%
6313 \newpage
6314 \null
6315 \vskip 2em%
6316 \begin{center}%
6317 \let \footnote \thanks
6318 \let \LTRfootnote \LTRthanks
6319 \let \RTLfootnote \RTLthanks
6320 {\LARGE \@title \par}%
6321 \vskip 1.5em%
6322 {\large
6323 \lineskip .5em%
6324 \begin{tabular}[t]{c}%
6325 \@author
6326 \end{tabular}\par}%
6327 \vskip 1em%
6328 {\large \@date}%
6329 \end{center}%
6330 \par
6331 \vskip 1.5em}
6332 \fi}
6333 \renewcommand*\l@part[2]{%
6334 \ifnum \c@tocdepth >-2\relax
6335 \addpenalty{-\@highpenalty}%
6336 \addvspace{2.25em \@plus\p@}%
6337 \setlength\@tempdima{3em}%
6338 \begin{group}
6339 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

6340 \parfillskip -\@pnumwidth
6341 {\leavevmode
6342 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6343 \nobreak
6344 \global\@nobreaktrue
6345 \everypar{\global\@nobreakfalse\everypar{}}%
6346 \endgroup
6347 \fi}
6348 \renewcommand*\l@chapter[2]{%
6349 \ifnum \c@tocdepth >\m@ne
6350 \addpenalty{-\@highpenalty}%
6351 \vskip 1.0em \@plus\p@
6352 \setlength\@tempdima{1.5em}%
6353 \begingroup
6354 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6355 \parfillskip -\@pnumwidth
6356 \leavevmode \bfseries
6357 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6358 \hskip -\if@RTL\rightskip\else\leftskip\fi
6359 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6360 \penalty\@highpenalty
6361 \endgroup
6362 \fi}
6363 \renewcommand\left@footnoterule{%
6364 \kern-3\p@
6365 \hrule\@width.4\columnwidth
6366 \kern2.6\p@}
6367 \renewcommand\right@footnoterule{%
6368 \kern-3\p@
6369 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6370 \kern2.6\p@}
6371 \renewcommand\theequation
6372 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6373 \renewcommand \thefigure
6374 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6375 \renewcommand \thetable
6376 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6377 \renewcommand \thechapter {\@arabic\c@chapter}
6378 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6379 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6380 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6381 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6382 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6383 \def\@makechapterhead#1{%
6384 \vspace*{50\p@}%
6385 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6386 \ifnum \c@secnumdepth >\m@ne
6387 \if@mainmatter
6388 \huge\bfseries \@chapapp\space \thechapter
6389 \par\nobreak

```



```

6390      \vskip 20\p@
6391      \fi
6392    \fi
6393    \interlinepenalty\@M
6394    \Huge \bfseries #1\par\nobreak
6395    \vskip 40\p@
6396  }}
6397 \def\@makeschapterhead#1{%
6398   \vspace*{50\p@}%
6399   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6400    \normalfont
6401    \interlinepenalty\@M
6402    \Huge \bfseries #1\par\nobreak
6403    \vskip 40\p@
6404   }}
6405 \renewcommand\backmatter{%
6406   \if@openright
6407     \cleardoublepage
6408   \else
6409     \clearpage
6410   \fi
6411   \@mainmatterfalse}
6412 \renewenvironment{thebibliography}[1]
6413   {\chapter*{\bibname}%
6414    \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6415    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6416    \list{\@biblabel{\@arabic\c@enumiv}}%
6417      {\settowidth\labelwidth{\@biblabel{#1}}%
6418       \leftmargin\labelwidth
6419       \advance\leftmargin\labelsep
6420       \@openbib@code
6421       \usecounter{enumiv}%
6422       \let\p@enumiv\@empty
6423       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6424   \sloppy
6425   \clubpenalty4000
6426   \@clubpenalty \clubpenalty
6427   \widowpenalty4000%
6428   \sfcode`\.\@m}
6429 {\def\@noitemerr
6430   {\@latex@warning{Empty `thebibliography' environment}}}%
6431   \endlist}

```

7.35 breqn-xetex-bidi.def

```

6432 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for Xe
6433 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6434   \everydisplay\expandafter{\the\everydisplay \display@setup}%
6435   \if@noskipsec \leavevmode \fi
6436   \if@inlabel \leavevmode \global\@inlabelfalse \fi

```



```

6437 \if\eq@group\else\eq@prelim\fi
6438 \setkeys{breqn}{#1}%
6439 \the\eqstyle
6440 \eq@setnumber
6441 \begingroup
6442 \eq@setup@a
6443 \eq@startup
6444 }
6445 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
6446 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6447 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6448 \global\let\GRP@label\@empty
6449 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6450 \global\grp@linewidth\z@\global\grp@wdNum\z@
6451 \global\let\grp@eqs@numbered\@False
6452 \global\let\grp@aligned\@True
6453 \global\let\grp@shiftnumber\@False
6454 \eq@prelim
6455 \setkeys{breqn}{#1}%
6456 \if\grp@hasNumber \grp@setnumber \fi
6457 }
6458 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6459 \let\display@setup\dseries@display@setup
6460 % Question: should this be the default for dseries???
6461 \global\eq@wdCond\z@
6462 \@dmath[layout={M},#1]%
6463 \mathsurround\z@\@math \penalty\@Mi
6464 \let\endmath\ends@math
6465 \def\premath{%
6466 \ifdim\lastskip<.3em \unskip
6467 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6468 }%
6469 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6470 \ignorespaces
6471 }
6472 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@italiccorr)\if@nonlatin\endR\fi}
6473 \renewenvironment{dsuspend}{%
6474 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
6475 \parshape 1 \displayindent \displaywidth\relax
6476 \hsize=\columnwidth \noindent\ignorespaces
6477 }{%
6478 \par\egroup
6479 \global\setbox\GRP@box\vbox{%
6480 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
6481 \unvbox\GRP@box
6482 }%
6483 \global\GRP@queue\exp{\the\GRP@queue
6484 \@elt{\let\eq@isIntertext\@True}%
6485 }%
6486 }

```



7.36 cals-xetex-bidi.def

```
6487 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
6488 \renewcommand\cals@setup@alignment[1]{%
6489 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
6490 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
6491 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
6492 }
6493 \renewcommand\cals@table@alignment{\ifRTLtab r\else l\fi}
6494 \renewenvironment{calstable}[1][\cals@table@alignment]{%
6495 \ifRTLtab\cals@activate@rtl\fi
6496 \let\cals@thead@tokens=\relax
6497 \let\cals@tfoot@tokens=\relax
6498 \let\cals@tbody@tokens=\relax
6499 \cals@tfoot@height=0pt \relax
6500 \let\cals@last@context=n%
6501 \let\cals@current@context=b%
6502 \parindent=0pt \relax%
6503 \cals@setup@alignment{#1}%
6504 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
6505 %% Alignment inside is independent on center/flushright outside
6506 \parfillskip=0pt plusfil\relax
6507 \let\cals@borderL=\relax
6508 \let\cals@borderR=\relax
6509 \let\cals@borderT=\relax
6510 \let\cals@borderB=\relax
6511 \setbox\cals@backup@row=\box\voidb@x\relax
6512 \cals@AtBeginTable
6513 }{% End of the table
6514 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
6515 \renewcommand\alignL{%
6516 \ifRTLtab
6517 \cals@vfillAdd\cals@paddingL
6518 \else
6519 \cals@vfillDrop\cals@paddingL
6520 \fi
6521 \cals@vfillDrop\cals@paddingR}
6522 \renewcommand\alignR{%
6523 \ifRTLtab
6524 \cals@vfillDrop\cals@paddingL
6525 \else
6526 \cals@vfillAdd\cals@paddingL
6527 \fi
6528 \cals@vfillDrop\cals@paddingR}
```

7.37 caption-xetex-bidi.def

```
6529 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for XeTeX]
6530 \let\@makecaption\caption@makecaption
```



7.38 caption3-xetex-bidi.def

```
6531 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package
6532 \renewcommand*\caption@par{%
6533   \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%
```

7.39 colortbl-xetex-bidi.def

```
6534 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package
6535 \def\CT@setup{%
6536   \@tempdima\col@sep
6537   \@tempdimc\col@sep
6538   \def\CT@color{%
6539     \global\let\CT@do@color\CT@@do@color
6540     \bidicolor}}
6541 \def\@classz{\@classx
6542   \@tempcnta \count@
6543   \prepnext@tok
6544   \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6545   \@addtopreamble{\if@RTLtab\beginL\fi%
6546     \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6547     \ifcase \@chnum
6548       \hskip\stretch{.5}\kern\z@
6549       \dollarbegin
6550       \insert@column
6551       \dollarend\hskip\stretch{.5}\or
6552       \dollarbegin \insert@column \dollarend \hfill \or
6553       \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
6554       $\vcenter
6555       \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6556       \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6557       \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6558       \fi
6559       \if@RTLtab\endR\fi\egroup\egroup
6560   \begingroup
6561     \CT@setup
6562     \CT@column@color
6563     \CT@row@color
6564     \CT@cell@color
6565     \CT@do@color
6566   \endgroup
6567     \@tempdima\ht\z@
6568     \advance\@tempdima\minrowclearance
6569     \vrule\@height\@tempdima\@width\z@
6570     \unhbox\z@\if@RTLtab\endL\fi}%
6571   \prepnext@tok}
```

7.40 color-xetex-bidi.def

```
6572 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe
6573 \long\def\color@b@x#1#2#3{%
6574   \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
```



```

6575 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6576 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6577 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6578 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
6579 \box\z@}}\ifmode\else\if@RTL\endL\fi\fi}
6580 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6581 \DeclareRobustCommand\color{%
6582 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor}
6583 \def\@declaredcolor#1{%
6584 \@ifundefined{\string\color @#1}%
6585 {\c@lor@error{`#1'}}%
6586 {\expandafter\let\expandafter\current@color
6587 \csname\string\color @#1\endcsname
6588 \set@color}%
6589 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6590 \def\@undeclaredcolor[#1]#2{%
6591 \@ifundefined{color@#1}%
6592 {\c@lor@error{model `#1'}}%
6593 {\csname color@#1\endcsname\current@color{#2}%
6594 \set@color}%
6595 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6596 \DeclareRobustCommand\bidicolor{%
6597 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
6598 \def\@bidiundeclaredcolor[#1]#2{%
6599 \@ifundefined{color@#1}%
6600 {\c@lor@error{model `#1'}}%
6601 {\csname color@#1\endcsname\current@color{#2}%
6602 \set@color}%
6603 \ignorespaces}
6604 \def\@bidideclaredcolor#1{%
6605 \@ifundefined{\string\color @#1}%
6606 {\c@lor@error{`#1'}}%
6607 {\expandafter\let\expandafter\current@color
6608 \csname\string\color @#1\endcsname
6609 \set@color}%
6610 \ignorespaces}
6611 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6612 \def\color@fbbox#1#2#3{%
6613 \color@b@x{\fbboxsep\z@\bidicolor#1{#2}\fbbox}{\bidicolor#1{#3}}}
6614 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.41 combine-xetex-bidi.def

```

6615 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for
6616 \renewcommand{\c@ll@chapsecii}[2]{%
6617 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6618 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6619 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6620 }
6621 \renewcommand{\c@ll@chapseci}{%

```



```

6622 \setlength\@tempdima{0em}%
6623 \begingroup
6624 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6625 \parfillskip -\@pnumwidth
6626 \leavevmode
6627 }
6628 \renewenvironment{tocindent}[1]{%
6629 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

7.42 crop-xetex-bidi.def

```

6630 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
6631 \renewcommand*\CROP@ulc{%
6632 \if@RTLmain%
6633 \begin{picture}(0,0)
6634 \unitlength\p@\thinlines
6635 \put(-40,0){\circle{10}}
6636 \put(-30,-5){\line(0,1){10}}
6637 \put(-35,0){\line(1,0){30}}
6638 \put(-10,30){\circle{10}}
6639 \put(-5,30){\line(1,0){10}}
6640 \put(0,35){\line(0,-1){30}}
6641 \end{picture}%
6642 \else%
6643 \begin{picture}(0,0)
6644 \unitlength\p@\thinlines
6645 \put(-30,0){\circle{10}}
6646 \put(-30,-5){\line(0,1){10}}
6647 \put(-35,0){\line(1,0){30}}
6648 \put(0,30){\circle{10}}
6649 \put(-5,30){\line(1,0){10}}
6650 \put(0,35){\line(0,-1){30}}
6651 \end{picture}%
6652 \fi%
6653 }
6654 \renewcommand*\CROP@urc{%
6655 \if@RTLmain%
6656 \begin{picture}(0,0)
6657 \unitlength\p@\thinlines
6658 \put(20,0){\circle{10}}
6659 \put(30,-5){\line(0,1){10}}
6660 \put(35,0){\line(-1,0){30}}
6661 \put(-10,30){\circle{10}}
6662 \put(-5,30){\line(1,0){10}}
6663 \put(0,35){\line(0,-1){30}}
6664 \end{picture}%
6665 \else%
6666 \begin{picture}(0,0)
6667 \unitlength\p@\thinlines
6668 \put(30,0){\circle{10}}

```



```

6669      \put(30,-5){\line(0,1){10}}
6670      \put(35,0){\line(-1,0){30}}
6671      \put(0,30){\circle{10}}
6672      \put(-5,30){\line(1,0){10}}
6673      \put(0,35){\line(0,-1){30}}
6674      \end{picture}%
6675      \fi%
6676 }
6677 \renewcommand*\CROP@@llc{%
6678   \if@RTLmain%
6679     \begin{picture}(0,0)
6680       \unitlength\p@\thinline
6681       \put(-40,0){\circle{10}}
6682       \put(-30,-5){\line(0,1){10}}
6683       \put(-35,0){\line(1,0){30}}
6684       \put(-10,-30){\circle{10}}
6685       \put(-5,-30){\line(1,0){10}}
6686       \put(0,-35){\line(0,1){30}}
6687     \end{picture}%
6688   \else%
6689     \begin{picture}(0,0)
6690       \unitlength\p@\thinline
6691       \put(-30,0){\circle{10}}
6692       \put(-30,-5){\line(0,1){10}}
6693       \put(-35,0){\line(1,0){30}}
6694       \put(0,-30){\circle{10}}
6695       \put(-5,-30){\line(1,0){10}}
6696       \put(0,-35){\line(0,1){30}}
6697     \end{picture}%
6698     \fi%
6699 }
6700 \renewcommand*\CROP@@lrc{%
6701   \if@RTLmain%
6702     \begin{picture}(0,0)
6703       \unitlength\p@\thinline
6704       \put(20,0){\circle{10}}
6705       \put(30,-5){\line(0,1){10}}
6706       \put(35,0){\line(-1,0){30}}
6707       \put(-10,-30){\circle{10}}
6708       \put(-5,-30){\line(1,0){10}}
6709       \put(0,-35){\line(0,1){30}}
6710     \end{picture}%
6711   \else%
6712     \begin{picture}(0,0)
6713       \unitlength\p@\thinline
6714       \put(30,0){\circle{10}}
6715       \put(30,-5){\line(0,1){10}}
6716       \put(35,0){\line(-1,0){30}}
6717       \put(0,-30){\circle{10}}
6718       \put(-5,-30){\line(1,0){10}}

```



```

6719         \put(0,-35){\line(0,1){30}}
6720     \end{picture}%
6721     \fi%
6722 }
6723 \@ifpackagewith{crop}{cam}{%
6724 \CROP@execopt{cam}%
6725 }{}

```

7.43 cutwin-xetex-bidi.def

```

6726 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
6727 \renewcommand*{\c@twcompctr}[2]{%
6728   \def\c@twfirst{1}
6729   \loop\advance\c@twwinlines\m@ne
6730   \setbox\c@twslicea=\vsplit#1 to\baselineskip
6731   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
6732   \c@twprune{\c@twslicea}{\c@twlftside}%
6733   \c@twprune{\c@twsliceb}{\c@twrtside}%
6734   \ifnum\c@twfirst=\@ne
6735     \setbox#2=\vbox{\unvbox#2\hbox
6736       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
6737     \else
6738       \setbox#2=\vbox{\unvbox#2\hbox
6739       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\bo
6740     \fi
6741   \def\c@twfirst{2}
6742   \ifnum\c@twwinlines>\z@\repeat}
6743 \renewcommand*{\c@twcompodctr}[2]{%
6744   \def\c@twrounds{1}
6745   \def\c@twfirst{1}
6746   \@for\c@twlspec:=\c@twb\do{%
6747     \ifnum\c@twrounds=1
6748       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
6749       \c@twprune{\c@twslicea}{\c@twlspec}%
6750       \def\c@twrounds{2}
6751     \else
6752       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
6753       \c@twprune{\c@twsliceb}{\c@twlspec}%
6754       \ifnum\c@twfirst=1
6755         \setbox#2=\vbox{\unvbox#2\hbox
6756         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\b
6757       \def\c@twfirst{2}
6758     \else
6759       \setbox#2=\vbox{\unvbox#2\hbox
6760       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\els
6761     \fi
6762     \def\c@twrounds{1}
6763   \fi}}

```

7.44 cuted-xetex-bidi.def



```

6764 \ProvidesFile{cuted-xetex-bidi.def}[2017/05/06 v0.6 bidi adaptations for cuted package for Xe
6765
6766 \def\RTL@outputdblcol{%
6767   \if@firstcolumn
6768     \global\@firstcolumnfalse
6769     \global\setbox\@leftcolumn\copy\@outputbox
6770     \splitmaxdepth\maxdimen
6771     \vbadness\maxdimen
6772     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
6773     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
6774     \toks@\expandafter{\topmark}%
6775     \xdef\@firstcoltopmark{\the\toks@}%
6776     \toks@\expandafter{\splitfirstmark}%
6777     \xdef\@firstcolfirstmark{\the\toks@}%
6778     \ifx\@firstcolfirstmark\@empty
6779       \global\let\@setmarks\relax
6780     \else
6781       \gdef\@setmarks{%
6782         \let\firstmark\@firstcolfirstmark
6783         \let\topmark\@firstcoltopmark}%
6784     \fi
6785   \else
6786     \global\@firstcolumntrue
6787     \setbox\@outputbox\vbox{%
6788       \hb@xt@\textwidth{%
6789         \hskip \columnwidth
6790         \hfil
6791         {\normalcolor\vrule \@width\columnseprule}%
6792         \hfil
6793         \hb@xt@\columnwidth{%
6794           \bidi@firstcolumn@status@write%
6795           \box\@leftcolumn \hss}%
6796         \hskip -\textwidth
6797         \hb@xt@\columnwidth{%
6798           \bidi@lastcolumn@status@write%
6799           \box\@outputbox \hss}%
6800         \hskip \columnsep
6801         \hskip \columnwidth }}%
6802     \ifvoid\hold@viper
6803     \else
6804       \setbox\@outputbox \vbox to\textheight{%
6805         \box\hold@viper
6806         \box\@outputbox
6807         \vss
6808       }%
6809     \fi
6810   \@combinedblfloats
6811   \@setmarks
6812   \@outputpage
6813   \begingroup

```



```

6814 \@dblfloatplacement
6815 \@startdblcolumn
6816 \@whiles\if@fcolmade \fi{\@outputpage
6817 \@startdblcolumn}%
6818 \ifvoid\@viper
6819 \else
6820 \global\setbox\@viper\vbox{%
6821 \vskip-\stripsep
6822 \unvbox\@viper
6823 }%
6824 \@viperoutput
6825 \fi
6826 \endgroup
6827 \fi}%
6828
6829 \def\LTR@outputdblcol{%
6830 \if@firstcolumn
6831 \global\@firstcolumnfalse
6832 \global\setbox\@leftcolumn\copy\@outputbox
6833 \splitmaxdepth\maxdimen
6834 \vbadness\maxdimen
6835 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
6836 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
6837 \toks@\expandafter{\topmark}%
6838 \xdef\@firstcoltopmark{\the\toks@}%
6839 \toks@\expandafter{\splitfirstmark}%
6840 \xdef\@firstcolfirstmark{\the\toks@}%
6841 \ifx\@firstcolfirstmark\@empty
6842 \global\let\@setmarks\relax
6843 \else
6844 \gdef\@setmarks{%
6845 \let\firstmark\@firstcolfirstmark
6846 \let\topmark\@firstcoltopmark}%
6847 \fi
6848 \else
6849 \global\@firstcolumntrue
6850 \setbox\@outputbox\vbox{%
6851 \hb@xt@\textwidth{%
6852 \hb@xt@\columnwidth{%
6853 \bidi@firstcolumn@status@write%
6854 \box\@leftcolumn \hss}%
6855 \hfil
6856 {\normalcolor\vrule \@width\columnseprule}%
6857 \hfil
6858 \hb@xt@\columnwidth{%
6859 \bidi@lastcolumn@status@write%
6860 \box\@outputbox \hss}}}%
6861 \ifvoid\hold@viper
6862 \else
6863 \setbox\@outputbox \vbox to\textheight{%

```



```

6864             \box\hold@viper
6865             \box\@outputbox
6866             \vss
6867         }%
6868     \fi
6869 \@combinedblfloats
6870     \@setmarks
6871     \@outputpage
6872     \beginngroup
6873         \@dblfloatplacement
6874         \@startdblcolumn
6875         \@whiles\if@fcolmade \fi{\@outputpage
6876         \@startdblcolumn}%
6877         \ifvoid\@viper
6878         \else
6879             \global\setbox\@viper\vbox{%
6880                 \vskip-\stripsep
6881                 \unvbox\@viper
6882             }%
6883         \@viperoutput
6884     \fi
6885 \endgroup
6886 \fi}%
6887
6888
6889 \def \@addviper {%
6890     \if@firstcolumn
6891         \@insertfalse
6892         \@reqcolroom .5\@pageht
6893         \ht@viper\@reqcolroom
6894         \advance \@reqcolroom \ht\@viper
6895         \advance \@reqcolroom \stripsep
6896         \ifvoid\hold@viper\@tempdima=z@\else\@tempdima\ht\hold@viper\fi
6897     %%
6898     \@tempdimb \ht@viper
6899     \loop
6900     \setbox\v@aaa\copy\@holdpg
6901     \setbox\v@ccc\vbox to\@tempdimb{%
6902         \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
6903     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6904     \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
6905     \loop
6906     \setbox\v@aaa\copy\@holdpg
6907     \setbox\v@ccc\vbox to\@tempdimb{%
6908         \vsplit\v@aaa to\@tempdimb\vss}%
6909     \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
6910     \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb\the\ht\v@aaa \repeat
6911     \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
6912     \setbox\v@ccc\vbox to\@tempdimb{%
6913         \vsplit\@holdpg to\@tempdimb\vss}%

```




```

6914 %%
6915 \setbox\@tempboxa \vbox {%
6916     \hb@xt@\textwidth {%
6917         \ifRTLmain%
6918             \hskip \columnwidth
6919             \hfil \vrule width\columnseprule \hfil
6920             \hb@xt@\columnwidth {%
6921                 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6922             \hskip -\textwidth
6923             \hb@xt@\columnwidth {%
6924                 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6925             \hskip \columnsep
6926             \hskip \columnwidth
6927         \else%
6928             \hb@xt@\columnwidth {%
6929                 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6930             \hfil
6931             \vrule \@width\columnseprule
6932             \hfil
6933             \hb@xt@\columnwidth {%
6934                 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6935             \fi}%
6936     }%
6937 \ifvoid\hold@viper
6938     \global\setbox\hold@viper \vbox {%
6939         \unvbox\@tempboxa
6940         \penalty\interlinepenalty
6941         \vskip\stripsep
6942         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6943         \outputpenalty \z@
6944     }%
6945 \else
6946     \global\setbox\hold@viper \vbox {%
6947         \unvbox\hold@viper
6948         \unvbox\@tempboxa
6949         \penalty\interlinepenalty
6950         \vskip\stripsep
6951         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6952         \outputpenalty \z@
6953     }%
6954 \fi
6955 \ifdim \@colroom>\@reqcolroom
6956     \global\setbox\hold@viper \vbox {%
6957         \unvbox\hold@viper
6958         \box\@viper
6959         \penalty\interlinepenalty
6960         \vskip\stripsep
6961         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6962         \outputpenalty \z@
6963     }%

```



```

6964      \@inserttrue
6965      \advance\@tempdima by-\ht\hold@viper
6966      \global \advance \@colht \@tempdima
6967      \ifdim \@colht<2.5\baselineskip
6968          \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6969              too tall on page \thepage (1 stulpelis)}%
6970          \@emptycol
6971          \if@firstcolumn
6972              \else
6973                  \@emptycol
6974              \fi
6975          \global\@lastvipertrue
6976      \else
6977          \global \vsize \@colht
6978          \global \@colroom \@colht
6979          \check@floats
6980          \ifdim\@tempdima>\z@
6981              \global\advance\@colroom by-\@tempdima
6982          \fi
6983          \ifdim\@colroom<\z@
6984              \global\@colroom 1pt
6985              \ifdim\@tempdima>\@colht
6986                  \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6987                      netelpa lape \thepage (1 stulpelis)}%
6988              \fi
6989              \@emptycol
6990              \if@firstcolumn
6991                  \else
6992                      \@emptycol
6993                  \fi
6994              \global\@lastvipertrue
6995          \fi
6996      \fi
6997      \fi
6998      \else
6999          \@insertfalse
7000          \@reqcolroom\@colht
7001          \advance\@reqcolroom \@pageht
7002          \ht@viper.5\@reqcolroom
7003          \@reqcolroom\ht@viper
7004          \advance \@reqcolroom \ht\@viper
7005          \advance \@reqcolroom \stripsep
7006          \if@flushend@auto@baselineskip
7007              \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
7008                  \global\lastskip@d\lastskip
7009                  \global\lastskip@b\lastskip
7010              \loop
7011                  \global\lastskip@a\lastskip@b
7012                  \unskip\unpenalty
7013                  \global\lastskip@b\lastskip

```



```

7014         \global\advance\lastskip@d by\lastskip
7015     \ifdim\lastskip@b=-\lastskip@a
7016         \global\advance\lastskip@d by-\lastskip
7017     \else
7018     \repeat
7019     \ifdim\lastskip@b=-\lastskip@a
7020         \ifdim\lastskip@b=\z@
7021             \setbox\lastbox@a\lastbox
7022             \global\advance\lastskip@d by\ht\lastbox@a
7023             \global\advance\lastskip@d by\lastskip
7024             \unskip\unpenalty
7025             \setbox\lastbox@a\lastbox
7026             \global\advance\lastskip@d by\dp\lastbox@a
7027         \else
7028             \global\lastskip@d\lastskip
7029             \global\advance\lastskip@d by\topskip
7030         \fi
7031     \fi
7032     \global\advance\lastskip@d by-\topskip
7033     }%
7034 \ifdim\ht\@holdpg>\@colht
7035     \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
7036     \par\eject
7037     \vbox to \@colht{\unvbox\@holdpg\unskip}}%
7038     }%
7039 \else
7040     \global\setbox\@holdpg\vbox{%
7041         \unvbox\@leftcolumn\unskip\unpenalty
7042         \vskip\lastskip@d
7043         \the\At@ViperColsBreak
7044         \unvbox\@holdpg
7045         \unskip
7046     }%
7047     \fi
7048 \else
7049     \global\setbox\@holdpg\vbox{%
7050         \unvbox\@leftcolumn
7051         \setbox\@tempboxa\lastbox
7052         \on@stripcols@break
7053         \the\At@ViperColsBreak
7054         \unvbox\@holdpg
7055     }%
7056     \fi
7057     \global\At@ViperColsBreak{}%
7058     \ht@viper .5\ht\@holdpg
7059     \ifdim \ht@viper>\@colht
7060         \ht@viper \@colht
7061     \fi
7062     \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7063 }%

```



```

7064 \@tempdimb \ht@viper
7065 \loop
7066 \setbox\v@aaa\copy\@holdpg
7067 \setbox\v@ccc\vbox to\@tempdimb{%
7068 \vsplit\v@aaa to\@tempdimb
7069 \vss
7070 \vsplit\v@aaa to\@tempdimb
7071 }%
7072 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7073 \ifvoid\v@aaa
7074 \else
7075 \advance\@tempdimb 1\p@
7076 \repeat
7077 \loop
7078 \setbox\v@aaa\copy\@holdpg
7079 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7080 \wlog{(2)Left:\the\ht\v@ccc\space
7081 Right:\the\ht\v@aaa\space
7082 Output:\the\@tempdimb
7083 }%
7084 \ifdim\ht\v@ccc<\ht\v@aaa
7085 \@tempdimb \the\ht\v@aaa
7086 \repeat
7087 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
7088 ^^JRight:\the\ht\v@aaa
7089 ^^JOutput:\the\@tempdimb
7090 }%
7091 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
7092 \setbox\@tempboxa\vbox{%
7093 \hb@xt@\textwidth {%
7094 \ifRTLmain%
7095 \hskip \columnwidth
7096 \hfil \vrule width\columnseprule \hfil
7097 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7098 \hskip -\textwidth
7099 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7100 \hskip \columnsep
7101 \hskip \columnwidth
7102 \else
7103 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7104 \hfil
7105 \vrule \@width\columnseprule
7106 \hfil
7107 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7108 \fi%
7109 }%
7110 }%
7111 \ifvoid\hold@viper
7112 \global\setbox\hold@viper \vbox {%
7113 \unvbox\@tempboxa

```



```

7114         \penalty\interlinepenalty
7115         \vskip\stripsep
7116         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7117         \outputpenalty \z@
7118         }%
7119     \else
7120         \global\setbox\hold@viper \vbox {%
7121             \unvbox\hold@viper
7122             \unvbox\@tempboxa
7123             \penalty\interlinepenalty
7124             \vskip\stripsep
7125             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7126             \outputpenalty \z@
7127             }%
7128     \fi
7129     \ifdim \@colht>\@reqcolroom
7130         \global\setbox\hold@viper \vbox {%
7131             \unvbox\hold@viper
7132             \box\@viper
7133             \penalty\interlinepenalty
7134             \vskip\stripsep
7135             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7136             \outputpenalty \z@
7137             }%
7138     \@inserttrue
7139     \global\@firstcolumntrue
7140     \advance\@tempdima by-\ht\hold@viper
7141     \global \advance \@colht \@tempdima
7142     \ifdim \@colht<2.5\baselineskip
7143         \latex@warning@no@line {Optional argument of \noexpand\twocolumn
7144             too tall on page \thepage (2 stulpelis)}%
7145         \emptycol
7146         \if@firstcolumn
7147         \else
7148             \emptycol
7149         \fi
7150         \global\@lastvipertrue
7151     \else
7152         \global \vsize \@colht
7153         \global \@colroom \@colht
7154         \check@floats
7155         \ifdim\@tempdima>\z@
7156             \global\advance\@colroom by-\@tempdima
7157         \fi
7158         \ifdim\@colroom<\z@
7159             \global\@colroom 1pt
7160             \ifdim\@tempdima>\@colht
7161                 \latex@warning@no@line {TOP ir/ar BOT FLOAT's
7162                     netelpa lape \thepage (2 stulpelis)}%
7163             \fi

```



```

7164             \@emptycol
7165             \if@firstcolumn
7166             \else
7167                 \@emptycol
7168             \fi
7169             \global\@lastvipertrue
7170         \fi
7171     \fi
7172 \fi
7173 \fi
7174 \if@insert
7175 \else
7176     \advance\@tempdima by-\ht\hold@viper
7177     \global \advance \@colht \@tempdima
7178     \global\setbox\hold@viper \vbox {%
7179                                     \unvbox\hold@viper
7180                                     \csname viper@top@hook\endcsname
7181                                     \vsplit\@viper to \@colht
7182                                     \vss
7183                                     }%
7184     \vbox{}%
7185     \global\@firstcolumnfalse
7186     \newpage
7187 \fi
7188 }

```

7.45 cvthemebidicasual.sty

```

7189 \NeedsTeXFormat{LaTeX2e}
7190 \ProvidesPackage{cvthemebidicasual}
7191 \DeclareOption{blue}{}
7192 \newif\if@colourorange\@colourorangefalse
7193 \DeclareOption{orange}{\@colourorangetrue}
7194 \newif\if@colourgreen\@colourgreenfalse
7195 \DeclareOption{green}{\@colourgreentrue}
7196 \newif\if@colourred\@colourredfalse
7197 \DeclareOption{red}{\@colourredtrue}
7198 \newif\if@colourgrey\@colourgreyfalse
7199 \DeclareOption{grey}{\@colourgreytrue}
7200 \DeclareOption*{
7201     \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
7202 \ExecuteOptions{colour}
7203 \ProcessOptions\relax
7204 \renewcommand*{\listitemsymbol}{\textbullet}
7205 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7206 \familynamecolour{808080}
7207 \firstnamecolour{A9A9A9}
7208 \quotecolour{696969}
7209 \addresscolour{696969}
7210 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}

```



```

7211 \sectiontitlecolour{1E90FF}
7212 \subsectioncolour{4682B4}
7213 \definecolor{rulecolour}{gray}{0.6}
7214 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7215 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7216 \if@colourorange
7217   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7218   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7219   \sectiontitlecolour{FF8C00}
7220   \subsectioncolour{FF8C00}
7221   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7222   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7223 \if@colourgreen
7224   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7225   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7226   \sectiontitlecolour{008000}
7227   \subsectioncolour{008000}
7228   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7229   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7230 \if@coloured
7231   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7232   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7233   \sectiontitlecolour{FF0000}
7234   \subsectioncolour{FF0000}
7235   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7236   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7237 \if@colourgrey
7238   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7239   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7240   \sectiontitlecolour{808080}
7241   \subsectioncolour{808080}
7242   \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7243   \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7244 \renewcommand*{\ttdefault}{pcr}
7245 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7246 \renewcommand*{\familynamefont}{\firstnamefont}
7247 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7248 \renewcommand*{\quoteontext}{\large\slshape}
7249 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7250 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7251 \renewcommand*{\maketitle}{%
7252   {%
7253     \ifthenelse{\isundefined{\@photo}}{%
7254       {}%
7255       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}}%
7256     \hfill%
7257     \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\ll[-.35em]}%
7258     {\color{firstnamecolor}\rule{\textwidth}{.25ex}\ll[2.5em]}%
7259     \ifthenelse{\isundefined{\@quote}}{%
7260       {}%

```



```

7261     {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[\[
7262   }%
7263   \newif\if@firstfooterelement\@firstfooterelementtrue
7264   \providecommand*\footersymbol{}
7265   \renewcommand*\footersymbol{%
7266     \if@firstfooterelement%
7267     \else%
7268     { ~\color{footersymbolcolor}\textbullet~~}\fi}
7269   \providecommand*\makefooter{}
7270   \renewcommand*\makefooter{%
7271     \fancypagestyle{plain}{%
7272       \fancyfoot[c]{%
7273         \parbox{0.8\textwidth}{%
7274           \centering%
7275           \addressfont\@addresscolour%
7276           \ifthenelse{\isundefined{\@address}}{}{%
7277             \addresssymbol~\@address\\%
7278             \@firstfooterelementfalse}%
7279           \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7280           \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7281           \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7282           \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
7283           \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
7284         }%
7285       \pagestyle{plain}}
7286   \AtBeginDocument{\makefooter}

```

7.46 cvthemebidiclassic.sty

```

7287 \NeedsTeXFormat{LaTeX2e}
7288 \ProvidesPackage{cvthemebidiclassic}
7289 \DeclareOption{blue}{}
7290 \newif\if@colourorange\@colourorangefalse
7291 \DeclareOption{orange}{\@colourorangetrue}
7292 \newif\if@colourgreen\@colourgreenfalse
7293 \DeclareOption{green}{\@colourgreentrue}
7294 \newif\if@colourred\@colourredfalse
7295 \DeclareOption{red}{\@colourredtrue}
7296 \newif\if@colourgrey\@colourgreyfalse
7297 \DeclareOption{grey}{\@colourgreytrue}
7298 \DeclareOption*{
7299   \PackageWarning{cvthemebidiclassic}{Unknown option '\CurrentOption'}}
7300 \ExecuteOptions{colour}
7301 \ProcessOptions\relax
7302 \renewcommand*\listitemsymbol{\textbullet}
7303 \firstnamecolour{}
7304 \familynamecolour{}
7305 \titlecolour{808080}
7306 \quotecolour{696969}
7307 \addresscolour{696969}

```




```

7308 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7309 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7310 \sectiontitlecolour{1E90FF}
7311 \subsectioncolour{4682B4}
7312 \if@colourorange
7313   \addresscolour{FF8C00}
7314   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7315   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7316   \sectiontitlecolour{FF8C00}
7317   \subsectioncolour{FF8C00}\fi
7318 \if@colourgreen
7319   \addresscolour{008000}
7320   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7321   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7322   \sectiontitlecolour{008000}
7323   \subsectioncolour{008000}\fi
7324 \if@colourred
7325   \addresscolour{FF0000}
7326   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7327   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7328   \sectiontitlecolour{FF0000}
7329   \subsectioncolour{FF0000}\fi
7330 \if@colourgrey
7331   \addresscolour{808080}
7332   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7333   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7334   \sectiontitlecolour{808080}
7335   \subsectioncolour{808080}\fi
7336 \renewcommand*{\ttdefault}{pcr}
7337 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7338 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7339 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7340 \renewcommand*{\familynamefont}{\firstnamefont}
7341 \renewcommand*{\quoteont}{\large\slshape}
7342 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7343 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7344 \newlength{\maketitlemaxwidth}
7345 \setlength{\maketitlemaxwidth}{.525\textwidth}
7346 \newlength{\maketitlefullwidth}
7347 \settowidth{\maketitlefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
7348 \newlength{\maketitlewidth}
7349 \ifnum\maketitlemaxwidth<\maketitlefullwidth\setlength{\maketitlewidth}{\maketitlefullwidth}
7350 \newlength{\maketitlepicturewidth}
7351 \setlength{\maketitlepicturewidth}{\@photowidth}
7352 \newlength{\maketitledetailwidth}
7353 \renewcommand*{\recomputethemelengths}{%
7354   \setlength{\maketitledetailwidth}{\textwidth}%
7355   \addtolength{\maketitledetailwidth}{-\maketitlewidth}%
7356   \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
7357   \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}

```



```

7358 \recomputethemelengths
7359 \newif\if@firstdetailselement\@firstdetailselementtrue
7360 \newcommand*{\maketitledetailsnewline}{
7361   \if@firstdetailselement%
7362     \@firstdetailselementfalse%
7363   \else%
7364     \[.2em]\fi}
7365 \renewcommand*{\maketitle}{%
7366   % name and title
7367   \begin{minipage}[b]{\maketitlewidth}%
7368     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7369     \ifthenelse{\equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}%
7370   \end{minipage}%
7371   % optional data
7372   \begin{minipage}[b]{\maketitledetailswidth}%
7373     \bidi@raggedleft\addressfont\@addresscolour%
7374     \ifthenelse{\isundefined{\@address}}{\%
7375       \maketitledetailsnewline%
7376       \addresssymbol~\@address}%
7377     \ifthenelse{\isundefined{\@mobile}}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
7378     \ifthenelse{\isundefined{\@phone}}{\maketitledetailsnewline\phonesymbol~\@phone}%
7379     \ifthenelse{\isundefined{\@fax}}{\maketitledetailsnewline\faxsymbol~\@fax}%
7380     \ifthenelse{\isundefined{\@email}}{\maketitledetailsnewline\emailsymbol~\emailink{\@email}}%
7381     \ifthenelse{\isundefined{\@extrainfo}}{\maketitledetailsnewline\@extrainfo}%
7382   \end{minipage}%
7383   % optional photo
7384   \ifthenelse{\isundefined{\@photo}}{\%
7385     {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\m
7386   % optional quote
7387   \ifthenelse{\isundefined{\@quote}}{\%
7388     {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[
7391 }

```

7.47 dblfnote-xetex-bidi.def

```

7392 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
7393 \let\autofooterule\relax
7394 \let\rightfootnoterule\relax
7395 \let\leftfootnoterule\relax
7396 \let\textwidthfootnoterule\relax
7397 \let\LRfootnoterule\relax
7398 \def\footnoterule{\kern-3\p@
7399   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7400 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7401 \let\@footnotetext\dfn@footnotetext}
7402 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
7403   \let\insert\dfn@gobble
7404   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness

```



```

7405 \def\@makefnmark{\smash{\dfn@makefnmark}}
7406 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7407 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7408 \ifdim\dfn@dima>z@\else
7409 \dfn@dima\relax
7410 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7411 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7412 \ifvoid\dfn@ins\else
7413 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7414 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7415 \setbox\dfn@boxa\copy\dfn@ins
7416 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7417 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7418 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7419 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7420 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7421 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7422 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7423 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
7424 \let\insert\dfn@gobble
7425 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7426 \def\@makefnmark{\smash{\dfn@makefnmark}}
7427 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7428 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7429 \ifdim\dfn@dima>z@\else
7430 \dfn@dima\relax
7431 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7432 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7433 \ifvoid\dfn@ins\else
7434 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7435 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7436 \setbox\dfn@boxa\copy\dfn@ins
7437 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7438 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7439 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7440 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7441 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7442 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7443 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7444 \def\dfn@RTLmakecol{{\ifvoid\footins\else
7445 \dfn@dima\ht\footins
7446 \@tempcnta\z@ \dfn@countins
7447 \@tempdima\z@ \let\@elt\dfn@elt@getht
7448 \dfn@list\@nil
7449 \ifdim\@tempdima=z@\else
7450 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7451 \global\setbox\dfn@ins\box\dfn@ins
7452 \@tempwattrue
7453 \ifdfn@trysingle
7454 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom

```



```

7455         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7456         \advance\@tempdima-\skip\footins
7457         \advance\@tempdima-\ht\dfn@boxa
7458         \ifdim\@tempdima<\z@\else \@tempswafalse
7459             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7460                 \footnoterule \unvbox\dfn@boxa}\fi\fi
7461     \if@tempswa
7462     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7463     \global\setbox\footins\vbox{\hbox{%
7464         \hskip \DFNcolumnwidth
7465         \hskip \DFNcolumnsep
7466         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7467             \unvbox\dfn@boxb\vss}\hss}
7468     \hskip -\textwidth
7469     \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7470         \vbox to\@tempdima{
7471             \setbox\@tempboxa\vbox{\footnoterule}
7472             \ifdfn@ruleboth \unvbox\@tempboxa
7473             \else \@tempdima\ht\@tempboxa
7474                 \advance\@tempdima\dp\@tempboxa
7475                 \vskip\@tempdima
7476                 \prevdepth\dp\@tempboxa \fi
7477             \unvbox\dfn@boxa\vss}\fi\hss}
7478         \hskip \DFNcolumnsep
7479         \hskip \DFNcolumnwidth}}\fi\fi
7480     \global\dfn@fnht\z@
7481     \ifx\dfn@list\@empty\else
7482         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7483         \dfn@list \global\advance\dfn@fnht\dfn@dimb
7484         \let\@elt\relax
7485         \ifdim\dfn@dimb>\z@
7486             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7487             \insert\footins{\floatingpenalty\@MM
7488                 \vbox to\dfn@dimb{}}\fi
7489         \ifdim\dfn@fnht>\@tempdima
7490             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7491             \global\dfn@fnht\@tempdima
7492             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7493             \xdef\dfn@afteroutput{\insert\footins{
7494                 \floatingpenalty\@MM
7495                 \vbox to\number\@tempdimb sp{}}}%
7496             \global\let\noexpand\dfn@afteroutput\relax}%
7497         \fi\fi
7498     \fi}%
7499     \let\footnoterule\relax \dfn@latex@makecol
7500     \let\footnoterule\dfn@footnoterule}
7501 \def\dfn@LTRmakecol{\ifvoid\footins\else
7502     \dfn@dima\ht\footins
7503     \@tempcnta\z@ \dfn@countins
7504     \@tempdima\z@ \let\@elt\dfn@elt@getht

```



```

7505 \dfn@list\@nil
7506 \ifdim\@tempdima=z@\else
7507 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7508 \global\setbox\dfn@ins\box\dfn@ins
7509 \@tempswatruue
7510 \ifdfn@trysingle
7511 \setbox\dfn@boxb\ vbox{\unvcopy\@cclv}\@tempdima\@colroom
7512 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7513 \advance\@tempdima-\skip\footins
7514 \advance\@tempdima-\ht\dfn@boxa
7515 \ifdim\@tempdima<z@\else \@tempswafalse
7516 \global\setbox\footins\ vbox{\boxmaxdepth\dfn@fnmaxdp
7517 \footnoterule \unvbox\dfn@boxa}\fi\fi
7518 \if@tempswa
7519 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7520 \global\setbox\footins\ vbox{\hbox{%
7521 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7522 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7523 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7524 \vbox to\@tempdima{
7525 \setbox\@tempboxa\ vbox{\footnoterule}
7526 \ifdfn@ruleboth \unvbox\@tempboxa
7527 \else \@tempdima\ht\@tempboxa
7528 \advance\@tempdima\dp\@tempboxa
7529 \vskip\@tempdima
7530 \prevdepth\dp\@tempboxa \fi
7531 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7532 \global\dfn@fnht\z@
7533 \ifx\dfn@list\@empty\else
7534 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7535 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7536 \let\@elt\relax
7537 \ifdim\dfn@dimb>\z@
7538 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7539 \insert\footins{\floatingpenalty\@MM
7540 \vbox to\dfn@dimb{}}\fi
7541 \ifdim\dfn@fnht>\@tempdima
7542 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7543 \global\dfn@fnht\@tempdima
7544 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7545 \xdef\dfn@afteroutput{\insert\footins{
7546 \floatingpenalty\@MM
7547 \vbox to\number\@tempdimb sp{}}}%
7548 \global\let\noexpand\dfn@afteroutput\relax}%
7549 \fi\fi
7550 \fi}%
7551 \let\footnoterule\relax \dfn@latex@makecol
7552 \let\footnoterule\dfn@footnoterule}
7553 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7554 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}

```



```

7555 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7556 \DFNalwaysdouble

```

7.48 draftwatermark-xetex-bidi.def

```

7557 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
7558 \renewcommand\SetWatermarkText[1]{%
7559   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

7.49 eso-pic-xetex-bidi.def

```

7560 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package]
7561 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7562   \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}
7563 }
7564 \ESO@isMEMOIR{%
7565   \renewcommand\AtTextUpperLeft[1]{%
7566     \begingroup
7567       \ifodd\c@page
7568         \@tempdima=\spinemargin
7569       \else
7570         \@tempdima=\paperwidth
7571         \advance\@tempdima-\textwidth
7572         \advance\@tempdima-\spinemargin
7573       \fi
7574       \@tempdimb=-\uppermargin
7575       \AtPageUpperLeft{%
7576         \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7577       }%
7578     \endgroup
7579   }
7580 }{%
7581   \renewcommand\AtTextUpperLeft[1]{%
7582     \begingroup
7583       \@tempdima=1in\relax
7584       \ifodd\c@page
7585         \advance\@tempdima\oddsidemargin
7586       \else
7587         \advance\@tempdima\evensidemargin
7588       \fi
7589       \@tempdimb=-1in\relax
7590       \advance\@tempdimb-\topmargin
7591       \advance\@tempdimb-\headheight
7592       \advance\@tempdimb-\headsep
7593       \AtPageUpperLeft{%
7594         \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7595       }%
7596     \endgroup
7597   }
7598 }

```



7.50 empheq-xetex-bidi.def

```

7599 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for
7600 \MHInternalSyntaxOn
7601 \def\EQ_tag_plus_endmark:{%
7602   \iftagsleft@
7603     \gdef\maketag@@@##1{%
7604       \hfuzz\displaywidth
7605       \if@RTL\makebox[\widthof{##1}][r]{%
7606         \hbox to \displaywidth{\m@th\normalfont##1\hss
7607           \raisebox{-\dp\EQ_mathdisplay_box
7608             -\depthof{\EQ_outerbox:}}{
7609               {\PotEndMark{\hss}}}}
7610       \else\makebox[\widthof{##1}][l]{%
7611         \hbox to \displaywidth{\m@th\normalfont##1\hss
7612           \raisebox{-\dp\EQ_mathdisplay_box
7613             -\depthof{\EQ_outerbox:}}{
7614               {\PotEndMark{\hss}}}}}\fi}%
7615 \else:
7616   \gdef\maketag@@@##1{%
7617     \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
7618       \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
7619       \MH_addtolength:dn \@tempdima
7620       {\g_EQ_bottomtag_depth_dim+\mintagvsep}
7621       \setlength{\@tempdimb}
7622       {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
7623       +\depthof{\EQ_innerbox:}}}}
7624     \if_dim:w \@tempdima>\@tempdimb
7625       \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
7626         -\@tempdima+\g_EQ_bottomrow_depth_dim}
7627       \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
7628     \def\EQ_next:{\raisebox{\@tempdima}}%
7629     \else:
7630       \def\EQ_next:{
7631         \raisebox{-\dp\EQ_mathdisplay_box
7632           -\depthof{\EQ_outerbox:}}}%
7633     \fi:\EQ_next:}}}%
7634 \fi:}
7635 \def\EQ_post_process:{%
7636   \EQ_initialize:
7637   \EQ_begin_equation:
7638   \MH_if_boolean:nT {outer_mult}{
7639     \setkeys{\MT_options_name}{
7640       firstline-afterskip=0pt,
7641       lastline-preskip=0pt,
7642       multlined-width=0pt,
7643     }
7644   \ifodd \l_EQ_alignmentmode_int
7645     \setkeys{\MT_options_name}{multlined-pos=b}
7646   \else:

```



```

7647     \setkeys{MT_options_name:}{multlined-pos=t}
7648     \fi:
7649     \g@addto@macro\EQ_complete_mathdisplay:{
7650       \begin{MTmultlined}\relax}
7651   }
7652   \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
7653   \MH_if_boolean:nT {outer_mult}{
7654     \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
7655   }
7656   \EQ_end_equation:
7657   \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
7658   \savecounters@
7659   \EQ_typeset_tags:
7660   \edef\l_EQ_equation_fint{\number\c@equation}
7661   \restorecounters@
7662   \Hy@linkcounter=\EQ_hyperref_link_fint
7663   \settowidth\l_EQ_totalwidth_dim{%
7664     $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
7665   \MH_if_boolean:nTF {outer_mult}
7666     { \def\EQ_next:{_mult} }
7667     { \def\EQ_next:{} }
7668   \@nameuse{EQ_modify_linewidth_
7669     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7670   \EQ_typeset_display:
7671   \@nameuse{find_displaywidth_
7672     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7673   \MH_addtolength:dn
7674   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
7675   \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
7676     $\EQ_left_side:
7677     \EQ_innerbox:{%
7678       \if_case:w \l_EQ_alignmentmode_int\or:
7679         \makebox[\l_EQ_displaywidth_dim][c]
7680         {\usebox{\EQ_mathdisplay_box}}}%
7681       \or:
7682         \makebox[\l_EQ_displaywidth_dim][c]
7683         {\usebox{\EQ_mathdisplay_box}}}%
7684       \or:
7685         \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7686           \if_num:w \l_EQ_equationtype_int=5 \else:
7687             \if_num:w \l_EQ_equationtype_int=6 \else:
7688               \kern-\@mathmargin
7689             \fi:
7690             \fi:
7691             \usebox{\EQ_mathdisplay_box}}}%
7692         \else\makebox[\l_EQ_displaywidth_dim][l]{%
7693           \if_num:w \l_EQ_equationtype_int=5 \else:
7694             \if_num:w \l_EQ_equationtype_int=6 \else:
7695               \kern-\@mathmargin
7696             \fi:

```




```

7697         \fi:
7698         \usebox{\EQ_mathdisplay_box}}\fi%
7699     \or:
7700         \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7701         \if_num:w \l_EQ_equationtype_int=5 \else:
7702         \if_num:w \l_EQ_equationtype_int=6 \else:
7703         \kern-\@mathmargin
7704         \fi:
7705         \fi:
7706         \usebox{\EQ_mathdisplay_box}}
7707     \else\makebox[\l_EQ_displaywidth_dim][l]{%
7708     \if_num:w \l_EQ_equationtype_int=5 \else:
7709     \if_num:w \l_EQ_equationtype_int=6 \else:
7710     \kern-\@mathmargin
7711     \fi:
7712     \fi:
7713     \usebox{\EQ_mathdisplay_box}}\fi%
7714     \fi:}%
7715     \EQ_right_side:$}%
7716     \begin{AmSequation*}
7717     \@nameuse{EQ_place_display_
7718         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7719     \if_dim:w \g_EQ_widesttag_dim>\z@
7720     \MH_set_boolean_T:n {show_manual_tags}
7721     \if_case:w \l_EQ_alignmentmode_int
7722     \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
7723     \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
7724     \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
7725     \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
7726     \fi:
7727     \fi:
7728     \end{AmSequation*}
7729     \global\c@equation=\l_EQ_equation_fint\relax
7730 }
7731 \AtBeginDocument{%
7732 \ifpackageloaded{fancybox}{%
7733 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
7734 {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
7735 \renewcommand*\shadowbox{%
7736 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
7737 \VerbBox\EQ_shadowbox:n}
7738 {\MH_set_boolean_F:n {shadowbox_star}
7739 \VerbBox\EQ_shadowbox:n}}
7740 \def\EQ_shadowbox:n #1{%
7741 \sbox{\z@}{\fbox{#1}}%
7742 \MH_if_boolean:nTF {shadowbox_star}{
7743 \MH_setlength:dn \@tempdima{\z@}%
7744 }{
7745 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
7746 }

```



```

7747 \raisebox{\@tempdima}{%
7748 \if@RTL\makebox[\z@][r]{%
7749 \kern\shadowsize \textcolor{shadowcolor}{%
7750 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
7751 }%
7752 \else\makebox[\z@][l]{%
7753 \kern\shadowsize \textcolor{shadowcolor}{%
7754 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
7755 }\fi%
7756 \usebox\z@\textcolor{shadowcolor}{%
7757 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
7758 }{}%
7759 }
7760 \MHInternalSyntaxOff

```

7.51 extarticle-xetex-bidi.def

```

7761 \ProvidesFile{extarticle-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for extarticle clas
7762 \renewcommand*\l@section[2]{%
7763 \ifnum \c@tocdepth >\z@
7764 \addpenalty\@secpenalty
7765 \addvspace{1.0em \@plus\p@}%
7766 \setlength\@tempdima{1.5em}%
7767 \begingroup
7768 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7769 \parfillskip -\@pnumwidth
7770 \leavevmode \bfseries
7771 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
7772 \hskip -\if@RTL\rightskip\else\leftskip\fi
7773 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7774 \endgroup
7775 \fi}
7776 \renewcommand*\l@part[2]{%
7777 \ifnum \c@tocdepth >-2\relax
7778 \addpenalty\@secpenalty
7779 \addvspace{2.25em \@plus\p@}%
7780 \begingroup
7781 \setlength\@tempdima{3em}%
7782 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7783 \parfillskip -\@pnumwidth
7784 {\leavevmode
7785 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7786 \nobreak
7787 \endgroup
7788 \fi}
7789 \def\@part[#1]#2{%
7790 \ifnum \c@secnumdepth >\m@ne
7791 \refstepcounter{part}%
7792 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
7793 \else

```



```

7794     \addcontentsline{toc}{part}{#1}%
7795     \fi
7796     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7797     \interlinepenalty \@M
7798     \normalfont
7799     \ifnum \c@secnumdepth >\m@ne
7800         \Large\bfseries \partname~\thepart
7801         \par\nobreak
7802     \fi
7803     \huge \bfseries #2%
7804     \markboth{}{}\par}%
7805     \nobreak
7806     \vskip 3ex
7807     \@afterheading}
7808 \def\@spart#1{%
7809     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7810     \interlinepenalty \@M
7811     \normalfont
7812     \huge \bfseries #1\par}%
7813     \nobreak
7814     \vskip 3ex
7815     \@afterheading}
7816 \renewenvironment{thebibliography}[1]
7817     {\section*{\refname
7818     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
7819     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7820     \list{\@biblabel{\@arabic\c@enumiv}}%
7821         {\settowidth\labelwidth{\@biblabel{#1}}%
7822         \leftmargin\labelwidth
7823         \advance\leftmargin\labelsep
7824         \@openbib@code
7825         \usecounter{enumiv}%
7826         \let\p@enumiv\@empty
7827         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7828     \sloppy\clubpenalty4000\widowpenalty4000%
7829     \sfcode\.\@m}
7830     {\def\@noitemerr
7831     {\@latex@warning{Empty `thebibliography' environment}}%
7832     \endlist}
7833 \renewcommand\left@footnoterule{%
7834     \kern-3\p@
7835     \hrule\@width.4\columnwidth
7836     \kern2.6\p@}
7837 \renewcommand\right@footnoterule{%
7838     \kern-3\p@
7839     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7840     \kern2.6\p@}
7841     \if@titlepage
7842     \renewcommand\maketitle{\begin{titlepage}%
7843     \let\footnotesize\small

```



```

7844 \let\right@footnoterule\relax
7845 \let\left@footnoterule\relax
7846 \let\textwidth@footnoterule\relax
7847 \let \footnote \thanks
7848 \null\vfil
7849 \vskip 60\p@
7850 \begin{center}%
7851   {\LARGE \@title \par}%
7852   \vskip 3em%
7853   {\large
7854     \lineskip .75em%
7855     \begin{tabular}[t]{c}%
7856       \@author
7857     \end{tabular}\par}%
7858     \vskip 1.5em%
7859     {\large \@date \par}%           % Set date in \large size.
7860 \end{center}\par
7861 \@thanks
7862 \vfil\null
7863 \end{titlepage}%
7864 \setcounter{footnote}{0}%
7865 \global\let\thanks\relax
7866 \global\let\maketitle\relax
7867 \global\let\@thanks\@empty
7868 \global\let\@author\@empty
7869 \global\let\@date\@empty
7870 \global\let\@title\@empty
7871 \global\let\title\relax
7872 \global\let\author\relax
7873 \global\let\date\relax
7874 \global\let\and\relax
7875 }
7876 \else
7877 \renewcommand\maketitle{\par
7878   \begingroup
7879     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7880     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7881     \long\def\@makefntext##1{\parindent 1em\noindent
7882       \hb@xt@1.8em{%
7883         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7884     \if@twocolumn
7885       \ifnum \col@number=\@ne
7886         \@maketitle
7887       \else
7888         \twocolumn[\@maketitle]%
7889       \fi
7890     \else
7891       \newpage
7892       \global\@topnum\z@   % Prevents figures from going at top of page.
7893       \@maketitle

```



```

7894 \fi
7895 \thispagestyle{plain}\@thanks
7896 \endgroup
7897 \setcounter{footnote}{0}%
7898 \global\let\thanks\relax
7899 \global\let\maketitle\relax
7900 \global\let\@maketitle\relax
7901 \global\let\@thanks\@empty
7902 \global\let\@author\@empty
7903 \global\let\@date\@empty
7904 \global\let\@title\@empty
7905 \global\let\title\relax
7906 \global\let\author\relax
7907 \global\let\date\relax
7908 \global\let\and\relax
7909 }
7910 \def\@maketitle{%
7911 \newpage
7912 \null
7913 \vskip 2em%
7914 \begin{center}%
7915 \let \footnote \thanks
7916 {\LARGE \@title \par}%
7917 \vskip 1.5em%
7918 {\large
7919 \lineskip .5em%
7920 \begin{tabular}[t]{c}%
7921 \@author
7922 \end{tabular}\par}%
7923 \vskip 1em%
7924 {\large \@date}%
7925 \end{center}%
7926 \par
7927 \vskip 1.5em}
7928 \fi
7929 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7930 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7931 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7932 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

7.52 extbook-xetex-bidi.def

```

7933 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for
7934 \if@titlepage
7935 \renewcommand\maketitle{\begin{titlepage}%
7936 \let\footnotesize\small
7937 \let\right@footnoterule\relax
7938 \let\left@footnoterule\relax
7939 \let\textwidth\footnoterule\relax
7940 \let \footnote \thanks

```



```

7941 \let \LTRfootnote \LTRthanks
7942 \let \RTLfootnote \RTLthanks
7943 \null\vfil
7944 \vskip 60\p@
7945 \begin{center}%
7946   {\LARGE \@title \par}%
7947   \vskip 3em%
7948   {\large
7949     \lineskip .75em%
7950     \begin{tabular}[t]{c}%
7951       \@author
7952     \end{tabular}\par}%
7953     \vskip 1.5em%
7954     {\large \@date \par}%           % Set date in \large size.
7955 \end{center}\par
7956 \@thanks
7957 \vfil\null
7958 \end{titlepage}%
7959 \setcounter{footnote}{0}%
7960 \global\let\thanks\relax
7961 \global\let\LTRthanks\relax
7962 \global\let\RTLthanks\relax
7963 \global\let\maketitle\relax
7964 \global\let\@thanks\@empty
7965 \global\let\@author\@empty
7966 \global\let\@date\@empty
7967 \global\let\@title\@empty
7968 \global\let\title\relax
7969 \global\let\author\relax
7970 \global\let\date\relax
7971 \global\let\and\relax
7972 }
7973 \else
7974 \renewcommand\maketitle{\par
7975   \begingroup
7976     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7977     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7978     \long\def\@makefntext##1{\parindent 1em\noindent
7979       \hb@xt@1.8em{%
7980         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7981     \if@twocolumn
7982       \ifnum \col@number=\@ne
7983         \@maketitle
7984       \else
7985         \twocolumn[\@maketitle]%
7986       \fi
7987     \else
7988       \newpage
7989       \global\@topnum\z@    % Prevents figures from going at top of page.
7990       \@maketitle

```



```

7991 \fi
7992 \thispagestyle{plain}\@thanks
7993 \endgroup
7994 \setcounter{footnote}{0}%
7995 \global\let\thanks\relax
7996 \global\let\LTRthanks\relax
7997 \global\let\RTLthanks\relax
7998 \global\let\maketitle\relax
7999 \global\let\@maketitle\relax
8000 \global\let\@thanks\@empty
8001 \global\let\@author\@empty
8002 \global\let\@date\@empty
8003 \global\let\@title\@empty
8004 \global\let\title\relax
8005 \global\let\author\relax
8006 \global\let\date\relax
8007 \global\let\and\relax
8008 }
8009 \def\@maketitle{%
8010 \newpage
8011 \null
8012 \vskip 2em%
8013 \begin{center}%
8014 \let \footnote \thanks
8015 \let \LTRfootnote \LTRthanks
8016 \let \RTLfootnote \RTLthanks
8017 {\LARGE \@title \par}%
8018 \vskip 1.5em%
8019 {\large
8020 \lineskip .5em%
8021 \begin{tabular}[t]{c}%
8022 \@author
8023 \end{tabular}\par}%
8024 \vskip 1em%
8025 {\large \@date}%
8026 \end{center}%
8027 \par
8028 \vskip 1.5em}
8029 \fi
8030 \renewcommand*\l@part[2]{%
8031 \ifnum \c@tocdepth >-2\relax
8032 \addpenalty{-\@highpenalty}%
8033 \addvspace{2.25em \@plus\p@}%
8034 \begingroup
8035 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8036 \parfillskip -\@pnumwidth
8037 {\leavevmode
8038 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8039 \nobreak
8040 \global\@nobreaktrue

```



```

8041         \everypar{\global\@nbreakfalse\everypar{}}%
8042     \endgroup
8043 \fi}
8044 \renewcommand\theequation
8045     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8046 \renewcommand \thefigure
8047     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8048 \renewcommand \thetable
8049     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8050 \renewcommand \thechapter {\@arabic\c@chapter}
8051 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8052 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8053 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8054 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8055 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8056 \def\@makechapterhead#1{%
8057     \vspace*{50\p@}%
8058     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8059         \ifnum \c@secnumdepth >\m@ne
8060             \if@mainmatter
8061                 \huge\bfseries \@chapapp\space \thechapter
8062                 \par\nobreak
8063                 \vskip 20\p@
8064             \fi
8065             \fi
8066             \interlinepenalty\@M
8067             \Huge \bfseries #1\par\nobreak
8068             \vskip 40\p@
8069         }}
8070
8071 \def\@makeschapterhead#1{%
8072     \vspace*{50\p@}%
8073     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8074         \normalfont
8075         \interlinepenalty\@M
8076         \Huge \bfseries #1\par\nobreak
8077         \vskip 40\p@
8078     }}
8079 \renewcommand\backmatter{%
8080     \if@openright
8081         \cleardoublepage
8082     \else
8083         \clearpage
8084     \fi
8085     \@mainmatterfalse}
8086 \renewenvironment{thebibliography}[1]
8087     {\chapter*{\bibname
8088         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8089         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8090         \list{\@biblabel{\@arabic\c@enumiv}}%

```




```

8091      {\settowidth\labelwidth{\@biblabel{#1}}%
8092      \leftmargin\labelwidth
8093      \advance\leftmargin\labelsep
8094      \@openbib@code
8095      \usecounter{enumiv}%
8096      \let\p@enumiv\@empty
8097      \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8098      \sloppy
8099      \clubpenalty4000
8100      \@clubpenalty \clubpenalty
8101      \widowpenalty4000%
8102      \sfcode`. \m}
8103      {\def\@noitemerr
8104      {\@latex@warning{Empty `thebibliography' environment}}}%
8105      \endlist}

```

7.53 extletter-xetex-bidi.def

```

8106 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class
8107 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
8108   \thispagestyle{firstpage}%
8109   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8110   \else % home address
8111     \thispagestyle{empty}%
8112     {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignores
8113       \fromaddress \*[2\parskip]%
8114       \@date \end{tabular}\par}%
8115   \fi
8116   \vspace{2\parskip}%
8117   {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
8118   \vspace{2\parskip}%
8119   #1\par\nobreak}
8120 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8121   \stopbreaks
8122   \noindent
8123   \ifx\@empty\fromaddress\else
8124     \hspace*{\longindentation}\fi
8125   \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8126     \ignorespaces #1\ \[6\medskipamount]%
8127     \ifx\@empty\fromsig
8128       \fromname
8129     \else \fromsig \fi\strut}%
8130   \par}
8131 \renewcommand\left@footnoterule{%
8132   \kern-\p@
8133   \hrule \@width .4\columnwidth
8134   \kern .6\p@}
8135 \renewcommand\right@footnoterule{%
8136   \kern-\p@
8137   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }

```



8138 \kern .6\p@}

7.54 extrafootnotefeatures-xetex-bidi.def

```

8139 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2017/05/19 v1.1 bidi extra footnote featur
8140 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
8141 \if@bidi@csundef{ifHy@hyperfootnotes}{-}{%
8142 \if@bidi@csundef{HLTR@@LTRfootnotetext}{-}{%
8143 \ifHy@hyperfootnotes
8144 \let\@@H@@footnotetext\@footnotetext
8145 \let\@@HLTR@@LTRfootnotetext\@LTRfootnotetext
8146 \let\@@HRTL@@RTLfootnotetext\@RTLfootnotetext
8147 \let\@@H@@mpfootnotetext\@mpfootnotetext
8148 \let\@@HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
8149 \let\@@HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
8150 \fi
8151 }%
8152 }%
8153 }
8154 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
8155 \if@bidi@csundef{ifHy@hyperfootnotes}{-}{%
8156 \if@bidi@csundef{HLTR@@LTRfootnotetext}{-}{%
8157 \ifHy@hyperfootnotes
8158 \let\H@@footnotetext\@footnotetext
8159 \let\@footnotetext\@@H@@footnotetext
8160 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
8161 \let\@LTRfootnotetext\@@HLTR@@LTRfootnotetext
8162 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
8163 \let\@RTLfootnotetext\@@HRTL@@RTLfootnotetext
8164 \let\H@@mpfootnotetext\@mpfootnotetext
8165 \let\@mpfootnotetext\@@H@@mpfootnotetext
8166 \let\HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
8167 \let\@mpLTRfootnotetext\@@HLTR@@mpLTRfootnotetext
8168 \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
8169 \let\@mpRTLfootnotetext\@@HRTL@@mpRTLfootnotetext
8170 \fi
8171 }%
8172 }%
8173 }
8174 \let\autofooterule\relax
8175 \let\rightfootnoterule\relax
8176 \let\leftfootnoterule\relax
8177 \let\textwidthfootnoterule\relax
8178 \let\LRfootnoterule\relax
8179 \def\footnoterule{\kern-3\p@
8180 \hrule \@width \columnwidth \kern 2.6\p@}
8181 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
8182 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
8183 \renewcommand{\@footnotetext}[1]{%
8184 \insert\footins{%

```



```

8185 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8186 \def\baselinestretch{\m@m@footnote@spacing}%
8187 \reset@font
8188 \foottextfont
8189 \@preamfntext
8190 \hsize\columnwidth
8191 \protected@edef\@currentlabel{%
8192   \csname p@footnote\endcsname\@thefnmark}%
8193 \color@begingroup
8194   \@makefntext{%
8195     \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8196     \@finalstrut\strutbox}%
8197 \color@endgroup}%
8198 \m@mmf@prepare}
8199 \renewcommand{\@RTLfootnotetext}[1]{%
8200   \insert\footins{%
8201     \@RTLtrue%
8202     \def\baselinestretch{\m@m@footnote@spacing}%
8203     \reset@font
8204     \RTLfoottextfont
8205     \@preamfntext
8206     \hsize\columnwidth
8207     \protected@edef\@currentlabel{%
8208       \csname p@footnote\endcsname\@thefnmark}%
8209     \color@begingroup
8210       \@makefntext{%
8211         \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8212         \@finalstrut\strutbox}%
8213     \color@endgroup}%
8214     \m@mmf@prepare}
8215 \renewcommand{\@LTRfootnotetext}[1]{%
8216   \insert\footins{%
8217     \@RTLfalse%
8218     \def\baselinestretch{\m@m@footnote@spacing}%
8219     \reset@font
8220     \LTRfoottextfont
8221     \@preamfntext
8222     \hsize\columnwidth
8223     \protected@edef\@currentlabel{%
8224       \csname p@footnote\endcsname\@thefnmark}%
8225     \color@begingroup
8226       \@makefntext{%
8227         \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8228         \@finalstrut\strutbox}%
8229     \color@endgroup}%
8230     \m@mmf@prepare}
8231 \renewcommand{\@mpfootnotetext}[1]{%
8232   \global\setbox\@mpfootins\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8233     \unvbox\@mpfootins
8234     \def\baselinestretch{\m@m@footnote@spacing}%

```



```

8235 \foottextfont \hsize\columnwidth \@parboxrestore
8236 \protected@edef\@currentlabel{%
8237 \csname p@mpfootnote\endcsname\@thefnmark}%
8238 \color@begingroup
8239 \reset@font%
8240 \@makefnintext{%
8241 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8242 \@finalstrut\strutbox}%
8243 \color@endgroup}}
8244 \renewcommand{\@mpLTRfootnotetext}[1]{%
8245 \global\setbox\@mpfootins\vbox{\@RTLfalse%
8246 \unvbox\@mpfootins
8247 \def\baselinestretch{\m@m@footnote@spacing}%
8248 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8249 \protected@edef\@currentlabel{%
8250 \csname p@mpfootnote\endcsname\@thefnmark}%
8251 \color@begingroup
8252 \reset@font%
8253 \@makefnintext{%
8254 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8255 \@finalstrut\strutbox}%
8256 \color@endgroup}}
8257 \renewcommand{\@mpRTLfootnotetext}[1]{%
8258 \global\setbox\@mpfootins\vbox{\@RTLtrue%
8259 \unvbox\@mpfootins
8260 \def\baselinestretch{\m@m@footnote@spacing}%
8261 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8262 \protected@edef\@currentlabel{%
8263 \csname p@mpfootnote\endcsname\@thefnmark}%
8264 \color@begingroup
8265 \reset@font%
8266 \@makefnintext{%
8267 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8268 \@finalstrut\strutbox}%
8269 \color@endgroup}}
8270 \let\m@mold@footnotetext\@footnotetext
8271 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8272 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8273 \let\m@mold@mpfootnotetext\@mpfootnotetext
8274 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8275 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8276 \bidi@ensure@newcommand{\normalfootnotes}{%
8277 \@bidi@before@Hy@hyperfootnotes
8278 \let\@footnotetext\m@mold@footnotetext
8279 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8280 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8281 \let\@mpfootnotetext\m@mold@mpfootnotetext
8282 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8283 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
8284 \@bidi@after@Hy@hyperfootnotes}

```



```

8285 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{}
8286 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestruer}
8287 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotesfalse}
8288 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
8289   \def\m@m@singlespace{#1}%
8290   \def\m@m@footnote@spacing{#1}%
8291   \def\m@m@float@spacing{#1} %
8292 }
8293 \setSingleSpace{1}
8294 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
8295 \bidi@ensure@newcommand*{\m@mmf@prepare}{%
8296   \kern-\multiplefootnotemarker
8297   \kern\multiplefootnotemarker\relax}
8298 \bidi@ensure@newlength{\footmarkwidth}
8299 \bidi@ensure@newlength{\footmarksep}
8300 \bidi@ensure@newlength{\footparindent}
8301 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
8302 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8303 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8304 \bidi@ensure@newcommand{\footfootmark}{%
8305   \ifdim\footmarkwidth < \z@
8306     \llap{\hb@xt@ -\footmarkwidth{%
8307       \hss\normalfont\footscript{\@thefnmark}}}%
8308     \hspace*{-\footmarkwidth}}%
8309   \else
8310     \ifdim\footmarkwidth = \z@
8311       {\normalfont\footscript{\@thefnmark}}%
8312     \else
8313       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8314     \fi
8315   \fi}
8316 \bidi@ensure@newcommand{\LTRfootfootmark}{%
8317   \ifdim\footmarkwidth < \z@
8318     \llap{\hb@xt@ -\footmarkwidth{%
8319       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
8320     \hspace*{-\footmarkwidth}}%
8321   \else
8322     \ifdim\footmarkwidth = \z@
8323       {\normalfont\LTRfootscript{\@thefnmark}}%
8324     \else
8325       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
8326     \fi
8327   \fi}
8328 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8329   \ifdim\footmarkwidth < \z@
8330     \llap{\hb@xt@ -\footmarkwidth{%
8331       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
8332     \hspace*{-\footmarkwidth}}%
8333   \else
8334     \ifdim\footmarkwidth = \z@

```



```

8335     {\normalfont\RTLfootscript{\@thefnmark}}%
8336     \else
8337         \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
8338     \fi
8339 \fi}
8340 \footmarkstyle{\textsuperscript{#1}}
8341 \LTRfootmarkstyle{\textsuperscript{#1}}
8342 \RTLfootmarkstyle{\textsuperscript{#1}}
8343 \setlength{\footmarkwidth}{1em plus.4em minus.4em}
8344 \setlength{\footparindent}{1em}
8345 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
8346 \bidi@ensure@newcommand*{\extrafeetins}{%
8347     \setbox\@outputbox \vbox{%
8348         \boxmaxdepth \@maxdepth
8349         \unvbox\@outputbox
8350         \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8351         \extrafeetinshook}}
8352 \bidi@ensure@newcommand{\extrafeetinshook}{}
8353 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8354 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8355 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8356 \bidi@ensure@newlength{\footinsdim}
8357 \setlength{\footinsdim}{8in} % standard for \dimen\footins
8358 \bidi@ensure@newcommand{\@preamfntext}{%
8359     \interlinepenalty\interfootnotelinepenalty
8360     \floatingpenalty \@MM
8361     \splittopskip=\footnotesep
8362     \splitmaxdepth=\dp\strutbox
8363     \@parboxrestore}
8364 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
8365     \extrafeetminihook}
8366 \bidi@ensure@newcommand{\extrafeetendmini}{%
8367     \ifvoid\@mpfootinsv@r\else
8368         \vskip\skip\@mpfootins
8369         \normalcolor\footnoterule\mp@footgroupv@r
8370     \fi
8371     \extrafeetendminihook}
8372 \bidi@ensure@newcommand{\extrafeetendminihook}{}
8373 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
8374 \def\endminipage{%
8375     \par
8376     \unskip
8377     \ifvoid\@mpfootins\else
8378         \vskip\skip\@mpfootins
8379         \normalcolor
8380         \footnoterule
8381         \unvbox\@mpfootins
8382     \fi
8383     \m@mdoextrafeetendmini
8384     \@minipagefalse

```



```

8385 \color@endgroup
8386 \egroup
8387 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
8388 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8389 \@namedef{footstart#1}{%
8390 \bidi@mopfn@bottom
8391 \vskip\bigskipamount
8392 \leftskip=\z@
8393 \rightskip=\z@
8394 \footnoterule}}
8395 \newinsert\footinsv@r
8396 \skip\footinsv@r\bigskipamount
8397 \count\footinsv@r=1000 % no magnification
8398 \dimen\footinsv@r=\footinsdim
8399 \m@make@footstart{v@r}
8400 \bidi@ensure@newcommand{\@footgroupv@r}{%
8401 \newinsert\@mpfootinsv@r
8402 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
8403 \newcount\m@m@k \newdimen\m@m@h
8404 \ifpackageloaded{multicol}{%
8405 \bidi@ensure@newcommand*{\m@r@rigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8406 \hsize\textwidth
8407 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8408 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8409 }{%
8410 \bidi@ensure@newcommand*{\m@r@rigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8411 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8412 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8413 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8414 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8415 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
8416 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8417 \setbox2 \vsplit0 to \dimen0
8418 \unvbox2 }
8419 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8420 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8421 \@bidi@before@Hy@hyperfootnotes
8422 \let\@footnotetext\@twocolfootnotetext
8423 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8424 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8425 \dimen\footinsv@r=2\footinsdim
8426 \count\footinsv@r=500\relax
8427 \m@make@twocol@footgroup{v@r}%
8428 \let\@footgroupv@r\@twocol@footgroupv@r
8429 \let\@mpfootnotetext\@mptwocolfootnotetext
8430 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8431 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8432 \@bidi@after@Hy@hyperfootnotes
8433 \m@make@mptwocol@footgroup{v@r}%
8434 \let\mp@footgroupv@r\@mptwocol@footgroupv@r}

```



```

8435 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8436 \def\baselinestretch{\m@m@footnote@spacing}%
8437 \reset@font\foottextfont
8438 \@preamfntext
8439 \protected@edef\@currentlabel{%
8440 \csname p@footnote\endcsname\@thefnmark}%
8441 \color@begingroup
8442 \@twocolfootfmt{#1}%
8443 \color@endgroup}%
8444 \m@mmf@prepare}
8445 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8446 \def\baselinestretch{\m@m@footnote@spacing}%
8447 \reset@font\LTRfoottextfont
8448 \@preamfntext
8449 \protected@edef\@currentlabel{%
8450 \csname p@footnote\endcsname\@thefnmark}%
8451 \color@begingroup
8452 \@twocolLTRfootfmt{#1}%
8453 \color@endgroup}%
8454 \m@mmf@prepare}
8455 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8456 \def\baselinestretch{\m@m@footnote@spacing}%
8457 \reset@font\RTLfoottextfont
8458 \@preamfntext
8459 \protected@edef\@currentlabel{%
8460 \csname p@footnote\endcsname\@thefnmark}%
8461 \color@begingroup
8462 \@twocolRTLfootfmt{#1}%
8463 \color@endgroup}%
8464 \m@mmf@prepare}
8465 \bidi@ensure@newcommand{\@preamtwofmt}{%
8466 \hsize .45\hsize
8467 \parindent=\z@
8468 \tolerance=5000\relax
8469 \leavevmode}
8470 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8471 \@preamtwofmt
8472 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8473 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8474 \@preamtwofmt
8475 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8476 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8477 \@preamtwofmt
8478 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8479 \bidi@ensure@newcommand{\@emptwocolfootnotetext}[1]{%
8480 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8481 \unvbox\@mpfootinsv@r
8482 \def\baselinestretch{\m@m@footnote@spacing}%
8483 \reset@font\foottextfont
8484 \hsize\columnwidth \@parboxrestore

```




```

8485 \protected@edef\@currentlabel{%
8486 \csname p@mpfootnote\endcsname\@thefnmark}%
8487 \color@begingroup
8488 \@twocolfootfmt{#1}%
8489 \color@endgroup}%
8490 \m@mmf@prepare}
8491 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
8492 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8493 \unvbox\@mpfootinsv@r
8494 \def\baselinestretch{\m@m@footnote@spacing}%
8495 \reset@font\LTRfoottextfont
8496 \hsize\columnwidth \@parboxrestore
8497 \if@RTLcolumnfootnotes\beginL\fi
8498 \protected@edef\@currentlabel{%
8499 \csname p@mpfootnote\endcsname\@thefnmark}%
8500 \color@begingroup
8501 \@twocolLTRfootfmt{#1}%
8502 \color@endgroup}%
8503 \m@mmf@prepare}
8504 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
8505 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8506 \unvbox\@mpfootinsv@r
8507 \def\baselinestretch{\m@m@footnote@spacing}%
8508 \reset@font\RTLfoottextfont
8509 \hsize\columnwidth \@parboxrestore
8510 \protected@edef\@currentlabel{%
8511 \csname p@mpfootnote\endcsname\@thefnmark}%
8512 \color@begingroup
8513 \@twocolRTLfootfmt{#1}%
8514 \color@endgroup}%
8515 \m@mmf@prepare}
8516 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8517 \m@make@twocolfootnotetext{#1}%
8518 \m@make@mptwocolfootnotetext{#1}%
8519 \m@make@twocolfootfmt{#1}%
8520 \m@make@twocol@footgroup{#1}%
8521 \m@make@mptwocol@footgroup{#1}%
8522 \m@make@footstart{#1}%
8523 \bidi@namelongdef{\@footnotetext#1}##1{%
8524 \@nameuse{\@twocolfootnotetext#1}{##1}}%
8525 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8526 \@nameuse{\@mptwocolfootnotetext#1}{##1}}%
8527 \@namedef{\@footgroup#1}{\@nameuse{\@twocol@footgroup#1}}%
8528 \@namedef{\mp@footgroup#1}{\@nameuse{\@mptwocol@footgroup#1}}%
8529 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8530 \expandafter\count\csname footins#1\endcsname=500\relax}
8531 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8532 \bidi@namelongdef{\@twocolfootnotetext#1}##1{%
8533 \insert\@nameuse{footins#1}{%
8534 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

8535 \reset@font\@nameuse{foottextfont#1}%
8536 \@preamfntext
8537 \protected@edef\@currentlabel{%
8538 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8539 \color@begingroup
8540 \@nameuse{@twocolfootfmt#1}{##1}%
8541 \color@endgroup}%
8542 \m@mmlf@prepare}}
8543 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8544 \bidi@namelongdef{\mptwocolfootnotetext#1}##1{%
8545 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8546 \unvbox\@nameuse{@mpfootins#1}
8547 \def\baselinestretch{\m@m@footnote@spacing}%
8548 \reset@font\@nameuse{foottextfont#1}%
8549 \hsize\columnwidth \@parboxrestore
8550 \protected@edef\@currentlabel{%
8551 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8552 \color@begingroup
8553 \@nameuse{@twocolfootfmt#1}{##1}%
8554 \color@endgroup}\m@mmlf@prepare}}
8555 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8556 \@namedef{@twocolfootfmt#1}##1{%
8557 \@preamtwofmt
8558 {\@nameuse{footfootmark#1}\strut
8559 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8560 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8561 \@namedef{@twocol@footgroup#1}{%
8562 \def\baselinestretch{\m@m@footnote@spacing}%
8563 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8564 \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
8565 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
8566 \@namedef{@mptwocol@footgroup#1}{%
8567 \def\baselinestretch{\m@m@footnote@spacing}%
8568 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8569 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
8570 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8571 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8572 \@bidi@before@Hy@hyperfootnotes
8573 \let\@footnotetext\@threecolfootnotetext
8574 \let\@LTRfootnotetext\@threecolLTRfootnotetext
8575 \let\@RTLfootnotetext\@threecolRTLfootnotetext
8576 \dimen\footinsv@r=3\footinsdim
8577 \count\footinsv@r=333\relax
8578 \m@make@threecol@footgroup{v@r}%
8579 \let\@footgroupv@r\@threecol@footgroupv@r
8580 \let\@mpfootnotetext\@mpthreecolfootnotetext
8581 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
8582 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8583 \@bidi@after@Hy@hyperfootnotes
8584 \m@make@mpthreecol@footgroup{v@r}%

```



```

8585 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
8586 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8587 \def\baselinestretch{\m@m@footnote@spacing}%
8588 \reset@font\foottextfont
8589 \@preamfntext
8590 \protected@edef\@currentlabel{%
8591 \csname p@footnote\endcsname\@thefnmark}%
8592 \color@begingroup
8593 \@threecolfootfmt{#1}%
8594 \color@endgroup}\m@mmf@prepare}
8595 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8596 \def\baselinestretch{\m@m@footnote@spacing}%
8597 \reset@font\LTRfoottextfont
8598 \@preamfntext
8599 \protected@edef\@currentlabel{%
8600 \csname p@footnote\endcsname\@thefnmark}%
8601 \color@begingroup
8602 \@threecolLTRfootfmt{#1}%
8603 \color@endgroup}\m@mmf@prepare}
8604 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8605 \def\baselinestretch{\m@m@footnote@spacing}%
8606 \reset@font\RTLfoottextfont
8607 \@preamfntext
8608 \protected@edef\@currentlabel{%
8609 \csname p@footnote\endcsname\@thefnmark}%
8610 \color@begingroup
8611 \@threecolRTLfootfmt{#1}%
8612 \color@endgroup}\m@mmf@prepare}
8613 \bidi@ensure@newcommand{\@preamthreelfmt}{%
8614 \hspace{.3\hspace}
8615 \parindent=\z@
8616 \tolerance=5000\relax
8617 \leavevmode}
8618 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
8619 \@preamthreelfmt
8620 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8621 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
8622 \@preamthreelfmt
8623 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8624 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
8625 \@preamthreelfmt
8626 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8627 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
8628 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8629 \unvbox\@mpfootinsv@r
8630 \def\baselinestretch{\m@m@footnote@spacing}%
8631 \reset@font\foottextfont
8632 \hspace\columnwidth \@parboxrestore
8633 \protected@edef\@currentlabel{%
8634 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

8635 \color@begingroup
8636 \@threecolfootfmt{#1}%
8637 \color@endgroup}\m@mmf@prepare}
8638 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
8639 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8640 \unvbox\@mpfootinsv@r
8641 \def\baselinestretch{\m@m@footnote@spacing}%
8642 \reset@font\LTRfoottextfont
8643 \hsize\columnwidth \@parboxrestore
8644 \if@RTLcolumnfootnotes\beginL\fi
8645 \protected@edef\@currentlabel{%
8646 \csname p@mpfootnote\endcsname\@thefnmark}%
8647 \color@begingroup
8648 \@threecolLTRfootfmt{#1}%
8649 \color@endgroup}\m@mmf@prepare}
8650 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
8651 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8652 \unvbox\@mpfootinsv@r
8653 \def\baselinestretch{\m@m@footnote@spacing}%
8654 \reset@font\RTLfoottextfont
8655 \hsize\columnwidth \@parboxrestore
8656 \protected@edef\@currentlabel{%
8657 \csname p@mpfootnote\endcsname\@thefnmark}%
8658 \color@begingroup
8659 \@threecolRTLfootfmt{#1}%
8660 \color@endgroup}\m@mmf@prepare}
8661 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
8662 \m@make@threecolfootnotetext{#1}%
8663 \m@make@mpthreecolfootnotetext{#1}%
8664 \m@make@threecolfootfmt{#1}%
8665 \m@make@threecol@footgroup{#1}%
8666 \m@make@mpthreecol@footgroup{#1}%
8667 \m@make@footstart{#1}%
8668 \bidi@namelongdef{\footnotetext#1}##1{%
8669 \@nameuse{\@threecolfootnotetext#1}{##1}}%
8670 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8671 \@nameuse{\@mpthreecolfootnotetext#1}{##1}}%
8672 \@namedef{\footgroup#1}{\@nameuse{\@threecol@footgroup#1}}%
8673 \@namedef{\mpfootgroup#1}{\@nameuse{\@mpthreecol@footgroup#1}}%
8674 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
8675 \expandafter\count\csname footins#1\endcsname=333\relax}
8676 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
8677 \bidi@namelongdef{\@threecolfootnotetext#1}##1{%
8678 \insert\@nameuse{\footins#1}{%
8679 \def\baselinestretch{\m@m@footnote@spacing}%
8680 \reset@font\@nameuse{\foottextfont#1}%
8681 \@preamfntext
8682 \protected@edef\@currentlabel{%
8683 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8684 \color@begingroup

```



```

8685 \nameuse{@threecolfootfmt#1}{##1}%
8686 \color@endgroup}\m@mmf@prepare}}
8687 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
8688 \bidi@namelongdef{@mpthreecolfootnotetext#1}##1{%
8689 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8690 \unvbox\@nameuse{@mpfootins#1}
8691 \def\baselinestretch{\m@m@footnote@spacing}%
8692 \reset@font\@nameuse{foottextfont#1}%
8693 \hsize\columnwidth \@parboxrestore
8694 \protected@edef\@currentlabel{%
8695 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}}%
8696 \color@begingroup
8697 \nameuse{@threecolfootfmt#1}{##1}%
8698 \color@endgroup}\m@mmf@prepare}}
8699 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
8700 \bidi@namelongdef{@threecolfootfmt#1}##1{%
8701 \@preamthreefmt
8702 {\@nameuse{footfootmark#1}\strut
8703 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8704 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
8705 \namedef{@threecol@footgroup#1}{%
8706 \def\baselinestretch{\m@m@footnote@spacing}%
8707 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8708 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
8709 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
8710 \namedef{@mpthreecol@footgroup#1}{%
8711 \def\baselinestretch{\m@m@footnote@spacing}%
8712 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8713 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}{\splittopskip}}}}
8714 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
8715 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8716 \@bidi@before@Hy@hyperfootnotes
8717 \let\@footnotetext\@fourcolfootnotetext
8718 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
8719 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
8720 \dimen\footinsv@r=4\footinsdim
8721 \count\footinsv@r=250\relax
8722 \m@make@fourcol@footgroup{v@r}%
8723 \let\@footgroupv@r\@fourcol@footgroupv@r
8724 \let\@mpfootnotetext\@mpfourcolfootnotetext
8725 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
8726 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
8727 \@bidi@after@Hy@hyperfootnotes
8728 \m@make@mpfourcol@footgroup{v@r}%
8729 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
8730 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8731 \def\baselinestretch{\m@m@footnote@spacing}%
8732 \reset@font\foottextfont
8733 \@preamfntext
8734 \protected@edef\@currentlabel{%

```



```

8735 \csname p@footnote\endcsname\@thefnmark}%
8736 \color@begingroup
8737 \@fourcolfootfmt{#1}%
8738 \color@endgroup}%
8739 \m@mmf@prepare}
8740 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8741 \def\baselinestretch{\m@m@footnote@spacing}%
8742 \reset@font\LTRfoottextfont
8743 \@preamfntext
8744 \protected@edef\@currentlabel{%
8745 \csname p@footnote\endcsname\@thefnmark}%
8746 \color@begingroup
8747 \@fourcolLTRfootfmt{#1}%
8748 \color@endgroup}%
8749 \m@mmf@prepare}
8750 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8751 \def\baselinestretch{\m@m@footnote@spacing}%
8752 \reset@font\RTLfoottextfont
8753 \@preamfntext
8754 \protected@edef\@currentlabel{%
8755 \csname p@footnote\endcsname\@thefnmark}%
8756 \color@begingroup
8757 \@fourcolRTLfootfmt{#1}%
8758 \color@endgroup}%
8759 \m@mmf@prepare}
8760 \bidi@ensure@newcommand{\@preamfourfmt}{%
8761 \hsize .25\hsize
8762 \parindent=\z@
8763 \tolerance=5000\relax
8764 \leavevmode}
8765 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
8766 \@preamfourfmt
8767 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8768 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
8769 \@preamfourfmt
8770 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8771 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
8772 \@preamfourfmt
8773 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8774 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
8775 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8776 \unvbox\@mpfootinsv@r
8777 \def\baselinestretch{\m@m@footnote@spacing}%
8778 \reset@font\foottextfont
8779 \hsize\columnwidth \@parboxrestore
8780 \protected@edef\@currentlabel{%
8781 \csname p@mpfootnote\endcsname\@thefnmark}%
8782 \color@begingroup
8783 \@fourcolfootfmt{#1}%
8784 \color@endgroup}%

```



```

8785 \m@mmf@prepare}
8786 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
8787 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8788 \unvbox\@mpfootinsv@r
8789 \def\baselinestretch{\m@m@footnote@spacing}%
8790 \reset@font\LTRfoottextfont
8791 \hsize\columnwidth \@parboxrestore
8792 \if@RTLcolumnfootnotes\beginL\fi
8793 \protected@edef\@currentlabel{%
8794 \csname p@mpfootnote\endcsname\@thefnmark}%
8795 \color@begingroup
8796 \@fourcolLTRfootfmt{#1}%
8797 \color@endgroup}%
8798 \m@mmf@prepare}
8799 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
8800 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8801 \unvbox\@mpfootinsv@r
8802 \def\baselinestretch{\m@m@footnote@spacing}%
8803 \reset@font\RTLfoottextfont
8804 \hsize\columnwidth \@parboxrestore
8805 \protected@edef\@currentlabel{%
8806 \csname p@mpfootnote\endcsname\@thefnmark}%
8807 \color@begingroup
8808 \@fourcolRTLfootfmt{#1}%
8809 \color@endgroup}%
8810 \m@mmf@prepare}
8811 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
8812 \m@make@fourcolfootnotetext{#1}%
8813 \m@make@mpfourcolfootnotetext{#1}%
8814 \m@make@fourcolfootfmt{#1}%
8815 \m@make@fourcol@footgroup{#1}%
8816 \m@make@mpfourcol@footgroup{#1}%
8817 \m@make@footstart{#1}%
8818 \bidi@namelongdef{\footnotetext#1}##1{%
8819 \@nameuse{\@fourcolfootnotetext#1}{##1}}%
8820 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8821 \@nameuse{\@mpfourcolfootnotetext#1}{##1}}%
8822 \@namedef{\@footgroup#1}{\@nameuse{\@fourcol@footgroup#1}}%
8823 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfourcol@footgroup#1}}%
8824 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8825 \expandafter\count\csname footins#1\endcsname=500\relax}
8826 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
8827 \bidi@namelongdef{\@fourcolfootnotetext#1}##1{%
8828 \insert\@nameuse{footins#1}{%
8829 \def\baselinestretch{\m@m@footnote@spacing}%
8830 \reset@font\@nameuse{foottextfont#1}%
8831 \@preamfntext
8832 \protected@edef\@currentlabel{%
8833 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8834 \color@begingroup

```




```

8835 \nameuse{@fourcolfootfmt#1}{##1}%
8836 \color@endgroup}%
8837 \m@mmf@prepare}}
8838 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
8839 \bidi@namelongdef{@mpfourcolfootnotetext#1}{##1}%
8840 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8841 \unvbox\@nameuse{@mpfootins#1}
8842 \def\baselinestretch{\m@m@footnote@spacing}%
8843 \reset@font\@nameuse{foottextfont#1}%
8844 \hsize\columnwidth \@parboxrestore
8845 \protected@edef\@currentlabel{%
8846 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8847 \color@begingroup
8848 \nameuse{@fourcolfootfmt#1}{##1}%
8849 \color@endgroup}\m@mmf@prepare}}
8850 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
8851 \namedef{@fourcolfootfmt#1}{##1}%
8852 \@preamfourfmt
8853 {\@nameuse{footfootmark#1}\strut
8854 {\@nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
8855 \bidi@ensure@newcommand{\m@make@fourcolfootgroup}[1]{%
8856 \namedef{@fourcolfootgroup#1}{%
8857 \def\baselinestretch{\m@m@footnote@spacing}%
8858 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8859 \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
8860 \bidi@ensure@newcommand{\m@make@mpfourcolfootgroup}[1]{%
8861 \namedef{@mpfourcolfootgroup#1}{%
8862 \def\baselinestretch{\m@m@footnote@spacing}%
8863 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8864 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}%
8865 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
8866 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8867 \@bidi@before@Hy@hyperfootnotes
8868 \let\@footnotetext\@fivecolfootnotetext
8869 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
8870 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
8871 \dimen\footinsv@r=5\footinsdim
8872 \count\footinsv@r=200\relax
8873 \m@make@fivecolfootgroup{v@r}%
8874 \let\@footgroupv@r\@fivecolfootgroupv@r
8875 \let\@mpfootnotetext\@mpfivecolfootnotetext
8876 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
8877 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
8878 \@bidi@after@Hy@hyperfootnotes
8879 \m@make@mpfivecolfootgroup{v@r}%
8880 \let\mp@footgroupv@r\@mpfivecolfootgroupv@r}
8881 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8882 \def\baselinestretch{\m@m@footnote@spacing}%
8883 \reset@font\foottextfont
8884 \@preamfntext

```




```

8885 \protected@edef\@currentlabel{%
8886   \csname p@footnote\endcsname\@thefnmark}%
8887 \color@begingroup
8888   \@fivecolfootfmt{#1}%
8889 \color@endgroup}%
8890 \m@mmf@prepare}
8891 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8892   \def\baselinestretch{\m@m@footnote@spacing}%
8893   \reset@font\LTRfoottextfont
8894   \@preamfntext
8895   \protected@edef\@currentlabel{%
8896     \csname p@footnote\endcsname\@thefnmark}%
8897   \color@begingroup
8898     \@fivecolLTRfootfmt{#1}%
8899   \color@endgroup}%
8900   \m@mmf@prepare}
8901 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8902   \def\baselinestretch{\m@m@footnote@spacing}%
8903   \reset@font\RTLfoottextfont
8904   \@preamfntext
8905   \protected@edef\@currentlabel{%
8906     \csname p@footnote\endcsname\@thefnmark}%
8907   \color@begingroup
8908     \@fivecolRTLfootfmt{#1}%
8909   \color@endgroup}%
8910   \m@mmf@prepare}
8911 \bidi@ensure@newcommand{\@preamfivefmt}{%
8912   \hspace{.2\hspace}
8913   \parindent=\z@
8914   \tolerance=5000\relax
8915   \leavevmode}
8916 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
8917   \@preamfivefmt
8918   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8919 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
8920   \@preamfivefmt
8921   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8922 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
8923   \@preamfivefmt
8924   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8925 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
8926   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8927     \unvbox\@mpfootinsv@r
8928     \def\baselinestretch{\m@m@footnote@spacing}%
8929     \reset@font\foottextfont
8930     \hspace\columnwidth \@parboxrestore
8931     \protected@edef\@currentlabel{%
8932       \csname p@mpfootnote\endcsname\@thefnmark}%
8933     \color@begingroup
8934       \@fivecolfootfmt{#1}%

```



```

8935 \color@endgroup}%
8936 \m@mmf@prepare}
8937 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
8938 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8939 \unvbox\@mpfootinsv@r
8940 \def\baselinestretch{\m@m@footnote@spacing}%
8941 \reset@font\LTRfoottextfont
8942 \hsize\columnwidth \@parboxrestore
8943 \if@RTLcolumnfootnotes\beginL\fi
8944 \protected@edef\@currentlabel{%
8945 \csname p@mpfootnote\endcsname\@thefnmark}%
8946 \color@begingroup
8947 \@fivecolLTRfootfmt{#1}%
8948 \color@endgroup}%
8949 \m@mmf@prepare}
8950 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
8951 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8952 \unvbox\@mpfootinsv@r
8953 \def\baselinestretch{\m@m@footnote@spacing}%
8954 \reset@font\RTLfoottextfont
8955 \hsize\columnwidth \@parboxrestore
8956 \protected@edef\@currentlabel{%
8957 \csname p@mpfootnote\endcsname\@thefnmark}%
8958 \color@begingroup
8959 \@fivecolRTLfootfmt{#1}%
8960 \color@endgroup}%
8961 \m@mmf@prepare}
8962 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
8963 \m@make@fivecolfootnotetext{#1}%
8964 \m@make@mpfivecolfootnotetext{#1}%
8965 \m@make@fivecolfootfmt{#1}%
8966 \m@make@fivecol@footgroup{#1}%
8967 \m@make@mpfivecol@footgroup{#1}%
8968 \m@make@footstart{#1}%
8969 \bidi@namelongdef{\footnotetext#1}##1{%
8970 \@nameuse{\@fivecolfootnotetext#1}##1}%
8971 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8972 \@nameuse{\@mpfivecolfootnotetext#1}##1}%
8973 \@namedef{\footgroup#1}{\@nameuse{\@fivecol@footgroup#1}}%
8974 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfivecol@footgroup#1}}%
8975 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8976 \expandafter\count\csname footins#1\endcsname=500\relax}
8977 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
8978 \bidi@namelongdef{\@fivecolfootnotetext#1}##1{%
8979 \insert\@nameuse{footins#1}{%
8980 \def\baselinestretch{\m@m@footnote@spacing}%
8981 \reset@font\@nameuse{foottextfont#1}%
8982 \@preamfntext
8983 \protected@edef\@currentlabel{%
8984 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%

```



```

8985 \color@begingroup
8986 \nameuse{@fivecolfootfmt#1}{##1}%
8987 \color@endgroup}%
8988 \mmf@prepare}}
8989 \bidi@ensure@newcommand{\make@mpfivecolfootnotetext}[1]{%
8990 \bidi@namelongdef{\mpfivecolfootnotetext#1}{##1}%
8991 \global\setbox\nameuse{@mpfootins#1}\vbox{%
8992 \unvbox\nameuse{@mpfootins#1}
8993 \def\baselinestretch{\m@footnote@spacing}%
8994 \reset@font\nameuse{foottextfont#1}%
8995 \hsize\columnwidth \@parboxrestore
8996 \protected@edef\currentlabel{%
8997 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
8998 \color@begingroup
8999 \nameuse{@fivecolfootfmt#1}{##1}%
9000 \color@endgroup}\mmf@prepare}}
9001 \bidi@ensure@newcommand{\make@fivecolfootfmt}[1]{%
9002 \@namedef{@fivecolfootfmt#1}{##1}%
9003 \@preamfivefmt
9004 {\nameuse{footfootmark#1}\strut
9005 {\nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
9006 \bidi@ensure@newcommand{\make@fivecol@footgroup}[1]{%
9007 \@namedef{@fivecol@footgroup#1}{%
9008 \def\baselinestretch{\m@footnote@spacing}%
9009 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9010 \m@r@rigidbalance{\nameuse{footins#1}}{5}{\splittopskip}}}%
9011 \bidi@ensure@newcommand{\make@mpfivecol@footgroup}[1]{%
9012 \@namedef{@mpfivecol@footgroup#1}{%
9013 \def\baselinestretch{\m@footnote@spacing}%
9014 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9015 \m@r@rigidbalance{\nameuse{@mpfootins#1}}{5}{\splittopskip}}}%
9016 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
9017 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9018 \@bidi@before@Hy@hyperfootnotes
9019 \let\@footnotetext\@sixcolfootnotetext
9020 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
9021 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
9022 \dimen\footinsv@r=6\footinsdim
9023 \count\footinsv@r=166\relax
9024 \make@sixcol@footgroup{v@r}%
9025 \let\@footgroupv@r\@sixcol@footgroupv@r
9026 \let\@mpfootnotetext\@mpsixcolfootnotetext
9027 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
9028 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
9029 \@bidi@after@Hy@hyperfootnotes
9030 \make@mpsixcol@footgroup{v@r}%
9031 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
9032 \bidi@ensure@newcommand{@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9033 \def\baselinestretch{\m@footnote@spacing}%
9034 \reset@font\foottextfont

```



```

9035 \@preamfntext
9036 \protected@edef\@currentlabel{%
9037   \csname p@footnote\endcsname\@thefnmark}%
9038 \color@begingroup
9039   \@sixcolfootfmt{#1}%
9040 \color@endgroup}%
9041 \m@mmf@prepare}
9042 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9043   \def\baselinestretch{\m@m@footnote@spacing}%
9044   \reset@font\LTRfoottextfont
9045   \@preamfntext
9046   \protected@edef\@currentlabel{%
9047     \csname p@footnote\endcsname\@thefnmark}%
9048   \color@begingroup
9049     \@sixcolLTRfootfmt{#1}%
9050   \color@endgroup}%
9051   \m@mmf@prepare}
9052 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9053   \def\baselinestretch{\m@m@footnote@spacing}%
9054   \reset@font\RTLfoottextfont
9055   \@preamfntext
9056   \protected@edef\@currentlabel{%
9057     \csname p@footnote\endcsname\@thefnmark}%
9058   \color@begingroup
9059     \@sixcolRTLfootfmt{#1}%
9060   \color@endgroup}%
9061   \m@mmf@prepare}
9062 \bidi@ensure@newcommand{\@preamsixfmt}{%
9063   \hsize .16\hsize
9064   \parindent=\z@
9065   \tolerance=5000\relax
9066   \leavevmode}
9067 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
9068   \@preamsixfmt
9069   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9070 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
9071   \@preamsixfmt
9072   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9073 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
9074   \@preamsixfmt
9075   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9076 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
9077   \global\setbox\@mpfootinsv@r\vbox{%
9078     \unvbox\@mpfootinsv@r
9079     \def\baselinestretch{\m@m@footnote@spacing}%
9080     \reset@font\foottextfont
9081     \hsize\columnwidth \@parboxrestore
9082     \protected@edef\@currentlabel{%
9083       \csname p@mpfootnote\endcsname\@thefnmark}%
9084     \color@begingroup

```



```

g085 \sixcolfootfmt{#1}%
g086 \color@endgroup}%
g087 \m@mmf@prepare}
g088 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
g089 \global\setbox\@mpfootinsv@r\vbox{%
g090 \unvbox\@mpfootinsv@r
g091 \def\baselinestretch{\m@m@footnote@spacing}%
g092 \reset@font\LTRfoottextfont
g093 \hsize\columnwidth \@parboxrestore
g094 \if@RTLcolumnfootnotes\beginL\fi
g095 \protected@edef\@currentlabel{%
g096 \csname p@mpfootnote\endcsname\@thefnmark}%
g097 \color@begingroup
g098 \sixcolLTRfootfmt{#1}%
g099 \color@endgroup}%
g100 \m@mmf@prepare}
g101 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
g102 \global\setbox\@mpfootinsv@r\vbox{%
g103 \unvbox\@mpfootinsv@r
g104 \def\baselinestretch{\m@m@footnote@spacing}%
g105 \reset@font\RTLfoottextfont
g106 \hsize\columnwidth \@parboxrestore
g107 \protected@edef\@currentlabel{%
g108 \csname p@mpfootnote\endcsname\@thefnmark}%
g109 \color@begingroup
g110 \sixcolRTLfootfmt{#1}%
g111 \color@endgroup}%
g112 \m@mmf@prepare}
g113 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
g114 \m@make@sixcolfootnotetext{#1}%
g115 \m@make@mpsixcolfootnotetext{#1}%
g116 \m@make@sixcolfootfmt{#1}%
g117 \m@make@sixcol@footgroup{#1}%
g118 \m@make@mpsixcol@footgroup{#1}%
g119 \m@make@footstart{#1}%
g120 \bidi@namelongdef{\@footnotetext#1}##1{%
g121 \@nameuse{\@sixcolfootnotetext#1}{##1}}%
g122 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
g123 \@nameuse{\@mpsixcolfootnotetext#1}{##1}}%
g124 \@namedef{\@footgroup#1}{\@nameuse{\@sixcol@footgroup#1}}%
g125 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mpsixcol@footgroup#1}}%
g126 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
g127 \expandafter\count\csname footins#1\endcsname=500\relax}
g128 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
g129 \bidi@namelongdef{\@sixcolfootnotetext#1}##1{%
g130 \insert\@nameuse{\footins#1}{%
g131 \def\baselinestretch{\m@m@footnote@spacing}%
g132 \reset@font\@nameuse{\foottextfont#1}%
g133 \@preamfntext
g134 \protected@edef\@currentlabel{%

```



```

9135 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9136 \color@begingroup
9137 \nameuse{@sixcolfootfmt#1}{##1}%
9138 \color@endgroup}%
9139 \m@mmf@prepare}}
9140 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
9141 \bidi@namelongdef{\mpsixcolfootnotetext#1}##1{%
9142 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9143 \unvbox\@nameuse{@mpfootins#1}
9144 \def\baselinestretch{\m@m@footnote@spacing}%
9145 \reset@font\@nameuse{foottextfont#1}%
9146 \hsize\columnwidth \@parboxrestore
9147 \protected@edef\@currentlabel{%
9148 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9149 \color@begingroup
9150 \nameuse{@sixcolfootfmt#1}{##1}%
9151 \color@endgroup}\m@mmf@prepare}}
9152 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
9153 \namedef{@sixcolfootfmt#1}##1{%
9154 \@preamsixfmt
9155 {\@nameuse{footfootmark#1}\strut
9156 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9157 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9158 \namedef{@sixcol@footgroup#1}{%
9159 \def\baselinestretch{\m@m@footnote@spacing}%
9160 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9161 \m@r@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}
9162 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
9163 \namedef{@mpsixcol@footgroup#1}{%
9164 \def\baselinestretch{\m@m@footnote@spacing}%
9165 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9166 \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}}
9167 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9168 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9169 \@bidi@before@Hy@hyperfootnotes
9170 \let\@footnotetext\@sevendcolfootnotetext
9171 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9172 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9173 \dimen\footinsv@r=7\footinsdim
9174 \count\footinsv@r=142\relax
9175 \m@make@sevendcol@footgroup{v@r}%
9176 \let\@footgroupv@r\@sevendcol@footgroupv@r
9177 \let\@mpfootnotetext\@mpsevendcolfootnotetext
9178 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9179 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9180 \@bidi@after@Hy@hyperfootnotes
9181 \m@make@mpsevendcol@footgroup{v@r}%
9182 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}
9183 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9184 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

g185 \reset@font\foottextfont
g186 \@preamfntext
g187 \protected@edef\@currentlabel{%
g188   \csname p@footnote\endcsname\@thefnmark}%
g189 \color@begingroup
g190   \@sevendcolfootfmt{#1}%
g191 \color@endgroup}%
g192 \m@mmf@prepare}
g193 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
g194   \def\baselinestretch{\m@m@footnote@spacing}%
g195   \reset@font\LTRfoottextfont
g196   \@preamfntext
g197   \protected@edef\@currentlabel{%
g198     \csname p@footnote\endcsname\@thefnmark}%
g199   \color@begingroup
g200     \@sevendcolLTRfootfmt{#1}%
g201   \color@endgroup}%
g202   \m@mmf@prepare}
g203 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
g204   \def\baselinestretch{\m@m@footnote@spacing}%
g205   \reset@font\RTLfoottextfont
g206   \@preamfntext
g207   \protected@edef\@currentlabel{%
g208     \csname p@footnote\endcsname\@thefnmark}%
g209   \color@begingroup
g210     \@sevendcolRTLfootfmt{#1}%
g211   \color@endgroup}%
g212   \m@mmf@prepare}
g213 \bidi@ensure@newcommand{\@preamsevenfmt}{%
g214   \hsize .142\hsize
g215   \parindent=\z@
g216   \tolerance=5000\relax
g217   \leavevmode}
g218 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
g219   \@preamsevenfmt
g220   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
g221 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
g222   \@preamsevenfmt
g223   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
g224 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
g225   \@preamsevenfmt
g226   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
g227 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse
g228   \global\setbox\@mpfootinsv@r\vbox{%
g229     \unvbox\@mpfootinsv@r
g230     \def\baselinestretch{\m@m@footnote@spacing}%
g231     \reset@font\foottextfont
g232     \hsize\columnwidth \@parboxrestore
g233     \protected@edef\@currentlabel{%
g234       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

9235 \color@begingroup
9236 \sevenscolfootfmt{#1}%
9237 \color@endgroup}%
9238 \m@mmf@prepare}
9239 \bidi@ensure@newcommand{\@mpsevenscolLTRfootnotetext}[1]{\@RTLfalse%
9240 \global\setbox\@mpfootinsv@r\vbox{%
9241 \unvbox\@mpfootinsv@r
9242 \def\baselinestretch{\m@m@footnote@spacing}%
9243 \reset@font\LTRfoottextfont
9244 \hsize\columnwidth \@parboxrestore
9245 \if@RTLcolumnfootnotes\beginL\fi
9246 \protected@edef\@currentlabel{%
9247 \csname p@mpfootnote\endcsname\@thefnmark}%
9248 \color@begingroup
9249 \sevenscolLTRfootfmt{#1}%
9250 \color@endgroup}%
9251 \m@mmf@prepare}
9252 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{\@RTLtrue%
9253 \global\setbox\@mpfootinsv@r\vbox{%
9254 \unvbox\@mpfootinsv@r
9255 \def\baselinestretch{\m@m@footnote@spacing}%
9256 \reset@font\RTLfoottextfont
9257 \hsize\columnwidth \@parboxrestore
9258 \protected@edef\@currentlabel{%
9259 \csname p@mpfootnote\endcsname\@thefnmark}%
9260 \color@begingroup
9261 \sevenscolRTLfootfmt{#1}%
9262 \color@endgroup}%
9263 \m@mmf@prepare}
9264 \bidi@ensure@newcommand{\sevenscolumnfootstyle}[1]{%
9265 \m@make@sevenscolfootnotetext{#1}%
9266 \m@make@mpsevenscolfootnotetext{#1}%
9267 \m@make@sevenscolfootfmt{#1}%
9268 \m@make@sevenscol@footgroup{#1}%
9269 \m@make@mpsevenscol@footgroup{#1}%
9270 \m@make@footstart{#1}%
9271 \bidi@namelongdef{\@footnotetext#1}##1{%
9272 \@nameuse{\sevenscolfootnotetext#1}{##1}}%
9273 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9274 \@nameuse{\mpsevenscolfootnotetext#1}{##1}}%
9275 \@namedef{\@footgroup#1}{\@nameuse{\sevenscol@footgroup#1}}%
9276 \@namedef{\mp@footgroup#1}{\@nameuse{\mpsevenscol@footgroup#1}}%
9277 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9278 \expandafter\count\csname footins#1\endcsname=500\relax}
9279 \bidi@ensure@newcommand{\m@make@sevenscolfootnotetext}[1]{%
9280 \bidi@namelongdef{\sevenscolfootnotetext#1}##1{%
9281 \insert\@nameuse{footins#1}{%
9282 \def\baselinestretch{\m@m@footnote@spacing}%
9283 \reset@font\@nameuse{foottextfont#1}%
9284 \@preamfntext

```




```

9285 \protected@edef\@currentlabel{%
9286 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9287 \color@begingroup
9288 \@nameuse{@sevenscolfootfmt#1}{##1}%
9289 \color@endgroup}%
9290 \m@mmf@prepare}}
9291 \bidi@ensure@newcommand{\m@make@mpsevenscolfootnotetext}[1]{%
9292 \bidi@namelongdef{\mpsevenscolfootnotetext#1}##1{%
9293 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9294 \unvbox\@nameuse{@mpfootins#1}
9295 \def\baselinestretch{\m@m@footnote@spacing}%
9296 \reset@font\@nameuse{foottextfont#1}%
9297 \hsize\columnwidth \@parboxrestore
9298 \protected@edef\@currentlabel{%
9299 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9300 \color@begingroup
9301 \@nameuse{@sevenscolfootfmt#1}{##1}%
9302 \color@endgroup}\m@mmf@prepare}}
9303 \bidi@ensure@newcommand{\m@make@sevenscolfootfmt}[1]{%
9304 \@namedef{@sevenscolfootfmt#1}##1{%
9305 \@preamsevenfmt
9306 {\@nameuse{footfootmark#1}\strut
9307 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9308 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
9309 \@namedef{@sevenscol@footgroup#1}{%
9310 \def\baselinestretch{\m@m@footnote@spacing}%
9311 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9312 \m@r@rigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
9313 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
9314 \@namedef{@mpsevenscol@footgroup#1}{%
9315 \def\baselinestretch{\m@m@footnote@spacing}%
9316 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9317 \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
9318 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9319 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9320 \@bidi@before@Hy@hyperfootnotes
9321 \let\@footnotetext\@eightcolfootnotetext
9322 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9323 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9324 \dimen\footinsv@r=8\footinsdim
9325 \count\footinsv@r=125\relax
9326 \m@make@eightcol@footgroup{v@r}%
9327 \let\@footgroupv@r\@eightcol@footgroupv@r
9328 \let\@mpfootnotetext\@mpeightcolfootnotetext
9329 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9330 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9331 \@bidi@after@Hy@hyperfootnotes
9332 \m@make@mpeightcol@footgroup{v@r}%
9333 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
9334 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr

```



```

9335 \def\baselinestretch{\m@m@footnote@spacing}%
9336 \reset@font\foottextfont
9337 \@preamfntext
9338 \protected@edef\@currentlabel{%
9339   \csname p@footnote\endcsname\@thefnmark}%
9340 \color@begingroup
9341   \@eightcolfootfmt{#1}%
9342 \color@endgroup}%
9343 \m@mmf@prepare}
9344 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9345 \def\baselinestretch{\m@m@footnote@spacing}%
9346 \reset@font\LTRfoottextfont
9347 \@preamfntext
9348 \protected@edef\@currentlabel{%
9349   \csname p@footnote\endcsname\@thefnmark}%
9350 \color@begingroup
9351   \@eightcolLTRfootfmt{#1}%
9352 \color@endgroup}%
9353 \m@mmf@prepare}
9354 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9355 \def\baselinestretch{\m@m@footnote@spacing}%
9356 \reset@font\RTLfoottextfont
9357 \@preamfntext
9358 \protected@edef\@currentlabel{%
9359   \csname p@footnote\endcsname\@thefnmark}%
9360 \color@begingroup
9361   \@eightcolRTLfootfmt{#1}%
9362 \color@endgroup}%
9363 \m@mmf@prepare}
9364 \bidi@ensure@newcommand{\@preameightfmt}{%
9365   \hsize .125\hsize
9366   \parindent=\z@
9367   \tolerance=5000\relax
9368   \leavevmode}
9369 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9370   \@preameightfmt
9371   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9372 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9373   \@preameightfmt
9374   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9375 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9376   \@preameightfmt
9377   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9378 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9379   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9380     \unvbox\@mpfootinsv@r
9381     \def\baselinestretch{\m@m@footnote@spacing}%
9382     \reset@font\foottextfont
9383     \hsize\columnwidth \@parboxrestore
9384     \protected@edef\@currentlabel{%

```



```

9385      \csname p@mpfootnote\endcsname\@thefnmark}%
9386      \color@begingroup
9387      \@eightcolfootfmt{#1}%
9388      \color@endgroup}%
9389      \m@mmf@prepare}
9390 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9391   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9392     \unvbox\@mpfootinsv@r
9393     \def\baselinestretch{\m@m@footnote@spacing}%
9394     \reset@font\LTRfoottextfont
9395     \hsize\columnwidth \@parboxrestore
9396     \if@RTLcolumnfootnotes\beginL\fi
9397     \protected@edef\@currentlabel{%
9398       \csname p@mpfootnote\endcsname\@thefnmark}%
9399     \color@begingroup
9400     \@eightcolLTRfootfmt{#1}%
9401     \color@endgroup}%
9402     \m@mmf@prepare}
9403 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9404   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9405     \unvbox\@mpfootinsv@r
9406     \def\baselinestretch{\m@m@footnote@spacing}%
9407     \reset@font\RTLfoottextfont
9408     \hsize\columnwidth \@parboxrestore
9409     \protected@edef\@currentlabel{%
9410       \csname p@mpfootnote\endcsname\@thefnmark}%
9411     \color@begingroup
9412     \@eightcolRTLfootfmt{#1}%
9413     \color@endgroup}%
9414     \m@mmf@prepare}
9415 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
9416   \m@make@eightcolfootnotetext{#1}%
9417   \m@make@mpeightcolfootnotetext{#1}%
9418   \m@make@eightcolfootfmt{#1}%
9419   \m@make@eightcol@footgroup{#1}%
9420   \m@make@mpeightcol@footgroup{#1}%
9421   \m@make@footstart{#1}%
9422   \bidi@namelongdef{\@footnotetext#1}##1{%
9423     \@nameuse{\@eightcolfootnotetext#1}{##1}}%
9424   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9425     \@nameuse{\@mpeightcolfootnotetext#1}{##1}}%
9426   \@namedef{\@footgroup#1}{\@nameuse{\@eightcol@footgroup#1}}%
9427   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpeightcol@footgroup#1}}%
9428   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9429   \expandafter\count\csname footins#1\endcsname=500\relax}
9430 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9431   \bidi@namelongdef{\@eightcolfootnotetext#1}##1{%
9432     \insert\@nameuse{\footins#1}{%
9433       \def\baselinestretch{\m@m@footnote@spacing}%
9434       \reset@font\@nameuse{\foottextfont#1}%

```



```

9435 \@preamfntext
9436 \protected@edef\@currentlabel{%
9437 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9438 \color@begingroup
9439 \@nameuse{@eightcolfootfmt#1}{##1}%
9440 \color@endgroup}%
9441 \m@mfmf@prepare}}
9442 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
9443 \bidi@namelongdef{@mpeightcolfootnotetext#1}##1{%
9444 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9445 \unvbox\@nameuse{@mpfootins#1}
9446 \def\baselinestretch{\m@m@footnote@spacing}%
9447 \reset@font\@nameuse{foottextfont#1}%
9448 \hsize\columnwidth \@parboxrestore
9449 \protected@edef\@currentlabel{%
9450 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9451 \color@begingroup
9452 \@nameuse{@eightcolfootfmt#1}{##1}%
9453 \color@endgroup}\m@mfmf@prepare}}
9454 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9455 \@namedef{@eightcolfootfmt#1}##1{%
9456 \@preameightfmt
9457 {\@nameuse{footfootmark#1}\strut
9458 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9459 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9460 \@namedef{@eightcol@footgroup#1}{%
9461 \def\baselinestretch{\m@m@footnote@spacing}%
9462 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9463 \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
9464 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
9465 \@namedef{@mpeightcol@footgroup#1}{%
9466 \def\baselinestretch{\m@m@footnote@spacing}%
9467 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9468 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
9469 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
9470 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9471 \@bidi@before@Hy@hyperfootnotes
9472 \let\@footnotetext\@ninecolfootnotetext
9473 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9474 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9475 \dimen\footinsv@r=9\footinsdim
9476 \count\footinsv@r=111\relax
9477 \m@make@ninecol@footgroup{v@r}%
9478 \let\@footgroupv@r\@ninecol@footgroupv@r
9479 \let\@mpfootnotetext\@mpninecolfootnotetext
9480 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9481 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9482 \@bidi@after@Hy@hyperfootnotes
9483 \m@make@mpninecol@footgroup{v@r}%
9484 \let\mp@footgroupv@r\@mpninecol@footgroupv@r}

```



```

9485 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9486 \def\baselinestretch{\m@m@footnote@spacing}%
9487 \reset@font\foottextfont
9488 \@preamfntext
9489 \protected@edef\@currentlabel{%
9490 \csname p@footnote\endcsname\@thefnmark}%
9491 \color@begingroup
9492 \@ninecolfootfmt{#1}%
9493 \color@endgroup}%
9494 \m@mmf@prepare}
9495 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9496 \def\baselinestretch{\m@m@footnote@spacing}%
9497 \reset@font\LTRfoottextfont
9498 \@preamfntext
9499 \protected@edef\@currentlabel{%
9500 \csname p@footnote\endcsname\@thefnmark}%
9501 \color@begingroup
9502 \@ninecolLTRfootfmt{#1}%
9503 \color@endgroup}%
9504 \m@mmf@prepare}
9505 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9506 \def\baselinestretch{\m@m@footnote@spacing}%
9507 \reset@font\RTLfoottextfont
9508 \@preamfntext
9509 \protected@edef\@currentlabel{%
9510 \csname p@footnote\endcsname\@thefnmark}%
9511 \color@begingroup
9512 \@ninecolRTLfootfmt{#1}%
9513 \color@endgroup}%
9514 \m@mmf@prepare}
9515 \bidi@ensure@newcommand{\@preamninefmt}{%
9516 \hspace{.1\hspace}
9517 \parindent=\z@
9518 \tolerance=5000\relax
9519 \leavevmode}
9520 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9521 \@preamninefmt
9522 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9523 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9524 \@preamninefmt
9525 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9526 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9527 \@preamninefmt
9528 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9529 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9530 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9531 \unvbox\@mpfootinsv@r
9532 \def\baselinestretch{\m@m@footnote@spacing}%
9533 \reset@font\foottextfont
9534 \hspace\columnwidth \@parboxrestore

```



```

9535 \protected@edef\@currentlabel{%
9536 \csname p@mpfootnote\endcsname\@thefnmark}%
9537 \color@begingroup
9538 \@ninecolfootfmt{#1}%
9539 \color@endgroup}%
9540 \m@mmf@prepare}
9541 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9542 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9543 \unvbox\@mpfootinsv@r
9544 \def\baselinestretch{\m@m@footnote@spacing}%
9545 \reset@font\LTRfoottextfont
9546 \hsize\columnwidth \@parboxrestore
9547 \if@RTLcolumnfootnotes\beginL\fi
9548 \protected@edef\@currentlabel{%
9549 \csname p@mpfootnote\endcsname\@thefnmark}%
9550 \color@begingroup
9551 \@ninecolLTRfootfmt{#1}%
9552 \color@endgroup}%
9553 \m@mmf@prepare}
9554 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9555 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9556 \unvbox\@mpfootinsv@r
9557 \def\baselinestretch{\m@m@footnote@spacing}%
9558 \reset@font\RTLfoottextfont
9559 \hsize\columnwidth \@parboxrestore
9560 \protected@edef\@currentlabel{%
9561 \csname p@mpfootnote\endcsname\@thefnmark}%
9562 \color@begingroup
9563 \@ninecolRTLfootfmt{#1}%
9564 \color@endgroup}%
9565 \m@mmf@prepare}
9566 \bidi@ensure@newcommand{\@ninecolumnfootstyle}[1]{%
9567 \m@make@ninecolfootnotetext{#1}%
9568 \m@make@mpninecolfootnotetext{#1}%
9569 \m@make@ninecolfootfmt{#1}%
9570 \m@make@ninecol@footgroup{#1}%
9571 \m@make@mpninecol@footgroup{#1}%
9572 \m@make@footstart{#1}%
9573 \bidi@namelongdef{\@footnotetext#1}##1{%
9574 \@nameuse{\@ninecolfootnotetext#1}{##1}}%
9575 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9576 \@nameuse{\@mpninecolfootnotetext#1}{##1}}%
9577 \@namedef{\@footgroup#1}{\@nameuse{\@ninecol@footgroup#1}}%
9578 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpninecol@footgroup#1}}%
9579 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9580 \expandafter\count\csname footins#1\endcsname=500\relax}
9581 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
9582 \bidi@namelongdef{\@ninecolfootnotetext#1}##1{%
9583 \insert\@nameuse{footins#1}{%
9584 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9585 \reset@font\@nameuse{foottextfont#1}%
9586 \@preamfntext
9587 \protected@edef\@currentlabel{%
9588 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9589 \color@begingroup
9590 \@nameuse{@ninecolfootfmt#1}{##1}%
9591 \color@endgroup}%
9592 \m@mmf@prepare}}
9593 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
9594 \bidi@namelongdef{\mpninecolfootnotetext#1}{##1}%
9595 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9596 \unvbox\@nameuse{@mpfootins#1}
9597 \def\baselinestretch{\m@m@footnote@spacing}%
9598 \reset@font\@nameuse{foottextfont#1}%
9599 \hsize\columnwidth \@parboxrestore
9600 \protected@edef\@currentlabel{%
9601 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9602 \color@begingroup
9603 \@nameuse{@ninecolfootfmt#1}{##1}%
9604 \color@endgroup}\m@mmf@prepare}}
9605 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
9606 \@namedef{@ninecolfootfmt#1}{##1}%
9607 \@preamninefmt
9608 {\@nameuse{footfootmark#1}\strut
9609 {\@nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
9610 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
9611 \@namedef{@ninecol@footgroup#1}{%
9612 \def\baselinestretch{\m@m@footnote@spacing}%
9613 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9614 \m@r@rigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}
9615 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
9616 \@namedef{@mpninecol@footgroup#1}{%
9617 \def\baselinestretch{\m@m@footnote@spacing}%
9618 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9619 \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}
9620 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
9621 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9622 \@bidi@before@Hy@hyperfootnotes
9623 \let\@footnotetext\@tencolfootnotetext
9624 \let\@LTRfootnotetext\@tencolLTRfootnotetext
9625 \let\@RTLfootnotetext\@tencolRTLfootnotetext
9626 \dimen\footinsv@r=10\footinsdim
9627 \count\footinsv@r=100\relax
9628 \m@make@tencol@footgroup{v@r}%
9629 \let\@footgroupv@r\@tencol@footgroupv@r
9630 \let\@mpfootnotetext\@mptencolfootnotetext
9631 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
9632 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
9633 \@bidi@after@Hy@hyperfootnotes
9634 \m@make@mptencol@footgroup{v@r}%

```



```

9635 \let\mp@footgroupv@r\@mptencol@footgroupv@r}
9636 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9637 \def\baselinestretch{\m@mm@footnote@spacing}%
9638 \reset@font\foottextfont
9639 \@preamfntext
9640 \protected@edef\@currentlabel{%
9641 \csname p@footnote\endcsname\@thefnmark}%
9642 \color@begingroup
9643 \@tencolfootfmt{#1}%
9644 \color@endgroup}%
9645 \m@mmf@prepare}
9646 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9647 \def\baselinestretch{\m@mm@footnote@spacing}%
9648 \reset@font\LTRfoottextfont
9649 \@preamfntext
9650 \protected@edef\@currentlabel{%
9651 \csname p@footnote\endcsname\@thefnmark}%
9652 \color@begingroup
9653 \@tencolLTRfootfmt{#1}%
9654 \color@endgroup}%
9655 \m@mmf@prepare}
9656 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9657 \def\baselinestretch{\m@mm@footnote@spacing}%
9658 \reset@font\RTLfoottextfont
9659 \@preamfntext
9660 \protected@edef\@currentlabel{%
9661 \csname p@footnote\endcsname\@thefnmark}%
9662 \color@begingroup
9663 \@tencolRTLfootfmt{#1}%
9664 \color@endgroup}%
9665 \m@mmf@prepare}
9666 \bidi@ensure@newcommand{\@preamtenfmt}{%
9667 \hspace{.1\hspace}
9668 \parindent=\z@
9669 \tolerance=5000\relax
9670 \leavevmode}
9671 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
9672 \@preamtenfmt
9673 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9674 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
9675 \@preamtenfmt
9676 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9677 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
9678 \@preamtenfmt
9679 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9680 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
9681 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9682 \unvbox\@mpfootinsv@r
9683 \def\baselinestretch{\m@mm@footnote@spacing}%
9684 \reset@font\foottextfont

```




```

9685 \hsize\columnwidth \@parboxrestore
9686 \protected@edef\@currentlabel{%
9687 \csname p@mpfootnote\endcsname\@thefnmark}%
9688 \color@begingroup
9689 \@tencolfootfmt{#1}%
9690 \color@endgroup}%
9691 \m@mmf@prepare}
9692 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
9693 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9694 \unvbox\@mpfootinsv@r
9695 \def\baselinestretch{\m@m@footnote@spacing}%
9696 \reset@font\LTRfoottextfont
9697 \hsize\columnwidth \@parboxrestore
9698 \ifRTLcolumnfootnotes\beginL\fi
9699 \protected@edef\@currentlabel{%
9700 \csname p@mpfootnote\endcsname\@thefnmark}%
9701 \color@begingroup
9702 \@tencolLTRfootfmt{#1}%
9703 \color@endgroup}%
9704 \m@mmf@prepare}
9705 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
9706 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9707 \unvbox\@mpfootinsv@r
9708 \def\baselinestretch{\m@m@footnote@spacing}%
9709 \reset@font\RTLfoottextfont
9710 \hsize\columnwidth \@parboxrestore
9711 \protected@edef\@currentlabel{%
9712 \csname p@mpfootnote\endcsname\@thefnmark}%
9713 \color@begingroup
9714 \@tencolRTLfootfmt{#1}%
9715 \color@endgroup}%
9716 \m@mmf@prepare}
9717 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
9718 \m@make@tencolfootnotetext{#1}%
9719 \m@make@mptencolfootnotetext{#1}%
9720 \m@make@tencolfootfmt{#1}%
9721 \m@make@tencol@footgroup{#1}%
9722 \m@make@mptencol@footgroup{#1}%
9723 \m@make@footstart{#1}%
9724 \bidi@namelongdef{\footnotetext#1}##1{%
9725 \@nameuse{\tencolfootnotetext#1}{##1}}%
9726 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9727 \@nameuse{\mptencolfootnotetext#1}{##1}}%
9728 \@namedef{\@footgroup#1}{\@nameuse{\tencol@footgroup#1}}%
9729 \@namedef{\mp@footgroup#1}{\@nameuse{\mptencol@footgroup#1}}%
9730 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9731 \expandafter\count\csname footins#1\endcsname=500\relax}
9732 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
9733 \bidi@namelongdef{\tencolfootnotetext#1}##1{%
9734 \insert\@nameuse{footins#1}{%

```



```

9735 \def\baselinestretch{\m@m@footnote@spacing}%
9736 \reset@font\@nameuse{foottextfont#1}%
9737 \@preamfntext
9738 \protected@edef\@currentlabel{%
9739 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9740 \color@begingroup
9741 \@nameuse{@tencolfootfmt#1}{##1}%
9742 \color@endgroup}%
9743 \m@mmf@prepare}}
9744 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
9745 \bidi@namelongdef{@mptencolfootnotetext#1}##1{%
9746 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9747 \unvbox\@nameuse{@mpfootins#1}
9748 \def\baselinestretch{\m@m@footnote@spacing}%
9749 \reset@font\@nameuse{foottextfont#1}%
9750 \hsize\columnwidth \@parboxrestore
9751 \protected@edef\@currentlabel{%
9752 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9753 \color@begingroup
9754 \@nameuse{@tencolfootfmt#1}{##1}%
9755 \color@endgroup}\m@mmf@prepare}}
9756 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
9757 \@namedef{@tencolfootfmt#1}##1{%
9758 \@preamtenfmt
9759 {\@nameuse{footfootmark#1}\strut
9760 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9761 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
9762 \@namedef{@tencol@footgroup#1}{%
9763 \def\baselinestretch{\m@m@footnote@spacing}%
9764 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9765 \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
9766 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
9767 \@namedef{@mptencol@footgroup#1}{%
9768 \def\baselinestretch{\m@m@footnote@spacing}%
9769 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9770 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
9771 \bidi@ensure@newcommand{\m@m@munvxh}[1]{%
9772 \setbox0=\vbox{\unvbox#1%
9773 \global\setbox1=\lastbox}%
9774 \unhbox1
9775 \unskip
9776 \unskip
9777 \unpenalty
9778 \hskip\m@mipn@skip}
9779 \bidi@ensure@newcommand{\m@m@ungebox}{%
9780 \setbox0=\hbox{\m@m@munvxh0}%
9781 \dp0=\z@
9782 \ht0=\footfudgefactor\wd0
9783 \box0
9784 \penalty0}

```



```

9785 \newskip\m@mipn@skip
9786 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
9787   {\foottextfont\global\m@mipn@skip=#1\relax}}
9788 \m@minterparanoteglue{1em plus.4em minus.4em}
9789 \@ifpackageloaded{multicol}{%
9790 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9791   \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9792   \hsize\textwidth%
9793   \setbox0=\hbox{}}%
9794   \loop
9795     \unpenalty
9796     \setbox2=\lastbox
9797     \ifhbox2
9798       \setbox0=\hbox{\box2\unhbox0}
9799     \repeat}
9800 }{%
9801 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9802   \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9803   \setbox0=\hbox{}}%
9804   \loop
9805     \unpenalty
9806     \setbox2=\lastbox
9807     \ifhbox2
9808       \setbox0=\hbox{\box2\unhbox0}
9809     \repeat}}
9810 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
9811   \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
9812 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
9813 \bidi@ensure@newcommand{\paragraphfootnotes}{%
9814   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9815   \@bidi@before@Hy@hyperfootnotes
9816   \let\@footnotetext\@parafootnotetext
9817   \let\@LTRfootnotetext\@paraLTRfootnotetext
9818   \let\@RTLfootnotetext\@paraRTLfootnotetext
9819   \dimen\footinsv@r=\footinsdim
9820   \count\footinsv@r=1000\relax
9821   \m@make@para@footgroup{v@r}%
9822   \let\@footgroupv@r\@para@footgroupv@r
9823   \let\@mpfootnotetext\@mpparafootnotetext
9824   \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
9825   \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
9826   \@bidi@after@Hy@hyperfootnotes
9827   \m@make@mppara@footgroup{v@r}%
9828   \let\mp@footgroupv@r\@mppara@footgroupv@r
9829   \begingroup
9830   \def\baselinestretch{\m@m@footnote@spacing}%
9831   \foottextfont
9832   \@tempdima\normalbaselineskip
9833   \multiply \@tempdima \@ccclvi
9834   \@tempdimb \columnwidth

```



```

9835 \divide \@tempdimb \@cclvi
9836 \divide \@tempdima \@tempdimb
9837 \xdef\footfudgefactor{\strip@pt\@tempdima}%
9838 \endgroup
9839 }
9840 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
9841 \let\bidi@RTL@everypar\@empty%
9842 \def\baselinestretch{\m@m@footnote@spacing}%
9843 \reset@font\foottextfont
9844 \@preamfntext
9845 \protected@edef\@currentlabel{%
9846 \csname p@footnote\endcsname\@thefnmark}%
9847 \setbox0=\vbox{\hsize=\maxdimen
9848 \color@begingroup
9849 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9850 \color@endgroup}%
9851 \m@mungebox}\m@mmf@prepare}
9852 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
9853 \let\bidi@RTL@everypar\@empty%
9854 \def\baselinestretch{\m@m@footnote@spacing}%
9855 \reset@font\LTRfoottextfont
9856 \@preamfntext
9857 \protected@edef\@currentlabel{%
9858 \csname p@footnote\endcsname\@thefnmark}%
9859 \setbox0=\vbox{\hsize=\maxdimen
9860 \color@begingroup
9861 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9862 \color@endgroup}%
9863 \m@mungebox}\m@mmf@prepare}
9864 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
9865 \let\bidi@RTL@everypar\@empty%
9866 \def\baselinestretch{\m@m@footnote@spacing}%
9867 \reset@font\RTLfoottextfont
9868 \@preamfntext
9869 \protected@edef\@currentlabel{%
9870 \csname p@footnote\endcsname\@thefnmark}%
9871 \setbox0=\vbox{\hsize=\maxdimen
9872 \color@begingroup
9873 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9874 \color@endgroup}%
9875 \m@mungebox}\m@mmf@prepare}
9876 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
9877 \parindent=\z@
9878 \parfillskip=0pt \@plus 1fil
9879 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
9880 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
9881 \parindent=\z@
9882 \parfillskip=0pt \@plus 1fil
9883 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
9884 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%

```



```

9885 \parindent=\z@
9886 \parfillskip=0pt \@plus 1fil
9887 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
9888 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
9889 \global\setbox\@mpfootinsv@r\vbox{%
9890 \let\bidi@RTL@everypar\@empty%
9891 \def\baselinestretch{\m@m@footnote@spacing}%
9892 \unvbox\@mpfootinsv@r
9893 \reset@font\foottextfont
9894 \hsize\columnwidth \@parboxrestore
9895 \protected@edef\@currentlabel{%
9896 \csname p@mpfootnote\endcsname\@thefnmark}%
9897 \setbox0=\vbox{\hsize=\maxdimen
9898 \color@begingroup
9899 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else\beginL\fi}%
9900 \color@endgroup}%
9901 \m@mungebox}\m@mmf@prepare}
9902 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
9903 \global\setbox\@mpfootinsv@r\vbox{%
9904 \let\bidi@RTL@everypar\@empty%
9905 \def\baselinestretch{\m@m@footnote@spacing}%
9906 \unvbox\@mpfootinsv@r
9907 \reset@font\LTRfoottextfont
9908 \hsize\columnwidth \@parboxrestore
9909 \protected@edef\@currentlabel{%
9910 \csname p@mpfootnote\endcsname\@thefnmark}%
9911 \setbox0=\vbox{\hsize=\maxdimen
9912 \color@begingroup
9913 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9914 \color@endgroup}%
9915 \m@mungebox}\m@mmf@prepare}
9916 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
9917 \global\setbox\@mpfootinsv@r\vbox{%
9918 \let\bidi@RTL@everypar\@empty%
9919 \def\baselinestretch{\m@m@footnote@spacing}%
9920 \unvbox\@mpfootinsv@r
9921 \reset@font\RTLfoottextfont
9922 \hsize\columnwidth \@parboxrestore
9923 \protected@edef\@currentlabel{%
9924 \csname p@mpfootnote\endcsname\@thefnmark}%
9925 \setbox0=\vbox{\hsize=\maxdimen
9926 \color@begingroup
9927 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9928 \color@endgroup}%
9929 \m@mungebox}\m@mmf@prepare}
9930 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
9931 \m@make@parafootnotetext{#1}%
9932 \m@make@mpparafootnotetext{#1}%
9933 \m@make@parafootfmt{#1}%
9934 \m@make@para@footgroup{#1}%

```



```

9935 \m@make@mppara@footgroup{#1}%
9936 \m@make@para@footstart{#1}%
9937 \bidi@namelongdef{@footnotetext#1}##1{%
9938   \@nameuse{@parafootnotetext#1}{##1}}%
9939 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9940   \@nameuse{@mpparafootnotetext#1}{##1}}%
9941 \@namedef{@footgroup#1}{\@nameuse{@para@footgroup#1}}%
9942 \@namedef{@mp@footgroup#1}{\@nameuse{@mppara@footgroup#1}}%
9943 \@namedef{@footstart#1}{\@nameuse{@para@footstart#1}}%
9944 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
9945 \expandafter\count\csname footins#1\endcsname=1000\relax
9946 \begingroup
9947 \def\baselinestretch{\m@m@footnote@spacing}%
9948 \@nameuse{foottextfont#1}%
9949 \@tempdima\normalbaselineskip
9950 \multiply \@tempdima \@cclvi
9951 \@tempdimb \columnwidth
9952 \divide \@tempdimb \@cclvi
9953 \divide \@tempdima \@tempdimb
9954 \xdef\footfudgefactor{\strip@pt\@tempdima}%
9955 \endgroup
9956 }
9957 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
9958 \bidi@namelongdef{@parafootnotetext#1}##1{%
9959   \insert\@nameuse{footins#1}{
9960     \def\baselinestretch{\m@m@footnote@spacing}%
9961     \reset@font\@nameuse{foottextfont#1}%
9962     \@preamfntext
9963     \protected@edef\@currentlabel{%
9964       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9965     \setbox0=\vbox{\hsize=\maxdimen
9966       \color@begingroup
9967         \noindent \@nameuse{@parafootfmt#1}{##1}%
9968       \color@endgroup}%
9969     \m@mungebox}\m@mmf@prepare}}
9970 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
9971 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
9972   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9973     \unvbox\@nameuse{@mpfootins#1}
9974     \def\baselinestretch{\m@m@footnote@spacing}%
9975     \reset@font\@nameuse{foottextfont#1}%
9976     \hsize\columnwidth \@parboxrestore
9977     \protected@edef\@currentlabel{%
9978       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9979     \setbox0=\vbox{\hsize=\maxdimen
9980       \color@begingroup
9981         \noindent \@nameuse{@parafootfmt#1}{##1}%
9982       \color@endgroup}%
9983     \m@mungebox}\m@mmf@prepare}}
9984 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%

```



```

9985 \bidi@namelongdef{@parafootfmt#1}##1{%
9986   \parindent=\z@
9987   \parfillskip=0pt \@plus 1fil
9988   {\@nameuse{footfootmark#1}\strut
9989     {\@nameuse{foottextfont#1}##1}\penalty-10}}
9990 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
9991   \@namedef{@para@footgroup#1}{%
9992     \unvbox\@nameuse{footins#1}
9993     \m@mmakehboxofhboxes
9994     \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9995     \@parboxrestore%
9996     \def\baselinestretch{\m@m@footnote@spacing}%
9997     \@nameuse{foottextfont#1}%
9998     \noindent\unhbox0\par}}
9999 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
10000 \@namedef{@mppara@footgroup#1}{%
10001   \unvbox\@nameuse{mpfootins#1}
10002   \m@mmakehboxofhboxes
10003   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10004   \def\baselinestretch{\m@m@footnote@spacing}%
10005   \@nameuse{foottextfont#1}%
10006   \noindent\unhbox0\par}}
10007 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
10008 \@namedef{@para@footstart#1}{%
10009   \vskip\bigskipamount
10010   \leftskip=\z@
10011   \rightskip=\z@
10012   \parindent=\z@
10013   \vskip\skip\@nameuse{footins#1}%
10014   \footnoterule}}
10015 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
10016   \xdef\@freelist{\@freelist\@midlist}%
10017   \global\let\@midlist\@empty
10018   \@combinefloats}
10019 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
10020   \ifvbox\@kludgeins
10021     \@makespecialcolbox
10022   \else
10023     \setbox\@outputbox \vbox to\@colht{%
10024       \@texttop
10025       \dimen@ \dp\@outputbox
10026       \unvbox \@outputbox
10027       \vskip -\dimen@
10028       \@textbottom}%
10029   \fi}
10030 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
10031 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
10032   \boxmaxdepth\@maxdepth
10033   \@tempdima\dp\@cclv
10034   \unvbox\@cclv

```



```

10035 \vskip-\@tempdima
10036 \bidi@mopfn@bottom
10037 \vskip \skip\footins
10038 \color@begingroup
10039 \normalcolor
10040 \footnoterule
10041 \unvbox \footins
10042 \color@endgroup}}
10043 \newcommand*{\bidi@mopfootnotebf}{%
10044 \setbox\@outputbox \vbox{%
10045 \boxmaxdepth\@maxdepth
10046 \unvbox\@outputbox
10047 \bidi@mopfn@bottom
10048 \vskip\skip\footins
10049 \color@begingroup
10050 \normalcolor
10051 \footnoterule
10052 \unvbox \footins
10053 \color@endgroup}}
10054 \gdef\mem@makecol{%
10055 \m@m@makecolintro
10056 \ifvoid\footins
10057 \setbox\@outputbox \box\@cclv
10058 \else
10059 \m@mopfootnote
10060 \fi
10061 \m@mdoextrafeet
10062 \m@m@makecolfloats
10063 \m@m@makecoltext
10064 \global \maxdepth \@maxdepth}
10065 \gdef\bidi@makecolbf{%
10066 \m@m@makecolintro
10067 \setbox\@outputbox \box\@cclv
10068 \m@m@makecolfloats
10069 \ifvoid\footins
10070 \else
10071 \bidi@mopfootnotebf
10072 \fi
10073 \m@mdoextrafeet
10074 \m@m@makecoltext
10075 \global \maxdepth \@maxdepth}
10076 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10077 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10078 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
10079 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
10080 \FeetAboveFloat
10081 \FeetBelowRagged

```

7.55 extreport-xetex-bidi.def




```

10082 \ProvidesFile{extreport-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extreport class
10083 \renewcommand*\l@part[2]{%
10084   \ifnum \c@tocdepth >-2\relax
10085     \addpenalty{-\@highpenalty}%
10086     \addvspace{2.25em \@plus\p@}%
10087     \begingroup
10088       \setlength\@tempdima{3em}%
10089       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10090       \parfillskip -\@pnumwidth
10091       {\leavevmode
10092         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10093       \nobreak
10094       \global\@nbreaktrue
10095       \everypar{\global\@nbreakfalse\everypar{}}%
10096     \endgroup
10097   \fi}
10098 \renewcommand*\l@chapter[2]{%
10099   \ifnum \c@tocdepth >\m@ne
10100     \addpenalty{-\@highpenalty}%
10101     \vskip 1.0em \@plus\p@
10102     \setlength\@tempdima{1.5em}%
10103     \begingroup
10104       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10105       \parfillskip -\@pnumwidth
10106       \leavevmode \bfseries
10107       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
10108       \hskip -\if@RTL\rightskip\else\leftskip\fi
10109       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10110       \penalty\@highpenalty
10111     \endgroup
10112   \fi}
10113 \def\@makechapterhead#1{%
10114   \vspace*{50\p@}%
10115   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10116     \ifnum \c@secnumdepth >\m@ne
10117       \huge\bfseries \@chapapp\space \thechapter
10118       \par\nobreak
10119       \vskip 20\p@
10120     \fi
10121     \interlinepenalty\@M
10122     \Huge \bfseries #1\par\nobreak
10123     \vskip 40\p@
10124   }}
10125 \def\@makeschapterhead#1{%
10126   \vspace*{50\p@}%
10127   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10128     \normalfont
10129     \interlinepenalty\@M
10130     \Huge \bfseries #1\par\nobreak
10131     \vskip 40\p@

```



```

10132 }}
10133 \renewcommand\left@footnoterule{%
10134 \kern-3\p@
10135 \hrule\@width.4\columnwidth
10136 \kern2.6\p@}
10137 \renewcommand\right@footnoterule{%
10138 \kern-3\p@
10139 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10140 \kern2.6\p@}
10141 \renewenvironment{thebibliography}[1]
10142 {\chapter*{\bibname
10143 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10144 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
10145 \list{\@biblabel{\@arabic\c@enumiv}}%
10146 {\settowidth\labelwidth{\@biblabel{#1}}%
10147 \leftmargin\labelwidth
10148 \advance\leftmargin\labelsep
10149 \@openbib@code
10150 \usecounter{enumiv}%
10151 \let\p@enumiv\@empty
10152 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10153 \sloppy\clubpenalty4000\widowpenalty4000%
10154 \sfcode\.\@m}
10155 {\def\@noitemerr
10156 {\@latex@warning{Empty `thebibliography' environment}}%
10157 \endlist}
10158 \if@titlepage
10159 \renewcommand\maketitle{\begin{titlepage}%
10160 \let\footnotesize\small
10161 \let\right@footnoterule\relax
10162 \let\left@footnoterule\relax
10163 \let\textwidth\footnoterule\relax
10164 \let \footnote \thanks
10165 \null\vfil
10166 \vskip 60\p@
10167 \begin{center}%
10168 {\LARGE \@title \par}%
10169 \vskip 3em%
10170 {\large
10171 \lineskip .75em%
10172 \begin{tabular}[t]{c}%
10173 \@author
10174 \end{tabular}\par}%
10175 \vskip 1.5em%
10176 {\large \@date \par}% % Set date in \large size.
10177 \end{center}\par
10178 \@thanks
10179 \vfil\null
10180 \end{titlepage}%
10181 \setcounter{footnote}{0}%

```



```

10182 \global\let\thanks\relax
10183 \global\let\maketitle\relax
10184 \global\let\@thanks\@empty
10185 \global\let\@author\@empty
10186 \global\let\@date\@empty
10187 \global\let\@title\@empty
10188 \global\let\title\relax
10189 \global\let\author\relax
10190 \global\let\date\relax
10191 \global\let\and\relax
10192 }
10193 \else
10194 \renewcommand\maketitle{\par
10195   \begin{group}
10196     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10197     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10198     \long\def\@makefntext##1{\parindent 1em\noindent
10199       \hb@xt@1.8em{%
10200         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10201     \if@twocolumn
10202       \ifnum \col@number=\@ne
10203         \@maketitle
10204       \else
10205         \twocolumn[\@maketitle]%
10206       \fi
10207     \else
10208       \newpage
10209       \global\@topnum\z@ % Prevents figures from going at top of page.
10210       \@maketitle
10211     \fi
10212     \thispagestyle{plain}\@thanks
10213   \end{group}
10214   \setcounter{footnote}{0}%
10215   \global\let\thanks\relax
10216   \global\let\maketitle\relax
10217   \global\let\@maketitle\relax
10218   \global\let\@thanks\@empty
10219   \global\let\@author\@empty
10220   \global\let\@date\@empty
10221   \global\let\@title\@empty
10222   \global\let\title\relax
10223   \global\let\author\relax
10224   \global\let\date\relax
10225   \global\let\and\relax
10226 }
10227 \def\@maketitle{%
10228   \newpage
10229   \null
10230   \vskip 2em%
10231   \begin{center}%

```



```

10232 \let \footnote \thanks
10233     {\LARGE \@title \par}%
10234     \vskip 1.5em%
10235     {\large
10236       \lineskip .5em%
10237       \begin{tabular}[t]{c}%
10238         \@author
10239       \end{tabular}\par}%
10240     \vskip 1em%
10241     {\large \@date}%
10242 \end{center}%
10243 \par
10244 \vskip 1.5em}
10245 \fi
10246 \renewcommand\thesection    {\thechapter\@SepMark\@arabic\c@section}
10247 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10248 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10249 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10250 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10251 \renewcommand\theequation{%
10252   \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10253 \renewcommand\thefigure{%
10254   \ifnum \c@chapter>z@\thechapter\@SepMark\fi \@arabic\c@figure}
10255 \renewcommand\thetable{%
10256   \ifnum \c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@table}

```

7.56 fancybox-xetex-bidi.def

```

10257 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
10258 \def\fancy@oval#1#2#3{%
10259   \boxmaxdepth \maxdimen
10260   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10261   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10262   \@ovxx#1\relax
10263   \advance\@ovxx-\@wholewidth
10264   \@ovyy#2\relax
10265   \advance\@ovyy-\@wholewidth
10266   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
10267   \advance\@tempdimb-2\p@
10268   \ifdim\@tempdimb>\the@cornersize\relax
10269     \@tempdimb=\the@cornersize
10270   \fi
10271   \@getcirc\@tempdimb
10272   \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10273   \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10274   \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10275   \@circlefnt
10276   \setbox\@tempboxa\hbox{\beginL%
10277     \if@ovr \@ovvert32\kern -\@tempdima \fi
10278     \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi

```



```

10279 \if@ovt \@ovhorz \kern -\@ovxx \fi
10280 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10281 \advance\@ovdx\@ovro
10282 \advance\@ovdy\@ovro
10283 \advance\@ovxx\@wholewidth
10284 \wd\@tempboxa=\@ovxx
10285 \dp\@tempboxa=\z@}

```

7.57 fancyhdr-xetex-bidi.def

```

10286 \ProvidesFile{fancyhdr-xetex-bidi.def}[2016/11/30 v0.6 bidi adaptations for fancyhdr package]
10287
10288 \let\fnch@everypar\everypar%
10289
10290 \def\@fancyhead#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset
10291 \@fancyvbox\headheight{\hbox
10292 {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10293 \parbox[b]{\headwidth}{\centering#3}\hfill
10294 \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}\headrule}}#5}
10295
10296 \def\@fancyfoot#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset
10297 \@fancyvbox\footskip{\footrule
10298 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10299 \parbox[t]{\headwidth}{\centering#3}\hfill
10300 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}}#5}
10301

```

7.58 fix2col-xetex-bidi.def

```

10302 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
10303 \def\RTL@outputdblcol{%
10304 \if@firstcolumn
10305 \global\@firstcolumnfalse
10306 \global\setbox\@leftcolumn\copy\@outputbox
10307 \splitmaxdepth\maxdimen
10308 \vbadness\maxdimen
10309 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10310 \toks@\expandafter{\topmark}%
10311 \xdef\@firstcoltopmark{\the\toks@}%
10312 \toks@\expandafter{\splitfirstmark}%
10313 \xdef\@firstcolfirstmark{\the\toks@}%
10314 \ifx\@firstcolfirstmark\@empty
10315 \global\let\@setmarks\relax
10316 \else
10317 \gdef\@setmarks{%
10318 \let\firstmark\@firstcolfirstmark
10319 \let\topmark\@firstcoltopmark}%
10320 \fi
10321 \else \global\@firstcolumntrue
10322 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10323 \hskip \columnwidth

```



```

10324 \hfil \vrule width\columnseprule \hfil
10325 \hbox to\columnwidth {%
10326 \bidi@firstcolumn@status@write%
10327 \box\@leftcolumn \hss}%
10328 \hskip -\textwidth
10329 \hbox to\columnwidth{%
10330 \bidi@lastcolumn@status@write%
10331 \box\@outputbox \hss}%
10332 \hskip \columnsep
10333 \hskip \columnwidth }}%
10334 \@combinedblfloats \@setmarks \@outputpage
10335 \begingroup \@dblfloatplacement \@startdblcolumn
10336 \@whiles\if@fcolmade \fi
10337 {\@outputpage \@startdblcolumn }\endgroup
10338 \fi}
10339 \def\LTR@outputdblcol{%
10340 \if@firstcolumn
10341 \global\@firstcolumnfalse
10342 \global\setbox\@leftcolumn\copy\@outputbox
10343 \splitmaxdepth\maxdimen
10344 \vbadness\maxdimen
10345 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10346 \toks@\expandafter{\topmark}%
10347 \xdef\@firstcoltopmark{\the\toks@}%
10348 \toks@\expandafter{\splitfirstmark}%
10349 \xdef\@firstcolfirstmark{\the\toks@}%
10350 \ifx\@firstcolfirstmark\@empty
10351 \global\let\@setmarks\relax
10352 \else
10353 \gdef\@setmarks{%
10354 \let\firstmark\@firstcolfirstmark
10355 \let\topmark\@firstcoltopmark}%
10356 \fi
10357 \else
10358 \global\@firstcolumntrue
10359 \setbox\@outputbox\vbox{%
10360 \hb@xt@\textwidth{%
10361 \hb@xt@\columnwidth{%
10362 \bidi@firstcolumn@status@write%
10363 \box\@leftcolumn \hss}%
10364 \hfil
10365 \vrule \@width\columnseprule
10366 \hfil
10367 \hb@xt@\columnwidth{%
10368 \bidi@lastcolumn@status@write%
10369 \box\@outputbox \hss}}}%
10370 \@combinedblfloats
10371 \@setmarks
10372 \@outputpage
10373 \begingroup

```



```

10374 \@dblfloatplacement
10375 \@startdblcolumn
10376 \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
10377 \endgroup
10378 \fi}

```

7.59 fleqn-xetex-bidi.def

```

10379 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX
10380 \renewcommand\[{ \relax
10381 \ifmmode\@badmath
10382 \else
10383 \begin{trivlist}%
10384 \beginparpenalty\predisplaypenalty
10385 \endparpenalty\postdisplaypenalty
10386 \item[]\leavevmode
10387 \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10388 \hskip\mathindent\bgroup
10389 \fi}
10390 \renewcommand\]{ \relax
10391 \ifmmode
10392 \egroup $\hfil% $
10393 \endL\egroup
10394 \end{trivlist}%
10395 \else \@badmath
10396 \fi}
10397 \renewenvironment{equation}%
10398 {\beginparpenalty\predisplaypenalty
10399 \endparpenalty\postdisplaypenalty
10400 \refstepcounter{equation}%
10401 \trivlist \item[]\leavevmode
10402 \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10403 \displaystyle
10404 \hskip\mathindent}%
10405 {\$ \hfil % $
10406 \displaywidth\linewidth\hbox{\@eqnnum}%
10407 \endL\egroup
10408 \endtrivlist}

```

7.60 float-xetex-bidi.def

```

10409 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for Xe
10410 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10411 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10412 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10413 \def\float@newx#1[#2]{\@ifundefined{c#1}{\newcounter{#1}[#2]}%
10414 \expandafter\edef\csname the#1\endcsname{%
10415 \expandafter\noexpand\csname
10416 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10417 {\PackageWarning{float}{Can't redefine counter variable for #1.}}

```



7.61 floatrow-xetex-bidi.def

```
10418 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
10419 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
10420 \expandafter\edef\csname the\FB@captype\endcsname{%
10421 \expandafter\noexpand\csname
10422 the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}
```

7.62 flowfram-xetex-bidi.def

```
10423 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package
10424 \def\@outputdblcol{%
10425 \@nxtcol=\c@thisframe
10426 \c@curpg=\c@page
10427 \@g@tnextcol{\@nxtcol}%
10428 \if@ff@nwpg % next flow frame starts on new page
10429 \global\@firstcolumntrue
10430 \setcolbox\c@thisframe
10431 \if@specialpage
10432 \global\@specialpagefalse
10433 \nameuse{ps@\@specialstyle}\relax
10434 \fi
10435 \if@twoside
10436 \ifodd\count\z@
10437 \let\@thehead\@oddhead
10438 \let\@thefoot\@oddfoot
10439 \else
10440 \let\@thehead\@evenhead
10441 \let\@thefoot\@evenfoot
10442 \fi
10443 \else
10444 \let\@thehead\@oddhead
10445 \let\@thefoot\@oddfoot
10446 \fi
10447 \@beginarvi
10448 \@dynamicthehead\@dynamicthefoot
10449 \vbadness=\@M
10450 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10451 \combinedblfloats
10452 \outputpage
10453 \advance\c@curpg by -\c@page\relax
10454 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10455 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10456 \outputpage}
10457 \begingroup
10458 \dblfloatplacement
10459 \startdblcolumn
10460 \whilesw \if@colmade \fi
10461 {\outputpage \startdblcolumn }\endgroup
10462 \resetst@tics
10463 \resetdyn@tics
```




```

10464 \else % still on same page, save contents of box255
10465   \global\@firstcolumnfalse
10466   \setcolbox\c@thisframe
10467 \fi
10468 \global\c@thisframe=\nxtcol
10469 \@setcol{\c@thisframe}\relax
10470 \global\@colht\vsiz
10471 }
10472 \def\@outputpage{%
10473 \begingroup
10474   \let\protect\noexpand
10475   \@resetactivechars
10476   \global\let\@ifnewlist@ifnewlist
10477   \global\@newlistfalse\@parboxrestore
10478   \shipout\vbox{\set@typeset@protect
10479     \aftergroup
10480     \endgroup
10481     \aftergroup
10482     \set@typeset@protect
10483     \reset@font\normalsize\normalsfcodes
10484     \let\label\@gobble
10485     \let\index\@gobble
10486     \let\glossary\@gobble
10487     \baselineskip\z@skip
10488     \lineskip\z@skip
10489     \lineskiplimit\z@
10490     \vskip\topmargin\moveright\@themargin
10491     \vbox{%
10492       \vskip\headheight
10493       \vskip\headsep
10494       \box\@outputbox
10495     }}%
10496   \global\let@ifnewlist\@ifnewlist
10497   \stepcounter{page}%
10498   \setcounter{displayedframe}{0}%
10499   \let\firstmark\botmark}
10500
10501
10502 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}{%
10503 \expandafter\bidicolor\ff@txtcol}}
10504
10505 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10506 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
10507
10508
10509 \renewcommand*{\@docolbox}[1]{%
10510 \edef\ff@frametype{%
10511 \csname @ff@frametype@\romannumeral#1\endcsname}%
10512 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10513 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%

```



```

10514 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10515 \@ff@setoffset{#1}%
10516 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10517 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
10518 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10519 {\csname colheight\romannumeral#1\endcsname}}{%
10520 \expandafter\box\csname column\romannumeral#1\endcsname}}{%
10521 \csname\ff@frametype\endcsname}%
10522 }{%
10523 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
10524 {\csname colheight\romannumeral#1\endcsname}}{%
10525 \expandafter\box\csname column\romannumeral#1\endcsname}%
10526 }}}
10527 \@ifclassloaded{book}{%
10528 \renewcommand\theequation
10529 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10530 \renewcommand \thefigure
10531 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10532 \renewcommand \thetable
10533 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10534 \renewcommand \thechapter {\@arabic\c@chapter}
10535 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10536 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10537 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10538 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10539 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10540 \@ifclassloaded{report}{%
10541 \renewcommand\theequation
10542 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10543 \renewcommand \thefigure
10544 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10545 \renewcommand \thetable
10546 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10547 \renewcommand \thechapter {\@arabic\c@chapter}
10548 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10549 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10550 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
10551 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10552 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10553 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10554 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
10555 \else
10556 #2\relax
10557 \fi}

```

7.63 footnote-xetex-bidi.def

```

10558 \ProvidesFile{footnote-xetex-bidi.def}[2016/09/09 v1.0 bidi footnote macros for XeTeX engine]
10559 \ifRTLMain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
10560 \newif\ifbidi@autofootnoterule

```



```

10561 \def\ bidi@mpfootnoterule{\footnoterule}
10562 \newcounter{footdir@label}
10563 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
10564 \newcommand*{\footdir@write}{%
10565   \stepcounter{footdir@label}%
10566   \zref@labelbyprops{\thefootdir@label}{abspage}%
10567 }
10568 \newif\iffootdir@debug
10569 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
10570 \newtoks\footdir@toks
10571 \newcommand*{\footdir@debug}[1]{%
10572   \iffootdir@debug
10573     \typeout{[[footdir] #1}%
10574   \fi
10575 }
10576 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
10577 %  \newcommand*{\footdir@LeftRightElse}{%
10578 %    \ltx@ifundefined{footdir@the\value{zabspage}}{%
10579 %      \footdir@debug{abspage \the\value{zabspage}: else}%
10580 %    \ltx@thirdofthree
10581 %    }{%
10582 %      \if\csname footdir@the\value{zabspage}\endcsname L%
10583 %        \footdir@debug{abspage \the\value{zabspage}: left}%
10584 %      \expandafter\ltx@firstofthree
10585 %    \else
10586 %      \footdir@debug{abspage \the\value{zabspage}: right}%
10587 %      \expandafter\ltx@secondofthree
10588 %    \fi
10589 %    }%
10590 %  }%
10591 %}%
10592 \providecommand*{\c@zabspage}{\c@abspage}%
10593 \newcommand*{\footdir@LeftRightElse}{%
10594   \footdir@write
10595   \zifrefundefined{\thefootdir@label}{%
10596     \footdir@debug{abspage ??: else}%
10597     \ltx@thirdofthree
10598   }{%
10599     \edef\footdir@abspage{%
10600       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10601     }%
10602     \ltx@ifundefined{footdir@\footdir@abspage}{%
10603       \footdir@debug{\footdir@abspage: else}%
10604       \ltx@thirdofthree
10605     }{%
10606       \if\csname footdir@\footdir@abspage\endcsname L%
10607         \footdir@debug{\footdir@abspage: left}%
10608       \expandafter\ltx@firstofthree
10609     \else
10610       \footdir@debug{\footdir@abspage: right}%

```



```

10611         \expandafter\ltx@secondofthree
10612         \fi
10613     }%
10614 }%
10615 }%
10616 %}
10617 \newcommand*{\footdir@fntext}[1]{%
10618     \zifrefundefined{\thefootdir@label}{%
10619     }{%
10620         \edef\footdir@name{%
10621             footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
10622         }%
10623         \@ifundefined{\footdir@name}{%
10624             \expandafter\gdef\csname\footdir@name\endcsname{#1}%
10625         }{%
10626         }%
10627     }
10628
10629 \newcommand*{\footdir@temp}[3]{%
10630     \@ifdefinable{#1}{%
10631         \let#1#2%
10632         \renewcommand{#2}[1]{%
10633             \footdir@write
10634             \footdir@fntext{#3}%
10635             \stepcounter{footdir@label}%
10636             \footdir@fntext{#3}%
10637             \footdir@toks{##1}%
10638             \footdir@toks\expandafter{%
10639                 \the\expandafter\footdir@toks
10640                 \expandafter
10641                 \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
10642             }%
10643             \expandafter#1\expandafter{\the\footdir@toks}%
10644         }%
10645     }%
10646 }
10647
10648 \def\right@footnoterule{%
10649     \kern-3\p@
10650     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10651     \kern2.6\p@}
10652 \def\left@footnoterule{\kern-3\p@
10653     \hrule \@width .4\columnwidth \kern 2.6\p@}
10654 \def\textwidth@footnoterule{\kern-3\p@
10655     \hrule \@width \columnwidth \kern 2.6\p@}
10656 \def\leftfootnoterule{%
10657     \bidi@autofootnoterulefalse%
10658     \def\footnoterule{\left@footnoterule}}
10659 \let\LRfootnoterule=\leftfootnoterule
10660 \def\rightfootnoterule{%

```



```

10661 \bidi@autofootnoterulefalse%
10662 \def\footnoterule{\right@footnoterule}}
10663 \def\textwidthfootnoterule{%
10664 \bidi@autofootnoterulefalse%
10665 \def\footnoterule{\textwidth@footnoterule}}
10666
10667
10668
10669 \def\auto@footnoterule{%
10670 \footdir@LeftRightElse%
10671 \left@footnoterule%
10672 \right@footnoterule%
10673 \left@footnoterule%
10674 }
10675
10676
10677
10678 \def\autofootnoterule{%
10679 \bidi@autofootnoteruletrue%
10680 \def\footnoterule{\auto@footnoterule}%
10681 }
10682
10683 \newcommand*\SplitFootnoteRule{%
10684   \gdef\split@prev{0}
10685   \let\pagefootnoterule\footnoterule
10686   \let\mpfootnoterule\footnoterule
10687   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
10688   \def\footnoterule{\relax
10689     \ifx \@listdepth\@mplistdepth
10690       \mpfootnoterule
10691     \else
10692       \ifnum\split@prev=\z@
10693         \pagefootnoterule
10694       \else
10695         \splitfootnoterule
10696       \fi
10697       \xdef\split@prev{\the\insertpenalties}%
10698     \fi
10699   }%
10700 }
10701
10702
10703
10704
10705 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
10706   \protected@xdef\@thefnmark{\thempfn}%
10707   \@footnotemark\@RTLfootnotetext}}
10708 \def\@xRTLfootnote[#1]{%
10709   \begingroup
10710     \csname c@\@mpfn\endcsname #1\relax

```



```

10711     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10712 \endgroup
10713 \@footnotemark\@RTLfootnotetext}
10714 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
10715     \protected@xdef\@thefnmark{\thempfn}%
10716     \@footnotemark\@LTRfootnotetext}}
10717 \def\@xLTRfootnote[#1]{%
10718     \begingroup
10719     \csname c@\@mpfn\endcsname #1\relax
10720     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10721     \endgroup
10722     \@footnotemark\@LTRfootnotetext}
10723
10724
10725 \def\setfootnoteRL{\@RTLfootnotetrue}
10726 \def\unsetfootnoteRL{\@RTLfootnotefalse}
10727 \def\setfootnoteLR{\unsetfootnoteRL}
10728
10729 \newcommand*{\bidi@footnotetext@font}{\reset@font\footnotesize}
10730 \newcommand*{\bidi@LTRfootnotetext@font}{\reset@font\footnotesize}
10731 \newcommand*{\bidi@RTLfootnotetext@font}{\reset@font\footnotesize}
10732
10733 \long\def\@footnotetext#1{\insert\footins{%
10734     \if@RTLfootnote\@RTLtrue\else\@RTLfalse\fi%
10735     \bidi@footnotetext@font% \reset@font\footnotesize
10736     \interlinepenalty\interfootnotelinepenalty
10737     \splittopskip\footnotesep
10738     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10739     \hsize\columnwidth \@parboxrestore
10740     \protected@edef\@currentlabel{%
10741         \csname p@footnote\endcsname\@thefnmark
10742     }%
10743     \color@begingroup
10744         \@makefntext{%
10745             \rule{z@footnotesep}{\ignorespaces#1\@finalstrut\strutbox}%
10746         \color@endgroup}}}%
10747
10748
10749 \long\def\@RTLfootnotetext#1{\insert\footins{%
10750     \@RTLtrue%
10751     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
10752     \interlinepenalty\interfootnotelinepenalty
10753     \splittopskip\footnotesep
10754     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10755     \hsize\columnwidth \@parboxrestore
10756     \protected@edef\@currentlabel{%
10757         \csname p@footnote\endcsname\@thefnmark
10758     }%
10759     \color@begingroup
10760         \@makefntext{%

```



```

10761         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10762     \color@endgroup}}}%
10763
10764 \long\def\@LTRfootnotetext#1{\insert\footins{%
10765     \@RTLfalse%
10766     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
10767     \interlinepenalty\interfootnotelinepenalty
10768     \splittopskip\footnotesep
10769     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10770     \hsize\columnwidth \@parboxrestore
10771     \protected@edef\@currentlabel{%
10772         \csname p@footnote\endcsname\@thefnmark
10773     }%
10774     \color@begingroup
10775         \@makefnintext{%
10776             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10777     \color@endgroup}}}%
10778
10779 \AtBeginDocument{%
10780 \if@RTL@footnote
10781     \newcommand*{\bidi@footdir@footnote}{R}
10782 \else
10783     \newcommand*{\bidi@footdir@footnote}{L}
10784 \fi%
10785 }
10786
10787 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
10788 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
10789 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
10790
10791 \long\def\@mpRTLfootnotetext#1{%
10792     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
10793     \global\setbox\@mpfootins\vbox{\@RTLtrue%
10794         \unvbox\@mpfootins
10795         \bidi@RTLfootnotetext@font% \reset@font\footnotesize
10796         \hsize\columnwidth
10797         \@parboxrestore
10798         \protected@edef\@currentlabel
10799             {\csname p@mpfootnote\endcsname\@thefnmark}%
10800         \color@begingroup
10801             \@makefnintext{%
10802                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10803         \color@endgroup}}
10804 \long\def\@mpLTRfootnotetext#1{%
10805     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
10806     \global\setbox\@mpfootins\vbox{\@RTLfalse%
10807         \unvbox\@mpfootins
10808         \bidi@LTRfootnotetext@font% \reset@font\footnotesize
10809         \hsize\columnwidth
10810         \@parboxrestore

```



```

10811 \protected@edef\@currentlabel
10812     {\csname p@mpfootnote\endcsname\@thefnmark}%
10813 \color@begingroup
10814     \@makefnmark{%
10815         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10816 \color@endgroup}}
10817 \long\def\@mpfootnotetext#1{%
10818 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnoterule
10819 \global\setbox\@mpfootins\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10820 \unvbox\@mpfootins
10821 \bidi@footnotetext@font% \reset@font\footnotesize
10822 \hsize\columnwidth
10823 \@parboxrestore
10824 \protected@edef\@currentlabel
10825     {\csname p@mpfootnote\endcsname\@thefnmark}%
10826 \color@begingroup
10827     \@makefnmark{%
10828         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10829 \color@endgroup}}
10830 \def\@iiiminipage#1#2[#3]#4{%
10831 \leavevmode
10832 \@pboxswfalse
10833 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
10834 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
10835 \setlength\@tempdima{#4}%
10836 \def\@mpargs{{#1}{#2}[#3]{#4}}%
10837 \setbox\@tempboxa\vbox\bgroup
10838 \color@begingroup
10839 \hsize\@tempdima
10840 \textwidth\hsize \columnwidth\hsize
10841 \@parboxrestore
10842 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
10843 \let\@footnotetext\@mpfootnotetext
10844 \let\@LTRfootnotetext\@mpLTRfootnotetext
10845 \let\@RTLfootnotetext\@mpRTLfootnotetext
10846 \let\@listdepth\@mplistdepth \@mplistdepth\z@
10847 \@minipagerestore
10848 \setminipage}
10849 \def\endminipage{%
10850 \par
10851 \unskip
10852 \ifvoid\@mpfootins\else
10853 \vskip\skip\@mpfootins
10854 \normalcolor
10855 \bidi@mpfootnoterule
10856 \unvbox\@mpfootins
10857 \fi
10858 \@minipagefalse %% added 24 May 89
10859 \color@endgroup
10860 \egroup

```




```

10861 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
10862 \def\LTRthanks#1{\footnotemark
10863     \protected@xdef\@thanks{\@thanks
10864         \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
10865 }
10866 \def\LTRfootnotetext{%
10867     \ifnextchar [\@xLTRfootnotenext
10868         {\protected@xdef\@thefnmark{\thempfn}%
10869         \@LTRfootnotetext}}
10870 \def\@xLTRfootnotenext[#1]{%
10871     \begingroup
10872         \csname c@\@mpfn\endcsname #1\relax
10873         \unrestored@protected@xdef\@thefnmark{\thempfn}%
10874     \endgroup
10875     \@LTRfootnotetext}
10876 \def\RTLthanks#1{\footnotemark
10877     \protected@xdef\@thanks{\@thanks
10878         \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
10879 }
10880 \let\@thanks\@empty
10881 \def\RTLfootnotetext{%
10882     \ifnextchar [\@xRTLfootnotenext
10883         {\protected@xdef\@thefnmark{\thempfn}%
10884         \@RTLfootnotetext}}
10885 \def\@xRTLfootnotenext[#1]{%
10886     \begingroup
10887         \csname c@\@mpfn\endcsname #1\relax
10888         \unrestored@protected@xdef\@thefnmark{\thempfn}%
10889     \endgroup
10890     \@RTLfootnotetext}
10891 \leftfootnoterule

```

7.64 framed-xetex-bidi.def

```

10892 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for
10893 \renewcommand\TitleBarFrame[3][\begingroup
10894     \ifx\delimiter#1\delimiter
10895         \let\TF@conlab\@empty
10896     \else
10897         \def\TF@conlab{% continuation label
10898             \nointerlineskip
10899             \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
10900     \fi
10901     %\let\TF@savecolor\current@color
10902     \textcolor{TFFrameColor}{%
10903     \CustomFBox
10904         {\TF@Title{#2}}{\TF@conlab}%
10905         \fboxrule\fboxrule\fboxrule\fboxrule
10906         %{\let\current@color\TF@savecolor\set@color #3}%
10907         {\normalcolor #3}%

```



```

10908 } \endgroup
10909 }
10910 \renewenvironment{titled-frame}[1]{%
10911   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
10912     \TitleBarFrame{\textbf{#1}}}%
10913   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
10914     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
10915   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
10916     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1\ (cont
10917   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
10918     \TitleBarFrame{\textbf{#1\ (cont)}}}%
10919   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
10920 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
10921 % could interfere with the width measurement.
10922 {\endMakeFramed}
10923 \chardef\FrameRestore=\catcode`\| % for debug
10924 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
10925 \def\fb@put@frame#1#2{\relax
10926   \ifdim\pagegoal=\maxdimen \pagegoal\vsizel\fi
10927   | \message{===== Entering putframe =====^^J
10928   | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
10929   \ifinner
10930     \fb@putboxa#1%
10931     \fb@afterframe
10932   \else
10933     \dimen@ \pagegoal \advance\dimen@-\pagetotal % natural space left on page
10934     \ifdim\dimen@<2\baselineskip % Too little room on page
10935     | \message{Page has only \the\dimen@ space room left; eject. }%
10936     | \eject \fb@adjheight \fb@put@frame#1#2%
10937     \else % there's appreciable room left on the page
10938       \fb@sizeofframe#1%
10939       | \message{\string\pagetotal=\the\pagetotal,
10940       | \string\pagegoal=\the\pagegoal,
10941       | \string\pagestretch=\the\pagestretch,
10942       | \string\pageshrink=\the\pageshrink,
10943       | \string\fb@frh=\the\fb@frh. \space}
10944       | \message{^^JBox of size \the\ht@tempboxa\space}%
10945       \begingroup % temporarily set \dimen@ to be...
10946       \advance\dimen@.8\pageshrink % maximum space available on page
10947       \advance\dimen@-\fb@frh\relax % max space available for frame's contents
10948 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
10949       \expandafter\endgroup
10950       % expand \ifdim, then restore \dimen@ to real room left on page
10951       \ifdim\dimen@>\ht@tempboxa % whole box does fit
10952       | \message{fits in \the\dimen@. }%
10953       % ToDo: Change this to use vsplit anyway to capture the marks
10954       % MERGE THIS WITH THE else CLAUSE!!!
10955       \fb@putboxa#1%
10956       \fb@afterframe
10957     \else % box must be split

```



```

10958 | \message{must be split to fit in \the\dimen@. }%
10959 | % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
10960 | \fb@sizeofframe#2%
10961 | \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
10962 |     \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
10963 |     \kern137sp\kern-137sp\penalty-30
10964 |     \unvbox\@tempboxa}%
10965 | \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
10966 |     \splittopskip\the\splittopskip}%
10967 | \boxmaxdepth\z@ \splittopskip\z@
10968 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
10969 | % Split box here
10970 | \setbox\tw@\vsplit\@tempboxa to\dimen@
10971 | \toks99\expandafter{\splitfirstmark}%
10972 | \toks98\expandafter{\splitbotmark}%
10973 | \message{Marks are: \the\toks99, \the\toks98. }%
10974 | \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
10975 | \message{Natural height of split box is \the\ht\tw@, leaving
10976 |     \the\ht\@tempboxa\space remainder. }%
10977 | % If the split-to size > (\vsize-\topskip), then set box to full size.
10978 | \begingroup
10979 | \advance\dimen@\topskip
10980 | \expandafter\endgroup
10981 | \ifdim\dimen@>\pagegoal
10982 |     \message{Frame is big -- Use up the full column. }%
10983 |     \dimen@ii\pagegoal
10984 |     \advance\dimen@ii -\topskip
10985 |     \advance\dimen@ii \FrameHeightAdjust\relax
10986 | \else % suspect this is implemented incorrectly:
10987 |     % If the split-to size > feasible room_on_page, rebox it smaller.
10988 |     \advance\dimen@.8\pageshrink
10989 |     \ifdim\ht\tw@>\dimen@
10990 |         \message{Box too tall; rebox it to \the\dimen@. }%
10991 |         \dimen@ii\dimen@
10992 |     \else % use natural size
10993 |         \dimen@ii\ht\tw@
10994 |     \fi
10995 | \fi
10996 | % Re-box contents to desired size \dimen@ii
10997 | \advance\dimen@ii -\fb@frh
10998 | \setbox\tw@\vbox to\dimen@ii \bgroup
10999 | % remove simulated frame and page flexibility:
11000 | \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11001 | \unvbox\tw@ \unpenalty\unpenalty
11002 | \ifdim\lastkern=-137sp % whole box went to next page
11003 |     \message{box split at beginning! }%
11004 |     % need work here???
11005 |     \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11006 |     \fb@adjheight
11007 |     \fb@put@frame#1#2% INSERTED ???

```



```

11008         \else % Got material split off at the head
11009             \egroup \fb@resto@set
11010             \ifvoid\@tempboxa % it all fit after all
11011 |             \message{box split at end! }%
11012             \setbox\@tempboxa\box\tw@
11013             \fb@putboxa#1%
11014             \fb@afterframe
11015         \else % it really did split
11016 |             \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
11017             \ifdim\wd\tw@>\z@
11018                 \wd\tw@\wd\@tempboxa
11019                 \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11020             \else
11021 |             \message{Zero width means likely blank. Don't frame it (guess)}%
11022                 \box\tw@
11023             \fi
11024             \hrule \@height\z@ \@width\hsize
11025             \eject
11026             \fb@adjheight
11027             \fb@put@frame\LastFrameCommand\MidFrameCommand
11028         \fi\fi\fi\fi\fi
11029     }
11030 \def\fb@putboxa#1{%
11031     \ifvoid\@tempboxa
11032         \PackageWarning{framed}{Boxa is void -- discard it. }%
11033     \else
11034 |         \message{Frame and place boxa. }%
11035 |         %{\showoutput\showbox\@tempboxa}%
11036         \centerline{#1{\hboxL{\box\@tempboxa}}}%
11037     \fi
11038 }
11039 \catcode`\|=\FrameRestore
11040 \def\FrameRestore{%
11041     \let\if@nobreak\iffalse
11042     \let\if@noskipsec\iffalse
11043     \let\-\@dischph
11044     \let'\@acci\let'\@accii\let\=\@acciii
11045     % \message{FrameRestore:
11046     %     \@totalleftmargin=\the \@totalleftmargin,
11047     %     \rightmargin=\the\rightmargin,
11048     %     \@listdepth=\the\@listdepth. }%
11049     % Test if we are in a list (or list-like paragraph)
11050     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
11051         \ifdim\rightmargin>\z@ 1\fi
11052         \ifnum\@listdepth>\z@ 1\fi 0>\z@
11053     %     \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
11054     %         \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11055     %         \labelwidth=\the\labelwidth. }%
11056     \setminipage % snug fit around the item
11057     % Now try to propagate changes of width from \hsize to list parameters.

```



```

11058      % This is deficient, but a more advanced way to indicate modification to text
11059      % dimensions is not (yet) provided; in particular, no separate left/right
11060      % adjustment.
11061      \advance\linewidth-\columnwidth \advance\linewidth\hsize
11062      \parshape\@ne \@totalleftmargin \linewidth
11063 \else % Not in list
11064      \linewidth=\hsize
11065      %\message{No list, set \string\linewidth=\the\hsize. }%
11066 \fi
11067 \sloppy
11068 }

```

7.65 ftnright-xetex-bidi.def

```

11069 \ProvidesFile{ftnright-xetex-bidi.def}[2017/05/06 v0.5 bidi adaptations for ftnright package]
11070
11071 \def\LTR@outputdblcol{%
11072   \if@firstcolumn
11073     \global\@firstcolumnfalse
11074     \global\setbox\@leftcolumn\copy\@outputbox
11075     \global\count\footins\@m
11076     \global\skip\footins\rcol@footinsskip
11077     \splitmaxdepth\maxdimen
11078     \vbadness\maxdimen
11079     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11080     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11081     \toks@{\expandafter{\topmark}}%
11082     \xdef\@firstcoltopmark{\the\toks@}%
11083     \toks@{\expandafter{\splitfirstmark}}%
11084     \xdef\@firstcolfirstmark{\the\toks@}%
11085     \ifx\@firstcolfirstmark\@empty
11086       \global\let\@setmarks\relax
11087     \else
11088       \gdef\@setmarks{%
11089         \let\firstmark\@firstcolfirstmark
11090         \let\topmark\@firstcoltopmark}%
11091     \fi
11092 \else
11093 \preparefootins
11094 \global\@firstcolumntrue
11095 \setbox\@outputbox\vbox{%
11096   \hb@xt@\textwidth{%
11097     \hb@xt@\columnwidth{%
11098       \bidi@firstcolumn@status@write%
11099       \box\@leftcolumn \hss}%
11100     \hfil
11101     {\normalcolor\vrule \@width\columnseprule}%
11102     \hfil
11103     \hb@xt@\columnwidth{%
11104       \bidi@lastcolumn@status@write%

```



```

11105     \box\@outputbox \hss}}}%
11106 \@combinedblfloats
11107   \@setmarks
11108   \@outputpage
11109   \begingroup
11110     \@dblfloatplacement
11111     \@startdblcolumn
11112     \@whiles\if@fcolmade \fi{\@outputpage
11113       \@startdblcolumn}%
11114   \endgroup
11115 \fi}%
11116
11117
11118
11119 \def\RTL@outputdblcol{%
11120   \if@firstcolumn
11121     \global\@firstcolumnfalse
11122     \global\setbox\@leftcolumn\copy\@outputbox
11123     \global\count\footins\@m
11124     \global\skip\footins\rcol@footinsskip
11125     \splitmaxdepth\maxdimen
11126     \vbadness\maxdimen
11127     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11128     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11129     \toks@{\expandafter{\topmark}}%
11130     \xdef\@firstcoltopmark{\the\toks@}%
11131     \toks@\expandafter{\splitfirstmark}%
11132     \xdef\@firstcolfirstmark{\the\toks@}%
11133     \ifx\@firstcolfirstmark\@empty
11134       \global\let\@setmarks\relax
11135     \else
11136       \gdef\@setmarks{%
11137         \let\firstmark\@firstcolfirstmark
11138         \let\topmark\@firstcoltopmark}%
11139     \fi
11140   \else
11141     \preparefootins
11142     \global\@firstcolumntrue
11143     \setbox\@outputbox\vbox{%
11144       \hb@xt@\textwidth{%
11145         \hskip \columnwidth
11146         \hfil
11147         {\normalcolor\vrule \@width\columnseprule}%
11148         \hfil
11149         \hb@xt@\columnwidth{%
11150           \bidi@firstcolumn@status@write%
11151           \box\@leftcolumn \hss}%
11152         \hskip -\textwidth
11153         \hb@xt@\columnwidth{%
11154           \bidi@lastcolumn@status@write%

```



```

11155 \box\@outputbox \hss}%
11156 \hskip \columnsep
11157 \hskip \columnwidth }}%
11158 \@combinedblfloats
11159 \setmarks
11160 \outputpage
11161 \begingroup
11162 \dblfloatplacement
11163 \startdblcolumn
11164 \@whiles\if@fcolmade \fi{\@outputpage
11165 \startdblcolumn}%
11166 \endgroup
11167 \fi}%
11168
11169
11170
11171 \let\leftfootnoterule\@empty
11172 \let\rightfootnoterule\@empty
11173 \let\textwidthfootnoterule\@empty
11174 \let\autofootnoterule\@empty
11175 \let\footnoterule\@empty
11176 \long\def\@makefntext#1{\parindent 1em
11177 \noindent\hbox to 2em{}%
11178 \llap{\@thefnmark\hbox{.}\,\,\,}\,#1}

```

7.66 graphicx-xetex-bidi.def

```

11179 \ProvidesFile{graphicx-xetex-bidi.def}[2012/01/01 v0.4 bidi adaptations for graphicx package]
11180 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
11181 \Grot@setangle{#1}%
11182 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
11183 \Grot@x\z@
11184 \Grot@y\z@
11185 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
11186 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11187 \leavevmode
11188 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11189 \setbox\z@\hbox{{#3}}%
11190 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11191 \ifdim#2\p@<\z@
11192 \ht\tw@-#2\dp\z@
11193 \dp\tw@-#2\ht\z@
11194 \else
11195 \ht\tw@#2\ht\z@
11196 \dp\tw@#2\dp\z@
11197 \fi
11198 \ifdim#1\p@<\z@
11199 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11200 \else
11201 \wd\tw@#1\wd\z@

```



```

11202 \box\tw@
11203 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11204 \def\Gin@iii[#1,#2][#3,#4]#5{%
11205 \begingroup
11206 \ifmmode\else\if@RTL\beginL\fi\fi
11207 \Gin@bboxtrue
11208 \Gin@defaultbp\Gin@llx{#1}%
11209 \Gin@defaultbp\Gin@lly{#2}%
11210 \Gin@defaultbp\Gin@urx{#3}%
11211 \Gin@defaultbp\Gin@ury{#4}%
11212 \Gin@include@graphics{#5}%
11213 \ifmmode\else\if@RTL\endL\fi\fi
11214 \endgroup}
11215 \def\Gin@ii[#1]#2{%
11216 \def\@tempa{[]}\def\@tempb{#2}%
11217 \ifx\@tempa\@tempb
11218 \def\@tempa{\Gin@iii[#1] []}%
11219 \expandafter\@tempa
11220 \else
11221 \begingroup
11222 \ifmmode\else\if@RTL\beginL\fi\fi
11223 \@tempswafalse
11224 \toks@{\Gin@include@graphics{#2}}%
11225 \setkeys{Gin}{#1}%
11226 \Gin@esetsize
11227 \the\toks@
11228 \ifmmode\else\if@RTL\endL\fi\fi
11229 \endgroup
11230 \fi}
11231 \def\reflectbox{\bidiGscale@box-1[1]}
11232 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11233 \leavevmode
11234 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11235 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11236 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11237 \ifdim#2\p<\z@
11238 \ht\tw@-#2\dp\z@
11239 \dp\tw@-#2\ht\z@
11240 \else
11241 \ht\tw@#2\ht\z@
11242 \dp\tw@#2\dp\z@
11243 \fi
11244 \ifdim#1\p<\z@
11245 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11246 \else
11247 \wd\tw@#1\wd\z@
11248 \box\tw@
11249 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11250 \def\scalebox#1{%
11251 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}

```




```

11252 \def\resizebox{%
11253   \leavevmode
11254   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11255 \def\bidiGscale@@box#1#2#3{%
11256   \let\@tempa\Gin@exclamation
11257   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11258   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11259   \ifx\@tempb\@tempa
11260     \ifx\@tempc\@tempa
11261       \toks@{\mbox}%
11262     \else
11263       \toks@{\bidiGscale@box@dd{#3}#1}%
11264     \fi
11265   \else
11266     \ifx\@tempc\@tempa
11267       \toks@{\bidiGscale@box@dd{#2}\width}%
11268     \else
11269       \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
11270     \fi
11271   \fi
11272   \the\toks@}
11273 \long\def\bidiGscale@box@dd#1#2#3{%
11274   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if
11275     \setlength\@tempdima{#1}%
11276     \setlength\@tempdimb{#2}%
11277     \Gscale@div\@tempa\@tempdima\@tempdimb
11278     \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11279   \@end@tempboxa}
11280 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
11281   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if
11282     \setlength\@tempdima{#1}%
11283     \setlength\@tempdimb{#2}%
11284     \Gscale@div\@tempa\@tempdima\@tempdimb
11285     \setlength\@tempdima{#3}%
11286     \setlength\@tempdimb{#4}%
11287     \Gscale@div\@tempb\@tempdima\@tempdimb
11288     \ifGin@iso
11289       \ifdim\@tempa\p@>\@tempb\p@
11290         \let\@tempa\@tempb
11291       \else
11292         \let\@tempb\@tempa
11293       \fi
11294     \fi
11295     \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11296   \@end@tempboxa}

```

7.67 geometry-xetex-bidi.def

```

11297 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
11298 \renewcommand*{\Gm@vrules@mpi}{%

```



```

11299 \if@RTLmain%
11300     \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11301     \llap{\Gm@vrule}\ignorespaces
11302     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11303     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11304     \else%
11305     \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
11306     \hskip \textwidth\Gm@vrule\hskip \marginparsep
11307     \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11308 \renewcommand*{\Gm@vrules@mpii}{%
11309 \if@RTLmain%
11310     \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
11311     \hskip \textwidth\Gm@vrule\hskip \marginparsep
11312     \llap{\Gm@vrule}\hfil\Gm@vrule}%
11313     \else%
11314     \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11315     \llap{\Gm@vrule}\ignorespaces
11316     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11317     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11318 \bidi@patchcmd{\Gm@pageframes}{%
11319     \ifodd\count\z@
11320     \let\@themargin\oddsidemargin
11321     \else
11322     \let\@themargin\evensidemargin
11323     \fi
11324 }{%
11325     \ifodd\count\z@
11326     \if@RTLmain
11327     \let\@themargin\evensidemargin
11328     \else
11329     \let\@themargin\oddsidemargin
11330     \fi
11331     \else
11332     \if@RTLmain
11333     \let\@themargin\oddsidemargin
11334     \else
11335     \let\@themargin\evensidemargin
11336     \fi
11337     \fi
11338 }{}{}

```

7.68 hvfloat-xetex-bidi.def

```

11339 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package fo
11340 \def\do@hvFloat[#1]#2#3{%
11341 \def\hv@shortCap{#1}
11342 \def\hv@longCap{#2}
11343 \def\hv@label{#3}
11344 %\newcommand*{\hvFloat}[5]{}{%
11345 % [#1]: keyvalues

```



```

11346 % #2: type figure | table | ...
11347 % #3: float contents
11348 % [#4]: short caption
11349 % #5: caption
11350 % #6: label
11351 % \setDefault%
11352 % \def\@tempa{#1}%
11353 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11354 % \def\@tempa{90}%
11355 % \ifx\hvSet@rotAngle\@tempa \setlength{hvMaxCapWidth}{\textheight}
11356 % \else \setlength{hvMaxCapWidth}{\linewidth}
11357 % \fi
11358 %
11359 % First we save the object in \hvObjectBox
11360 %
11361 % \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11362 % \savebox{hvObjectBox}{\ifhv@useOBox\usebox{hvOBox}\else\hv@floatObject\fi}
11363 % \else
11364 % \savebox{hvObjectBox}{%
11365 % \rotatebox{hvSet@objectAngle}{%
11366 % \ifhv@useOBox\usebox{hvOBox}\else\hv@floatObject\fi}}
11367 % \fi
11368 % \setlength{hvObjectWidth}{\wd hvObjectBox}
11369 %
11370 % Now we save the caption with its defined \hvCapWidth
11371 %
11372 % \ifx\hvSet@capWidth\hv@Width\setlength{hvCapWidth}{hvObjectWidth}
11373 % \else
11374 % \ifx\hvSet@capWidth\hv@Height\setlength{hvCapWidth}{ht hvObjectBox}
11375 % \else
11376 % \setlength{hvCapWidth}{hvObjectWidth}
11377 % \ifx\hvSet@capPos\hv@Left\addtolength{hvMaxCapWidth}{-hvObjectWidth}\fi
11378 % \ifx\hvSet@capPos\hv@Right\addtolength{hvMaxCapWidth}{-hvObjectWidth}\fi
11379 % \ifdim hvSet@capWidth < hvMaxCapWidth
11380 % \setlength{hvCapWidth}{hvSet@capWidth}
11381 % \else
11382 % \setlength{hvCapWidth}{hvMaxCapWidth}
11383 % \fi
11384 % \fi
11385 % \fi
11386 %
11387 % now we have the object and the caption with the right
11388 % rotated angles saved in boxes
11389 %
11390 % \def\fps@figure{\hvSet@floatPos}
11391 % \ifhv@nonFloat\begin{group}% Start the nonfloat part
11392 % \else \begin{floatType}% Start the floating environment
11393 % \fi%
11394 % \saveCaptionSkip% we put this space ourselves
11395 % \ifx\hvSet@capAngle\hv@Width % need rotation?

```



```

11396 \sbox{\hvCaptionBox}{%
11397 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11398 \ifhv@nonFloat%
11399 \ifhv@onlyText#2%
11400 \else%
11401 \ifx\hv@floatType\hv@figure
11402 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11403 \else
11404 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11405 \fi
11406 \fi
11407 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11408 \fi%
11409 \label{#3}%
11410 \end{minipage}%
11411 }%
11412 \else%
11413 \sbox{\hvCaptionBox}{%
11414 \rotatebox{\hvSet@capAngle}{%
11415 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11416 \ifhv@nonFloat%
11417 \ifhv@onlyText#2%
11418 \else%
11419 \ifx\hv@floatType\hv@figure
11420 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11421 \else
11422 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11423 \fi
11424 \fi
11425 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11426 \fi%
11427 \label{#3}%
11428 \end{minipage}%
11429 }%
11430 }%
11431 \fi%
11432 %%
11433 \restoreCaptionSkip% save old values
11434 \ifx\hvSet@objectPos\hv@Right\@bidi@raggedleft%
11435 \else%
11436 \ifx\hvSet@objectPos\hv@Center
11437 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11438 \fi%
11439 \fi%
11440 %
11441 % to rotate object and caption together, we save all in another box
11442 % the caption comes first, if its on the left or the top
11443 %
11444 \savebox{\@tempboxa}{%
11445 \ifx\hvSet@capPos\hv@Left % caption on left side

```



```

11446 \if@RTL%
11447 \ifx\hvSet@capVPos\hv@Center%
11448 \ifhv@fbox
11449 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11450 \else
11451 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11452 \fi%
11453 \hspace{\hvSet@floatCapSep pt}%
11454 \ifhv@fbox
11455 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11456 \else
11457 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11458 \fi%
11459 \else%
11460 \ifx\hvSet@capVPos\hv@Top
11461 \ifhv@fbox
11462 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11463 \else
11464 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11465 \fi%
11466 \hspace{\hvSet@floatCapSep pt}%
11467 \ifhv@fbox
11468 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11469 \else
11470 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11471 \fi
11472 \else
11473 \ifhv@fbox
11474 \fbox{\usebox{\hvObjectBox}}%
11475 \else
11476 \usebox{\hvObjectBox}%
11477 \fi
11478 \hspace{\hvSet@floatCapSep pt}%
11479 \ifhv@fbox
11480 \fbox{\usebox{\hvCaptionBox}}%
11481 \else
11482 \usebox{\hvCaptionBox}%
11483 \fi%
11484 \fi%
11485 \fi%
11486 \else% not RTL
11487 \ifx\hvSet@capVPos\hv@Center%
11488 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11489 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11490 \fi%
11491 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11492 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11493 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11494 \fi%
11495 \else%

```



```

11496 \ifx\hvSet@capVPos\hv@Top % caption at top
11497 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11498 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11499 \fi
11500 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11501 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11502 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11503 \fi%
11504 \else% caption on bottom
11505 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11506 \else\usebox{\hvCaptionBox}
11507 \fi%
11508 \hspace{\hvSet@floatCapSep pt}%
11509 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11510 \else \usebox{\hvObjectBox}
11511 \fi%
11512 \fi%
11513 \fi% end of RTL
11514 \fi%
11515 \else
11516 \ifx\hvSet@capPos\hv@Top
11517 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11518 \begin{minipage}{\wd\hvCaptionBox}
11519 \else
11520 \begin{minipage}{\wd\hvObjectBox}
11521 \fi
11522 \centering
11523 \ifhv@fbox
11524 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
11525 \fbbox{\usebox{\hvObjectBox}}
11526 \else
11527 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
11528 \usebox{\hvObjectBox}
11529 \fi%
11530 \end{minipage}
11531 \else
11532 \ifx\hvSet@capPos\hv@Bottom
11533 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11534 \begin{minipage}{\wd\hvCaptionBox}
11535 \else
11536 \begin{minipage}{\wd\hvObjectBox}
11537 \fi
11538 \centering
11539 \ifhv@fbox
11540 \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
11541 \fbbox{\usebox{\hvCaptionBox}}
11542 \else
11543 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
11544 \usebox{\hvCaptionBox}
11545 \fi%

```



```

11546 \end{minipage}
11547 \else% the last option: put the caption on the right
11548 \if@RTL%
11549     \ifx\hvSet@capVPos\hv@Center%
11550         \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11551         \else         \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11552         \fi%
11553         \hspace{\hvSet@floatCapSep pt}% capfloatsep
11554         \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11555         \else         \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11556         \fi%
11557     \else%
11558         \ifx\hvSet@capVPos\hv@Top % caption at top
11559             \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11560             \else         \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11561             \fi
11562             \hspace{\hvSet@floatCapSep pt}% capfloatsep
11563             \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}
11564             \else         \raisebox{-\height}{\usebox{\hvObjectBox}}%
11565             \fi%
11566         \else% caption on bottom
11567             \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11568             \else\usebox{\hvCaptionBox}
11569             \fi%
11570             \hspace{\hvSet@floatCapSep pt}%
11571             \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11572             \else         \usebox{\hvObjectBox}
11573             \fi%
11574         \fi%
11575     \fi%
11576 \else% not RTL
11577 \ifx\hvSet@capVPos\hv@Center%
11578 \ifhv@fbox
11579 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11580 \else
11581 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11582 \fi%
11583 \hspace{\hvSet@floatCapSep pt}%
11584 \ifhv@fbox
11585 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11586 \else
11587 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11588 \fi%
11589 \else%
11590 \ifx\hvSet@capVPos\hv@Top
11591 \ifhv@fbox
11592 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11593 \else
11594 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11595 \fi%

```



```

11596 \hspace{\hvSet@floatCapSep pt}%
11597 \ifhv@fbox
11598 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11599 \else
11600 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11601 \fi
11602 \else
11603 \ifhv@fbox
11604 \fbox{\usebox{\hvObjectBox}}%
11605 \else
11606 \usebox{\hvObjectBox}%
11607 \fi
11608 \hspace{\hvSet@floatCapSep pt}%
11609 \ifhv@fbox
11610 \fbox{\usebox{\hvCaptionBox}}%
11611 \else
11612 \usebox{\hvCaptionBox}%
11613 \fi%
11614 \fi%
11615 \fi
11616 \fi% end of RTL
11617 \fi
11618 \fi
11619 \fi
11620 }% End savebox Object and caption
11621 %
11622 % now we rotate the object and caption, if needed
11623 %
11624 \ifx\hvSet@rotAngle\hv@Zero
11625 \usebox{\@tempboxa}
11626 \else
11627 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
11628 \fi
11629 \ifhv@nonFloat
11630 \ifx\hvSet@objectPos\hv@Center
11631 \ifhv@nonFloat
11632 \hspace{\fill}
11633 \fi
11634 \fi
11635 \endgroup% End the nonfloat part
11636 \else
11637 \end{\hv@floatType}% End the floating environment
11638 \fi
11639 }

```

7.69 hyperref-xetex-bidi.def

```

11640 \ProvidesFile{hyperref-xetex-bidi.def}[2015/11/26 v0.9 bidi adaptations for hyperref package]
11641 \AtBeginDocument{%
11642 \def\contentsline#1#2#3#4{%

```




```

11643 \ifx\#4\%
11644 \csname l@#1\endcsname{#2}{#3}%
11645 \else
11646 \ifcase\Hy@linktoc % none
11647 \csname l@#1\endcsname{#2}{#3}%
11648 \or % section
11649 \csname l@#1\endcsname{%
11650 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11651 }{#3}%
11652 \or % page
11653 \csname l@#1\endcsname{#2}{#3}%
11654 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11655 }%
11656 \else % all
11657 \csname l@#1\endcsname{%
11658 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11659 }{#3}%
11660 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11661 }%
11662 \fi
11663 \fi
11664 }
11665 \ifHy@hyperfootnotes
11666 \let\H@@footnotetext\@footnotetext
11667 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
11668 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
11669 \def\@xfootnotenext[#1]{%
11670 \begingroup
11671 \csname c@\mpfn\endcsname #1\relax
11672 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11673 \endgroup
11674 \ifx\@footnotetext\@mpfootnotetext
11675 \expandafter\H@@mpfootnotetext
11676 \else
11677 \expandafter\H@@footnotetext
11678 \fi
11679 }%
11680 \def\@xRTLfootnotenext[#1]{%
11681 \begingroup
11682 \csname c@\mpfn\endcsname #1\relax
11683 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11684 \endgroup
11685 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
11686 \expandafter\HRTL@@mpRTLfootnotetext
11687 \else
11688 \expandafter\HRTL@@RTLfootnotetext
11689 \fi
11690 }%
11691 \def\@xLTRfootnotenext[#1]{%
11692 \begingroup

```



```

11693     \csname c@\mpfn\endcsname #1\relax
11694     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11695   \endgroup
11696   \ifx\@LTRfootnotetext\@mpLTRfootnotetext
11697     \expandafter\HLTR@\@mpLTRfootnotetext
11698   \else
11699     \expandafter\HLTR@\@LTRfootnotetext
11700   \fi
11701 }%
11702 \def\@xfootnotemark[#1]{%
11703 \begingroup
11704   \c@footnote #1\relax
11705   \unrestored@protected@xdef\@thefnmark{\thefootnote}%
11706 \endgroup
11707   \H@@footnotemark
11708 }%
11709 \let\H@@mpfootnotetext\@mpfootnotetext
11710 \let\HRTL@\@mpRTLfootnotetext\@mpRTLfootnotetext
11711 \let\HLTR@\@mpLTRfootnotetext\@mpLTRfootnotetext
11712 \long\def\@mpfootnotetext#1{%
11713   \H@@mpfootnotetext{%
11714     \ifHy@nesting
11715       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11716     \else
11717       \Hy@raisedlink{%
11718         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11719       }#1%
11720     \fi
11721   }%
11722 }%
11723 \long\def\@mpRTLfootnotetext#1{%
11724   \HRTL@\@mpRTLfootnotetext{%
11725     \ifHy@nesting
11726       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11727     \else
11728       \Hy@raisedlink{%
11729         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11730       }#1%
11731     \fi
11732   }%
11733 }%
11734 \long\def\@mpLTRfootnotetext#1{%
11735   \HLTR@\@mpLTRfootnotetext{%
11736     \ifHy@nesting
11737       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11738     \else
11739       \Hy@raisedlink{%
11740         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11741       }#1%
11742     \fi

```



```

11743 }%
11744 }%
11745 \long\def\@footnotetext#1{%
11746 \H@@footnotetext{%
11747 \ifHy@nesting
11748 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11749 \else
11750 \Hy@raisedlink{%
11751 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11752 }%
11753 \let\@currentHlabel\Hy@footnote@currentHlabel
11754 \let\@currentHref\Hy@footnote@currentHref
11755 \let\@currentlabelname\@empty
11756 #1%
11757 \fi
11758 }%
11759 }%
11760 \long\def\@RTLfootnotetext#1{%
11761 \HRTL@@RTLfootnotetext{%
11762 \ifHy@nesting
11763 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11764 \else
11765 \Hy@raisedlink{%
11766 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11767 }%
11768 \let\@currentHlabel\Hy@footnote@currentHlabel
11769 \let\@currentHref\Hy@footnote@currentHref
11770 \let\@currentlabelname\@empty
11771 #1%
11772 \fi
11773 }%
11774 }%
11775 \long\def\@LTRfootnotetext#1{%
11776 \HLTR@@@LTRfootnotetext{%
11777 \ifHy@nesting
11778 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11779 \else
11780 \Hy@raisedlink{%
11781 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11782 }%
11783 \let\@currentHlabel\Hy@footnote@currentHlabel
11784 \let\@currentHref\Hy@footnote@currentHref
11785 \let\@currentlabelname\@empty
11786 #1%
11787 \fi
11788 }%
11789 }%
11790 \@ifpackageloaded{tabularx}{%
11791 \let\HyOrg@TX@endtabularx\TX@endtabularx
11792 \def\Hy@tabularx@hook{%

```



```

11793 \let\@footnotetext\H@@footnotetext
11794 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
11795 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
11796 \let\@footnotemark\H@@footnotemark
11797 \let\@mpfootnotetext\H@@mpfootnotetext
11798 \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
11799 \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
11800 }%
11801 \begingroup
11802 \toks@\expandafter{\TX@endtabularx}%
11803 \xdef\Hy@gtemp{%
11804 \noexpand\Hy@tabularx@hook
11805 \the\toks@
11806 }%
11807 \endgroup
11808 \let\TX@endtabularx\Hy@gtemp
11809 }{}%
11810 \@ifpackageloaded{longtable}{%
11811 \CheckCommand*{\LT@p@LTRftntext}[1]{%
11812 \edef\@tempa{%
11813 \the\LT@p@ftn
11814 \noexpand\LTRfootnotetext[\the\c@footnote]}%
11815 }%
11816 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11817 }%
11818 \long\def\LT@p@LTRftntext#1{%
11819 \edef\@tempa{%
11820 \the\LT@p@ftn
11821 \begingroup
11822 \noexpand\c@footnote=\the\c@footnote\relax
11823 \noexpand\protected\xdef\noexpand\@thefnmark{%
11824 \noexpand\thempfn
11825 }%
11826 \noexpand\Hy@LT@LTRfootnotetext{%
11827 \Hy@footnote@currentHref
11828 }%
11829 }%
11830 \global\LT@p@ftn\expandafter{%
11831 \@tempa{#1}%
11832 \endgroup
11833 }%
11834 }%
11835 \long\def\Hy@LT@LTRfootnotetext#1#2{%
11836 \HLTR@@LTRfootnotetext{%
11837 \ifHy@nesting
11838 \hyper@@anchor{#1}{#2}%
11839 \else
11840 \Hy@raisedlink{%
11841 \hyper@@anchor{#1}{\relax}%
11842 }%

```



```

11843         \def\@currentHref{#1}%
11844         \let\@currentlabelname\@empty
11845         #2%
11846     \fi
11847 }%
11848 }%
11849 \CheckCommand*\LT@p@RTLftntext}[1]{%
11850     \edef\@tempa{%
11851         \the\LT@p@ftn
11852         \noexpand\RTLfootnotetext[\the\c@footnote]%
11853     }%
11854     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11855 }%
11856 \long\def\LT@p@RTLftntext#1{%
11857     \edef\@tempa{%
11858         \the\LT@p@ftn
11859         \begingroup
11860             \noexpand\c@footnote=\the\c@footnote\relax
11861             \noexpand\protected@xdef\noexpand\@thefnmark{%
11862                 \noexpand\thempfn
11863             }%
11864             \noexpand\Hy@LT@RTLfootnotetext{%
11865                 \Hy@footnote@currentHref
11866             }%
11867         }%
11868         \global\LT@p@ftn\expandafter{%
11869             \@tempa{#1}%
11870         }%
11871     }%
11872 }%
11873 \long\def\Hy@LT@RTLfootnotetext#1#2{%
11874     \HRTL@RTLfootnotetext{%
11875         \ifHy@nesting
11876             \hyper@@anchor{#1}{#2}%
11877         \else
11878             \Hy@raisedlink{%
11879                 \hyper@@anchor{#1}{\relax}%
11880             }%
11881             \def\@currentHref{#1}%
11882             \let\@currentlabelname\@empty
11883             #2%
11884         \fi
11885     }%
11886 }%
11887 }{%
11888     \@ifpackageloaded{bidipoem}{%
11889         \long\def\bidipoem@p@ftntext#1{%
11890             \edef\@tempx{%
11891                 \the\bidipoem@p@ftn
11892                 \begingroup

```



```

11893         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11894         \noexpand\protected\edef\noexpand\@thefnmark{%
11895             \noexpand\thempfn
11896         }%
11897         \noexpand\Hy@bidipoem@footnotetext{%
11898             \Hy@footnote@currentHref
11899         }%
11900     }%
11901     \global\bidipoem@p@ftn\expandafter{%
11902         \@tempxi{#1}%
11903     \endgroup
11904 }%
11905 }%
11906 \long\def\Hy@bidipoem@footnotetext#1#2{%
11907     \H@@footnotetext{%
11908         \ifHy@nesting
11909             \hyper@@anchor{#1}{#2}%
11910         \else
11911             \Hy@raisedlink{%
11912                 \hyper@@anchor{#1}{\relax}%
11913             }%
11914             \def\@currentHref{#1}%
11915             \let\@currentlabelname\@empty
11916             #2%
11917         \fi
11918     }%
11919 }%
11920 \long\def\bidipoem@p@LTRftntext#1{%
11921     \edef\@tempxi{%
11922         \the\bidipoem@p@ftn
11923     \begingroup
11924         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11925         \noexpand\protected\edef\noexpand\@thefnmark{%
11926             \noexpand\thempfn
11927         }%
11928         \noexpand\Hy@bidipoem@LTRfootnotetext{%
11929             \Hy@footnote@currentHref
11930         }%
11931     }%
11932     \global\bidipoem@p@ftn\expandafter{%
11933         \@tempxi{#1}%
11934     \endgroup
11935 }%
11936 }%
11937 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
11938     \HLTR@@LTRfootnotetext{%
11939         \ifHy@nesting
11940             \hyper@@anchor{#1}{#2}%
11941         \else
11942             \Hy@raisedlink{%

```



```

11943         \hyper@@anchor{#1}{\relax}%
11944     }%
11945     \def\@currentHref{#1}%
11946     \let\@currentlabelname\@empty
11947     #2%
11948 \fi
11949 }%
11950 }%
11951     \long\def\bidipoem@p@RTLftntext#1{%
11952 \edef\@tempxiif%
11953     \the\bidipoem@p@ftn
11954     \begingroup
11955         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11956         \noexpand\protected@xdef\noexpand\@thefnmark{%
11957             \noexpand\thempfn
11958         }%
11959         \noexpand\Hy@bidipoem@RTLfootnotetext{%
11960             \Hy@footnote@currentHref
11961         }%
11962     }%
11963     \global\bidipoem@p@ftn\expandafter{%
11964         \@tempxiif{#1}%
11965     \endgroup
11966 }%
11967 }%
11968 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
11969     \HRTL@RTLfootnotetext{%
11970         \ifHy@nesting
11971             \hyper@@anchor{#1}{#2}%
11972         \else
11973             \Hy@raisedlink{%
11974                 \hyper@@anchor{#1}{\relax}%
11975             }%
11976             \def\@currentHref{#1}%
11977             \let\@currentlabelname\@empty
11978             #2%
11979         \fi
11980     }%
11981 }%
11982 }{}%
11983 \let\HyOrg@maketitle\maketitle
11984 \def\maketitle{%
11985     \let\Hy@saved@footnotemark\@footnotemark
11986     \let\Hy@saved@footnotetext\@footnotetext
11987     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
11988     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
11989     \let\@footnotemark\H@@footnotemark
11990     \let\@footnotetext\H@@footnotetext
11991     \let\@RTLfootnotetext\HRTL@RTLfootnotetext
11992     \let\@LTRfootnotetext\HLTR@LTRfootnotetext

```



```

11993 \@ifnextchar[\Hy@maketitle@optarg{% ]
11994 \HyOrg@maketitle
11995 \Hy@maketitle@end
11996 }%
11997 }%
11998 \def\Hy@maketitle@optarg[#1]{%
11999 \HyOrg@maketitle[{#1}]%
12000 \Hy@maketitle@end
12001 }%
12002 \def\Hy@maketitle@end{%
12003 \ifx\@footnotemark\H@@footnotemark
12004 \let\@footnotemark\Hy@saved@footnotemark
12005 \fi
12006 \ifx\@footnotetext\H@@footnotetext
12007 \let\@footnotetext\Hy@saved@footnotetext
12008 \fi
12009 \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
12010 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12011 \fi
12012 \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
12013 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12014 \fi
12015 }%
12016 \def\realfootnote{%
12017 \@ifnextchar[\@xfootnote{%
12018 \stepcounter{\@mpfn}%
12019 \protected@xdef\@thefnmark{\thempfn}%
12020 \H@@footnotemark\H@@footnotetext
12021 }%
12022 }%
12023 \fi
12024 \def\Hy@BeginAnnot#1{%
12025 \ifmmode\else\beginL\fi%
12026 \stepcounter{Hy@AnnotLevel}%
12027 \ifnum\value{Hy@AnnotLevel}=\@ne
12028 #1%
12029 \fi
12030 }
12031 \def\Hy@EndAnnot{%
12032 \ifnum\value{Hy@AnnotLevel}=\@ne
12033 \Hy@endcolorlink
12034 \@pdfmark{eann}%
12035 \fi
12036 \addtocounter{Hy@AnnotLevel}\m@ne
12037 \ifmmode\else\endL\fi%
12038 }
12039 \def\hyper@link#1#2#3{%
12040 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\
12041 }
12042 \def\hyper@linkfile#1#2#3{%

```




```

12043 \leavevmode
12044 \Hy@BeginAnnot{%
12045   \def\Hy@pstringF{#2}%
12046   \Hy@CleanupFile\Hy@pstringF
12047   \Hy@pstringdef\Hy@pstringF\Hy@pstringF
12048   \Hy@pstringdef\Hy@pstringD{#3}%
12049   \Hy@MakeRemoteAction
12050   \@pdfm@mark{%
12051     bann<<%
12052     /Type/Annot%
12053     /Subtype/Link%
12054     \ifHy@pdfa /F 4\fi
12055     \Hy@setpdfborder
12056     \ifx\@filebordercolor\relax
12057     \else
12058       /C[\@filebordercolor]%
12059     \fi
12060     /A<<%
12061     /S/GoToR%
12062     /F(\Hy@pstringF)%
12063     /D%
12064     \ifx\#3\%
12065       [\Hy@href@page\@pdfremotestartview]%
12066     \else
12067       (\Hy@pstringD)%
12068     \fi
12069     \Hy@SetNewWindow
12070     \Hy@href@nextactionraw
12071     >>%
12072     >>%
12073   }%
12074   \Hy@colorlink\@filecolor
12075 }%
12076 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12077 \Hy@EndAnnot
12078 }
12079 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
12080 \leavevmode
12081 \Hy@BeginAnnot{%
12082   \Hy@pstringdef\Hy@pstringF{#1}%
12083   \Hy@pstringdef\Hy@pstringP{#3}%
12084   \@pdfm@mark{%
12085     bann<<%
12086     /Type/Annot%
12087     /Subtype/Link%
12088     \ifHy@pdfa /F 4\fi
12089     \Hy@setpdfborder
12090     \ifx\@runbordercolor\relax
12091     \else
12092       /C[\@runbordercolor]%

```



```

12093     \fi
12094     /A<<%
12095         /F(\Hy@pstringF)%
12096         /S/Launch%
12097         \Hy@SetNewWindow
12098         \ifx\#3\%
12099         \else
12100             /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
12101         \fi
12102         \Hy@href@nextactionraw
12103     >>%
12104 >>%
12105 }%
12106 \Hy@colorlink\@runcolor
12107 }%
12108 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12109 \Hy@EndAnnot
12110 }
12111 \def\hyper@linkurl#1#2{%
12112     \leavevmode
12113     \Hy@BeginAnnot{%
12114         \Hy@pstringdef\Hy@pstringURI{#2}%
12115         \@pdfm@mark{%
12116             bann<<%
12117                 /Type/Annot%
12118                 /Subtype/Link%
12119                 \ifHy@pdfa /F 4\fi
12120                 \Hy@setpdfborder
12121                 \ifx\@urlbordercolor\relax
12122                 \else
12123                     /C[\@urlbordercolor]%
12124                 \fi
12125                 /A<<%
12126                     /S/URI%
12127                     /URI(\Hy@pstringURI)%
12128                     \ifHy@href@ismap
12129                     /IsMap true%
12130                 \fi
12131                 \Hy@href@nextactionraw
12132             >>%
12133         >>%
12134     }%
12135     \Hy@colorlink\@urlcolor
12136 }%
12137 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12138 \Hy@EndAnnot
12139 }
12140 \def\Acrobatmenu#1#2{%
12141     \Hy@Acrobatmenu{#1}{#2}{%
12142         \Hy@BeginAnnot{%

```



```

12143 \EdefEscapeName\Hy@temp@menu{#1}%
12144 \@pdfm@mark{%
12145     bann<<%
12146         /Type/Annot%
12147         /Subtype/Link%
12148         \ifHy@pdfa /F 4\fi
12149         \Hy@setpdfborder
12150         \ifx\@menubordercolor\relax
12151         \else
12152             /C[\@menubordercolor]%
12153         \fi
12154         /A<<%
12155             /S/Named%
12156             /N/\Hy@temp@menu
12157             \Hy@href@nextactionraw
12158         >>%
12159     >>%
12160 }%
12161 \Hy@colorlink\@menucolor
12162 }%
12163 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12164 \Hy@EndAnnot
12165 }%
12166 }
12167 \def\hyper@natlinkstart#1{%
12168     \Hy@backout{#1}%
12169     \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
12170     \def\hyper@nat@current{#1}%
12171 }
12172 \def\hyper@natlinkend{%
12173     \if@RTL\endR\fi\hyper@linkend
12174 }
12175 \def\hyper@natlinkbreak#1#2{%
12176     \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
12177 }%
12178 }
12179 \pdfstringdefDisableCommands{%
12180     \let\LRE\@firstofone
12181     \let\LR\@firstofone
12182     \let\RLE\@firstofone
12183     \let\RL\@firstofone
12184     \def\XeTeX{Xe\TeX}
12185     \def\XeLaTeX{Xe\LaTeX}
12186 }
12187 \ifpackageloaded{longtable}{%
12188     \begingroup
12189         \def\y{\LT@array}%
12190         \@ifundefined{scr@LT@array}{%
12191             \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
12192             {\def\y{\scr@LT@array}}%

```



```

12193 \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
12194 \expandafter\endgroup
12195 \expandafter\def\y[##1]##2{%
12196 \H@refstepcounter{#1}%
12197 \hyper@makecurrent{table}%
12198 \let\Hy@LT@currentHref\@currentHref
12199 #2\@sharp####4%
12200 }%
12201 }%
12202 \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
12203 \begingroup
12204 \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12205 \endgroup
12206 \def\LT@start{%
12207 #1%
12208 \ifvoid\LT@foot#2\fi
12209 \let\@currentHref\Hy@LT@currentHref
12210 \Hy@raisedlink{%
12211 \hyper@anchorstart{\@currentHref}\hyper@anchorend
12212 }%
12213 #3%
12214 }%
12215 }%
12216 \expandafter\x\LT@start\@nil
12217 }{}

```

7.70 legno-xetex-bidi.def

```

12218 \ProvidesFile{legno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for legno tag for XeTeX
12219 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
12220 \rlap{
12221 \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theeq

```

7.71 letter-xetex-bidi.def

```

12222 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter cla
12223 \renewcommand*\opening{[1]{\ifx\@empty\fromaddress
12224 \thispagestyle{firstpage}%
12225 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12226 \else % home address
12227 \thispagestyle{empty}%
12228 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
12229 \fromaddress \*[2\parskip]%
12230 \@date \end{tabular}\par}%
12231 \fi
12232 \vspace{2\parskip}%
12233 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
12234 \vspace{2\parskip}%
12235 #1\par\nobreak}
12236 \renewcommand\left@footnoterule{%
12237 \kern-\p@

```



```

12238 \hrule \@width .4\columnwidth
12239 \kern .6\p@}
12240 \renewcommand\right@footnoterule{%
12241 \kern-\p@
12242 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12243 \kern .6\p@}

```

7.72 lettrine-xetex-bidi.def

```

12244 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package]
12245 \def\@lettrine[#1]#2#3{%
12246 \setcounter{L@lines}{\theDefaultLines}%
12247 \setcounter{L@depth}{\theDefaultDepth}%
12248 \renewcommand*\L@hang{\DefaultLhang}%
12249 \renewcommand*\L@oversize{\DefaultLoversize}%
12250 \renewcommand*\L@raise{\DefaultLraise}%
12251 \renewcommand*\L@ante{\}%
12252 \setlength{\L@Findent}{\DefaultFindent}%
12253 \setlength{\L@Nindent}{\DefaultNindent}%
12254 \setlength{\L@slope}{\DefaultSlope}%
12255 \setlength{\L@novskip}{\DiscardVskip}%
12256 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12257 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12258 \if\DefaultOptionsFile\relax
12259 \else
12260 \begingroup
12261 \InputIfFileExists{\DefaultOptionsFile}%
12262 {}%
12263 {\PackageWarning{lettrine.sty}%
12264 {File \DefaultOptionsFile\space not found}%
12265 }%
12266 \def\color##1##{\l@color{##1}}%
12267 \let\l@color\@gobbletwo
12268 \def\textcolor##1##{\l@textcolor{##1}}%
12269 \def\l@textcolor##1##2##3{##3}%
12270 \expandafter\ifx\csname l@#2-keys\endcsname\relax
12271 \gdef\l@LOKeys{%
12272 \else
12273 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
12274 \fi
12275 \endgroup
12276 \def\KV@prefix{KV@L@}%
12277 \let\@tempc\relax
12278 \expandafter\KV@do\l@LOKeys,\relax,
12279 \sbox{\L@lbox}{\LettrineFont #2}%
12280 \setlength{\LettrineWidth}{\wd\L@lbox}%
12281 \def\KV@prefix{KV@L@}%
12282 \let\@tempc\relax
12283 \expandafter\KV@do\l@LOKeys,\relax,
12284 \fi

```



```

12285 \setkeys{L}{#1}%
12286 \ifL@image
12287   \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12288 \else
12289   \sbox{\L@lbox}{\LettrineFont #2}%
12290 \fi
12291 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12292 \@tempdima=\baselineskip
12293 \ifnum\theL@lines=1
12294   \setlength{\L@first}{\ht\L@lbox}%
12295   \addtolength{\L@first}{-\ht\L@tbox}%
12296   \setlength{\L@lraise}{\z@}%
12297 \else
12298   \setlength{\L@first}{-\theL@lines\@tempdima}%
12299   \addtolength{\L@first}{\@tempdima}%
12300   \sbox{\@tempboxa}{\LettrineTextFont x}%
12301   \addtolength{\L@first}{-\ht\@tempboxa}%
12302   \setlength{\L@lraise}{-\L@raise\L@first}%
12303   \addtolength{\L@first}{\L@lraise}%
12304   \addtolength{\L@first}{\ht\L@lbox}%
12305   \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
12306   \addtolength{\L@lraise}{\@tempdima}%
12307 \fi
12308 \par
12309 \ifdim\L@first>\L@novskip
12310   \ifL@grid
12311     \@tempdima=\baselineskip
12312     \@tempdimb=\@tempdima
12313     \advance\@tempdimb by \L@novskip
12314     \@tempcnta=1
12315     \loop\ifdim\L@first>\@tempdimb
12316       \advance\@tempcnta by 1
12317       \advance\L@first by -\@tempdima
12318     \repeat
12319     \vskip\@tempcnta\baselineskip
12320   \else
12321     \vskip\L@first
12322   \fi
12323 \fi
12324 \setlength{\L@Pindent}{\wd\L@lbox}%
12325 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12326 \settowidth{\L@first}{\L@ante}%
12327 \addtolength{\L@Pindent}{\L@first}%
12328 \addtolength{\L@Pindent}{\L@Findent}%
12329 \setlength{\L@first}{\linewidth}%
12330 \addtolength{\L@first}{-\L@Pindent}%
12331 \addtolength{\L@Nindent}{\L@Pindent}%
12332 \setlength{\L@next}{\linewidth}%
12333 \addtolength{\L@next}{-\L@Nindent}%
12334 \addtolength{\L@Pindent}{\rightmargin}%

```



```

12335 \addtolength{\L@Nindent}{\rightmargin}%
12336 \setlength{\LettrineWidth}{\wd\L@lbox}%
12337 \setlength{\LettrineHeight}{\ht\L@lbox}%
12338 \setlength{\LettrineDepth}{\dp\L@lbox}%
12339 \addtocounter{L@lines}{1}%
12340 \addtocounter{L@lines}{\the\c@L@depth}%
12341 \ifRTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@P
12342 \@tempcnta=\tw@
12343 \@whilenum \@tempcnta<\c@L@lines\do{%
12344   \ifRTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \t
12345   \addtolength{\L@Nindent}{\L@slope}%
12346   \addtolength{\L@next}{-\L@slope}%
12347   \advance\@tempcnta\@ne}%
12348 \ifRTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \
12349 \noindent
12350 \parshape=\L@parshape\relax
12351 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
12352   \hskip \the\L@Findent}}%
12353 \usebox{\L@tbox}%
12354 }

```

7.73 listings-xetex-bidi.def

```

12355 \ProvidesFile{listings-xetex-bidi.def}[2017/01/14 v1.4 bidi adaptations for listings package]
12356 \lst@Key{captiondirection}{texdirection}{%
12357   \lstKV@SwitchCases{#1}%
12358   {texdirection&\\%
12359     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
12360     LTR&\chardef\bidi@lst@caption@direction\z@%
12361   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12362
12363 \lst@Key{captionscript}{textscript}{%
12364   \lstKV@SwitchCases{#1}%
12365   {textscript&\\%
12366     latin&\chardef\bidi@lst@caption@script\@ne\\%
12367     nonlatin&\chardef\bidi@lst@caption@script\z@%
12368   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12369
12370 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
12371   \@ifundefined{bidi@lst@caption@direction}{}%
12372   \ifnum\bidi@lst@caption@direction=\z@%
12373     #1%
12374   \else%
12375     \ifnum\bidi@lst@caption@direction=\@ne%
12376       #2%
12377     \fi%
12378   \fi%
12379 }}
12380
12381 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%

```



```

12382 \@ifundefined{bidi@lst@caption@script}{}{%
12383   \ifnum\bidi@lst@caption@script=\z@%
12384     #1%
12385   \else%
12386     \ifnum\bidi@lst@caption@script=\@ne%
12387       #2%
12388     \fi%
12389   \fi%
12390 }}
12391
12392 \long\def\@bidi@lst@makecaption#1#2{%
12393   \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
12394   \vskip\abovecaptionskip
12395   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12396   \sbox\@tempboxa{%
12397     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
12398     #1: #2%
12399     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
12400   }%
12401   \ifdim \wd\@tempboxa >\hsize
12402     #1: #2\par
12403   \else
12404     \global \@minipagefalse
12405     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12406   \fi
12407   \vskip\belowcaptionskip}%
12408 \def\lst@makecaption{\@bidi@lst@makecaption}
12409 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
12410 \bidi@AtEndPreamble{%
12411 \bidi@patchcmd{\lst@MakeCaption}{%
12412   \ifx #1t%
12413     \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12414       \expandafter\refstepcounter
12415     \fi {lstlisting}}%
12416 }{%
12417   \ifx #1t%
12418     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12419     \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12420       \expandafter\refstepcounter
12421     \fi {lstlisting}}%
12422     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
12423 }{}{}%
12424 \bidi@patchcmd{\lst@MakeCaption}{%
12425   \addcontentsline{lol}{lstlisting}%
12426   {\protect\numberline{\thelstlisting}\lst@@caption}%
12427 }{%
12428 \begingroup%
12429   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12430   \addcontentsline{lol}{lstlisting}%
12431   {\protect\numberline{\thelstlisting}\lst@@caption}%

```




```

12432 \endgroup%
12433 }{}{}%
12434 }
12435 \@ifpackageloaded{caption}{%
12436   \AtBeginCaption{%
12437     \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
12438     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12439   }
12440   \let\@bidi@lst@makecaption\caption@makecaption%
12441   \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
12442   \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
12443 }{}%
12444 \AtBeginDocument{%
12445   \@ifundefined{captionlabelfalse}{}{}%
12446   \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
12447 \@ifundefined{captionstartrue}{}{}%
12448 \def\lst@maketitle{\captionstartrue\@bidi@lst@makecaption\@empty}}%
12449 }%
12450 }
12451 \AtBeginDocument{
12452   \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
12453   \lst@ifnumberbychapter
12454     \gdef\thelstlisting%
12455       {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
12456   \else
12457     \gdef\thelstlisting{\@arabic\c@lstlisting}
12458   \fi}

```

7.74 loadingorder-xetex-bidi.def

```

12459 \ProvidesFile{loadingorder-xetex-bidi.def}[2015/10/16 v0.96 making sure that bidi is the last
12460 \bidi@isloaded{amsmath}
12461 \bidi@isloaded{amstext}
12462 \bidi@isloaded{amsthm}
12463 \bidi@isloaded{animate}
12464 \bidi@isloaded{breqn}
12465 \bidi@isloaded{cals}
12466 \bidi@isloaded{caption}
12467 \bidi@isloaded{crop}
12468 \bidi@isloaded{cuted}
12469 \bidi@isloaded{cutwin}
12470 \bidi@isloaded{color}
12471 \bidi@isloaded{dblfnote}
12472 \bidi@isloaded{xcolor}
12473 \bidi@isloaded{colortbl}
12474 \bidi@isloaded{float}
12475 \bidi@isloaded{floatrow}
12476 \bidi@isloaded{flowfram}
12477 \bidi@isloaded{framed}
12478 \bidi@isloaded{ftnright}

```



```

12479 \bidi@isloaded{xltextra}
12480 \bidi@isloaded{xunicode}
12481 \bidi@isloaded{wrapfig}
12482 \bidi@isloaded{graphicx}
12483 \bidi@isloaded{geometry}
12484 \bidi@isloaded{hvfloat}
12485 \bidi@isloaded{mdframed}
12486 \bidi@isloaded{midfloat}
12487 \bidi@isloaded{ntheorem}
12488 \bidi@isloaded{ntheorem-hyper}
12489 \bidi@isloaded{hyperref}
12490 \bidi@isloaded{fancybox}
12491 \bidi@isloaded{fancyhdr}
12492 \bidi@isloaded{fix2col}
12493 \bidi@isloaded{draftwatermark}
12494 \bidi@isloaded{empheq}
12495 \bidi@isloaded{overpic}
12496 \bidi@isloaded{pdfpages}
12497 \bidi@isloaded{listings}
12498 \bidi@isloaded{lettrine}
12499 \bidi@isloaded{media9}
12500 \bidi@isloaded{pstricks}
12501 \bidi@isloaded{pgf}
12502 \bidi@isloaded{picinpar}
12503 \bidi@isloaded{quotchap}
12504 \bidi@isloaded{tikz}
12505 \bidi@isloaded{titlesec}
12506 \bidi@isloaded{titletoc}
12507 \bidi@isloaded{array}
12508 \bidi@isloaded{soul}
12509 \bidi@isloaded{stabular}
12510 \bidi@isloaded{subfig}
12511 \bidi@isloaded{subfigure}
12512 \bidi@isloaded{supertabular}
12513 \bidi@isloaded{xtab}
12514 \bidi@isloaded{longtable}
12515 \bidi@isloaded{arydshln}
12516 \bidi@isloaded{multicol}
12517 \bidi@isloaded{multienum}
12518 \bidi@isloaded{minitoc}
12519 \bidi@isloaded{natbib}
12520 \bidi@isloaded{newfloat}
12521 \bidi@isloaded{ragged2e}
12522 \bidi@isloaded{rotating}
12523 \bidi@isloaded{tbls}
12524 \bidi@isloaded{tabulary}
12525 \bidi@isloaded{tocbasic}
12526 \bidi@isloaded{tocstyle}
12527 \bidi@isloaded{tocbibind}
12528 \bidi@isloaded{fontspec}

```



```

12529 \bidi@isloaded{arabxetex}
12530 \bidi@isloaded{polyglossia}
12531 \bidi@isloaded{fancyvrb}
12532 \AtBeginDocument{
12533   \if@bidi@amsmathloaded@else
12534     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi packa
12535   \fi%
12536   \if@bidi@amstextloaded@else
12537     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi packa
12538   \fi%
12539   \if@bidi@amsthmloaded@else
12540     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi packag
12541   \fi%
12542   \if@bidi@animateloaded@else
12543     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi packa
12544   \fi%
12545   \if@bidi@breqnloaded@else
12546     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package
12547   \fi%
12548   \if@bidi@calsloaded@else
12549     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package.
12550   \fi%
12551   \if@bidi@captionloaded@else
12552     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi packa
12553   \fi%
12554   \if@bidi@croplloaded@else
12555     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package.
12556   \fi%
12557   \if@bidi@colorloaded@else
12558     \@ifpackageloaded{hyperref}{\fi%
12559     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package
12560   \fi%
12561   \if@bidi@cutwinloaded@else
12562     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi packag
12563   \fi%
12564   \if@bidi@cutedloaded@else
12565     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package
12566   \fi%
12567   \if@bidi@dblfnloaded@else
12568     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pack
12569   \fi%
12570   \if@bidi@xcolorloaded@else
12571     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi packag
12572   \fi%
12573   \if@bidi@colortblloaded@else
12574     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pack
12575   \fi%
12576   \if@bidi@floatloaded@else
12577     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package
12578   \fi%

```



```

12579 \if@bidi@floatrowloaded@else
12580 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pack
12581 \fi%
12582 \if@bidi@flowframloaded@else
12583 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pack
12584 \fi%
12585 \if@bidi@framedloaded@else
12586 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packag
12587 \fi%
12588 \if@bidi@ftnrightloaded@else
12589 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pack
12590 \fi%
12591 \if@bidi@xltxttraloaded@else
12592 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxttra after bidi packa
12593 \fi%
12594 \if@bidi@xunicodeloaded@else
12595 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pack
12596 \fi%
12597 \if@bidi@wrapfigloaded@else
12598 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi packa
12599 \fi%
12600 \if@bidi@graphicxloaded@else
12601 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pack
12602 \fi%
12603 \if@bidi@geometryloaded@else
12604 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pack
12605 \fi%
12606 \if@bidi@hvfloatloaded@else
12607 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi packa
12608 \fi%
12609 \if@bidi@mdframedloaded@else
12610 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pack
12611 \fi%
12612 \if@bidi@midfloatloaded@else
12613 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pack
12614 \fi%
12615 \if@bidi@ntheoremloaded@else
12616 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pack
12617 \fi%
12618 \if@bidi@hyperrefloaded@else
12619 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pack
12620 \fi%
12621 \if@bidi@fancyboxloaded@else
12622 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pack
12623 \fi%
12624 \if@bidi@fancyhdrloaded@else
12625 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pack
12626 \fi%
12627 \if@bidi@draftwatermarkloaded@else
12628 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bid

```



```

12629 \fi%
12630 \if@bidi@empheqloaded@else
12631 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi packag
12632 \fi%
12633 \if@bidi@overpicloaded@else
12634 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi packa
12635 \fi%
12636 \if@bidi@pdfpagesloaded@else
12637 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pack
12638 \fi%
12639 \if@bidi@lettrineloaded@else
12640 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi pack
12641 \fi%
12642 \if@bidi@listingsloaded@else
12643 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pack
12644 \fi%
12645 \csname if@bidi@media9loaded@endcsname\else
12646 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi packag
12647 \fi%
12648 \if@bidi@pstricksloaded@else
12649 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pack
12650 \fi%
12651 \if@bidi@pgfloaded@else
12652 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
12653 \fi%
12654 \if@bidi@picinparloaded@else
12655 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi pack
12656 \fi%
12657 \if@bidi@quotchaploaded@else
12658 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi pack
12659 \fi%
12660 \if@bidi@tikzloaded@else
12661 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package.
12662 \fi%
12663 \if@bidi@titlesecloaded@else
12664 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi pack
12665 \fi%
12666 \if@bidi@titletocloaded@else
12667 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi pack
12668 \fi%
12669 \if@bidi@arrayloaded@else
12670 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package
12671 \fi%
12672 \if@bidi@stabularloaded@else
12673 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi pack
12674 \fi%
12675 \if@bidi@soulloaded@else
12676 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package.
12677 \fi%
12678 \if@bidi@subfigloaded@else

```



```

12679     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi packag
12680     \fi%
12681     \if@bidi@subfigureloaded@else
12682         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pac
12683     \fi%
12684     \if@bidi@supertabularloaded@else
12685         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi
12686     \fi%
12687     \if@bidi@xtabloaded@else
12688         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package.
12689     \fi%
12690     \if@bidi@longtableloaded@else
12691         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pac
12692     \fi%
12693     \if@bidi@arydshlnloaded@else
12694         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi pack
12695     \fi%
12696     \if@bidi@multicolloaded@else
12697         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi pack
12698     \fi%
12699     \if@bidi@multienumloaded@else
12700         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pac
12701     \fi%
12702     \if@bidi@minitocloaded@else
12703         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packa
12704     \fi%
12705     \if@bidi@natbibloaded@else
12706         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi packag
12707     \fi%
12708     \if@bidi@newfloatloaded@else
12709         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi pack
12710     \fi%
12711     \csname if@bidi@ragged2loaded@endcsname\else
12712         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi pack
12713     \fi%
12714     \if@bidi@rotatingloaded@else
12715         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi pack
12716     \fi%
12717     \if@bidi@tblsloaded@else
12718         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package
12719     \fi%
12720     \if@bidi@tabularyloaded@else
12721         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi pack
12722     \fi%
12723     \if@bidi@tocbasicloaded@else
12724         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi pack
12725     \fi%
12726     \if@bidi@tocstyleloaded@else
12727         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi pack
12728     \fi%

```



```

12729 \if@bidi@tocbibindloaded@\else
12730   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pac
12731   \fi%
12732 \if@bidi@fontspecloaded@\else
12733   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pack
12734   \fi%
12735 \if@bidi@arabxetexloaded@\else
12736   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pac
12737   \fi%
12738 \if@bidi@polyglossialloaded@\else
12739   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi p
12740   \fi%
12741 \if@bidi@fancyvrbloaded@\else
12742   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pack
12743   \fi%
12744 }

```

7.75 longtable-xetex-bidi.def

```

12745 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable packag
12746 \def\LT@array[#1]#2{%
12747   \refstepcounter{table}\stepcounter{LT@tables}%
12748   \if l#1%
12749     \ifRTLtab\LTleft\fill \LTRight\z@\else\LTleft\z@ \LTRight\fill\fi
12750   \else\if r#1%
12751     \ifRTLtab\LTleft\z@ \LTRight\fill\else\LTleft\fill \LTRight\z@\fi
12752   \else\if c#1%
12753     \LTleft\fill \LTRight\fill
12754   \fi\fi\fi
12755   \let\LT@mc@col\multicolumn
12756   \let\LT@tabarray\@tabarray
12757   \let\LT@hline\hline
12758   \def\@tabarray{%
12759     \let\hline\LT@hline
12760     \LT@tabarray}%
12761   \let\LT@tabularcr\let\tabularnewline\\
12762   \def\newpage{\noalign{\break}}%
12763   \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
12764   \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
12765   \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
12766   \@tempdima\ht\strutbox
12767   \let\@endpbox\LT@endpbox
12768   \ifx\extrarowheight\@undefined
12769     \let\@acol\@tabacol
12770     \let\@classz\@tabclassz \let\@classiv\@tabclassiv
12771     \def\@startpbox{\vtop\LT@startpbox}%
12772     \let\@@startpbox\@startpbox
12773     \let\@@endpbox\@endpbox
12774     \let\LT@LL@FM@cr\@tabularcr
12775   \else

```



```

12776 \advance\@tempdima\extrarowheight
12777 \col@sep\tabc@colsep
12778 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
12779 \fi
12780 \setbox\@arstrutbox\hbox{\vrule
12781 \@height \arraystretch \@tempdima
12782 \@depth \arraystretch \dp \strutbox
12783 \@width \z@}%
12784 \let\@sharp#\let\protect\relax
12785 \begingroup
12786 \@mkpream{#2}%
12787 \xdef\LT@bchunk{%
12788 \global\advance\c@LT@chunks\@ne
12789 \global\LT@rows\z@\setbox\z@\vbox\bgroup
12790 \LT@setprevdepth
12791 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
12792 \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
12793 \endgroup
12794 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
12795 \LT@make@row
12796 \m@th\let\par\@empty
12797 \everycr{}\lineskip\z@\baselineskip\z@
12798 \LT@bchunk}
12799 \def\LT@makecaption#1#2#3{%
12800 \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
12801 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
12802 \ifdim\wd\@tempboxa>\hsize
12803 #1{#2: }#3%
12804 \else
12805 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
12806 \fi
12807 \endgraf\vskip\baselineskip}%
12808 \hss}}
12809 \@ifpackageloaded{caption}{%
12810 \renewcommand\LT@makecaption[3]{%
12811 \caption@LT@make{%
12812 \caption@settype*\LTcaptype
12813 \ifdim\LTcapwidth=4in \else
12814 \setcaptionwidth\LTcapwidth
12815 \fi
12816 \caption@setoptions{longtable}%
12817 \caption@setoptions{@longtable}%
12818 \caption@LT@setup
12819 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
12820 \caption@startrue#1\caption@starfalse
12821 \caption@prepare@stepcounter\LTcaptype{LT}%
12822 \caption@begin\LTcaptype
12823 \caption@normalsize
12824 \vskip-\ht\strutbox
12825 \caption@if@top{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%

```




```

12826         \caption@@make{#2}{#3}\endgraf
12827         \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
12828         \caption@end}}}%
12829 }{}
12830 \def\LT@startpbox#1{%
12831   \bgroup
12832   \let\@footnotetext\LT@p@ftntext
12833   \let\@LTRfootnotetext\LT@p@LTRftntext
12834   \let\@RTLfootnotetext\LT@p@RTLftntext
12835   \setlength\hsize{#1}%
12836   \@arrayparboxrestore
12837   \vrule \@height \ht\@arstrutbox \@width \z@}
12838 \def\LT@p@LTRftntext#1{%
12839   \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
12840   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
12841 \def\LT@p@RTLftntext#1{%
12842   \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
12843   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
12844
12845
12846 \def\LT@output{%
12847   \ifnum\outputpenalty <-\@Mi
12848     \ifnum\outputpenalty > -\LT@end@pen
12849       \LT@err{floats and marginpars not allowed in a longtable}\@ehc
12850     \else
12851       \setbox\z@\vbox{\unvbox\@cclv}%
12852       \ifdim \ht\LT@lastfoot>\ht\LT@foot
12853         \dimen@ \pagegoal
12854         \advance\dimen@-\ht\LT@lastfoot
12855         \ifdim\dimen@<\ht\z@
12856           \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
12857           \@makecol
12858           \@outputpage
12859           \setbox\z@\vbox{\box\LT@head}%
12860         \fi
12861       \fi
12862       \global\@colroom\@colht
12863       \global\vsizel\@colht
12864       \vbox
12865         {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
12866         \fi
12867       \else
12868         \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
12869         \@makecol
12870         \@outputpage
12871         \global\vsizel\@colroom
12872         \copy\LT@head\nobreak
12873       \fi}

```



7.76 mdframed-xetex-bidi.def

```

12874 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package
12875 \newif\if@bidi@mdf@RTL
12876 \def\mdf@lrbox#1{%
12877   \mdf@patchamsthm%patch amsthm
12878   \if@RTL\@bidi@mdf@RTLtrue\fi%
12879   \@RTLfalse%
12880   \setbox#1\vbox\bgroup%
12881   \color@begingroup%
12882   \if@bidi@mdf@RTL\@RTLtrue\fi%
12883   \mdf@horizontalmargin@equation%
12884   \columnwidth=\hsize%
12885   \textwidth=\hsize%
12886   \let\if@nobreak\iffalse%
12887   \let\if@noskipsec\iffalse%
12888   \let\par\@par%
12889   \let\-\@dischph%
12890   \let'\@acci\let\`@accii\let\=@acciii%
12891   \parindent\z@ \parskip\z@skip%
12892   \linewidth\hsize%
12893   \@totalleftmargin\z@%
12894   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
12895   \parfillskip\@flushglue \lineskip\normallineskip%
12896   \baselineskip\normalbaselineskip%
12897 %% \sloppy%
12898 \let\\\@normalcr%
12899 \mdf@par@local%New feature to restore parskip/parindent local in save box
12900 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
12901 \@afterindentfalse%
12902 %\@afterheading%
12903 }
12904 \renewrobustcmd\mdfframetitleenv[1]{%
12905   \mdf@lrbox{\mdf@frametitlebox}%
12906   \mdf@frametitlealignment%
12907   \leavevmode{\color{\mdf@frametitlefontcolor}%
12908     \normalfont\mdf@frametitlefont{#1}
12909     \ifbool{mdf@ignorerelatdescenders}%
12910       {%
12911         \par\strut\par
12912         \unskip\unskip\setbox0=\lastbox
12913         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
12914       }{}%
12915   \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
12916   \endmdf@lrbox\relax%
12917 \mdf@ignorevbadness%
12918 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
12919 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
12920 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
12921 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%

```



```

12922 \mdfframetitleboxtotalheight=\dimexpr
12923         \ht\mdf@frametitlebox
12924         +\dp\mdf@frametitlebox%
12925         +\mdf@frametitleaboveskip@length
12926         +\mdf@frametitlebelowskip@length
12927         \relax%
12928 }
12929
12930 \renewrobustcmd*\mdf@footnoteoutput{%
12931     \ifvoid\@mpfootins\else%
12932         \nobreak%
12933         \vskip\mdf@footnotedistance@length%
12934         \normalcolor%
12935         \bidi@mpfootnoterule%
12936         \unvbox\@mpfootins%
12937     \fi%
12938 }
12939
12940
12941 \renewrobustcmd*\mdf@footnoteinput{%
12942     \def\@mpfn{mpfootnote}%
12943     \def\thempfn{\thempfootnote}%
12944     \c@mpfootnote\z@%
12945     \let\@footnotetext\@mpfootnotetext%
12946     \let\@LTRfootnotetext\@mpLTRfootnotetext%
12947     \let\@RTLfootnotetext\@mpRTLfootnotetext%
12948 }

```

7.77 bidi-media9.sty

```

12949 \ProvidesExplPackage{bidi-media9}{2016/05/03}{0.2}
12950 {bidi fixes for media9 package for the XeTeX engine}
12951
12952 \keys_define:nn{media9/mbtn}{
12953     draft .code:n = {},
12954     final .code:n = {},
12955
12956     tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
12957     tooltip .value_required:n = {true},
12958
12959     overface .code:n = {
12960         %\hbox_set:Nn\l_mix_poster_box{#1}
12961         \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12962         \mix_pdfxform:n{\l_mix_poster_box}
12963         \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
12964     },
12965     overface .value_required:n = {true},
12966
12967     downface .code:n = {
12968         %\hbox_set:Nn\l_mix_poster_box{#1}

```



```

12969 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12970 \mix_pdfxform:n{\l_mix_poster_box}
12971 \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
12972 },
12973 downface .value_required:n = {true},
12974
12975 3Dgotoview .code:n = {
12976   \tl_set:Nx\l_tmpa_tl{#1} %extract ref
12977   \regex_replace_once:nnN{([~:]+):??.*}{\1}\l_tmpa_tl
12978   \tl_trim_spaces:N\l_tmpa_tl
12979   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
12980     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
12981       \tl_set:Nx\l_tmpb_tl{#1} %extract idx
12982       \regex_replace_once:nnN{[~:]+:??}{\1}\l_tmpb_tl
12983       \tl_trim_spaces:N\l_tmpb_tl
12984       \tl_if_blank:VF\l_tmpb_tl{
12985         \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
12986           \tl_set:Nx\l_mix_vidx_tl{/\l_tmpb_tl}
12987         }{
12988           \regex_match:nVTF{^~d+$}\l_tmpb_tl{
12989             \tl_set:Nx\l_mix_vidx_tl{~\l_tmpb_tl}
12990           }{
12991             \regex_replace_once:nnN{^~(\s*)}{\1}\l_tmpb_tl
12992             \regex_replace_once:nnN{(\s*)$}{\1}\l_tmpb_tl
12993             \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
12994           }
12995         }
12996       }
12997       \mix_pdfobj:nnn{}{dict}{
12998         /S/JavaScript/JS~(
12999           if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13000           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13001             annotRM['\l_tmpa_tl']=
13002               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13003           }
13004           annotRM['\l_tmpa_tl'].activated=true;
13005         )
13006         \tl_if_blank:VF\l_tmpb_tl{
13007           /Next~<<
13008           /S/GoTo3DView
13009           /TA~\tl_use:c{ann@\l_tmpa_tl}
13010           /V\l_mix_vidx_tl
13011         >>
13012       }
13013     }
13014     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13015   }
13016 }{
13017   \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
13018   \cs_if_exist:NF\g_mix_refundefwarned_tl{

```



```

13019         \tl_new:N\g_mix_refundefwarned_tl
13020         \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
13021     }
13022 }
13023 },
13024 3Dgotoview .value_required:n = {true},
13025
13026 mediacommand .code:n = {
13027     \tl_set:Nx\l_tmpa_tl{#1}
13028     \regex_replace_once:nnN{([~:~+):??.*}{\1}\l_tmpa_tl %extract ref
13029     \tl_trim_spaces:N\l_tmpa_tl
13030     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13031         \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13032             \tl_set:Nx\l_tmpb_tl{#1}
13033             \regex_replace_once:nnN{[~:~+):\~?}{\1}\l_tmpb_tl
13034             \tl_trim_spaces:N\l_tmpb_tl
13035             \regex_replace_all:nnN{^{\1}$}{\1}\l_tmpb_tl
13036             \tl_set:Nx\l_mix_cmd_tl{
13037                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
13038             \tl_trim_spaces:N\l_mix_cmd_tl
13039             \tl_set:Nx\l_mix_arg_tl{
13040                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
13041             \tl_trim_spaces:N\l_mix_arg_tl
13042             \mix_pdfobj:nnn{}{dict}{
13043                 /S/JavaScript/JS~(
13044                     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13045                     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13046                         annotRM['\l_tmpa_tl']=
13047                             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13048                     }
13049                     annotRM['\l_tmpa_tl'].activated=true;
13050                 )
13051             \tl_if_blank:VF\l_mix_cmd_tl{
13052                 /Next~<<
13053                 /S/RichMediaExecute
13054                 /TA~\tl_use:c{ann@\l_tmpa_tl}
13055                 /TI~\tl_use:c{main@\l_tmpa_tl}
13056                 /CMD~<<
13057                 /C~(\l_mix_cmd_tl)
13058                 \tl_if_blank:VF\l_mix_arg_tl{
13059                     /A~[\l_mix_arg_tl]
13060                 }
13061                 >>
13062             }
13063         }
13064     }
13065     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13066 }
13067 }{
13068     \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}

```



```

13069     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13070       \tl_new:N\g_mix_refundefwarned_tl
13071       \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
13072     }
13073   }
13074 },
13075 mediacommand .value_required:n = {true},
13076
13077 jsaction .code:n = {
13078   \tl_set:Nx\l_tmpa_tl{#1}
13079   \regex_match:nVTF{^[^:]+:.*$}\l_tmpa_tl{
13080     \regex_replace_once:nnN{([~:]+):??.*}{\1}\l_tmpa_tl %extract ref
13081     \tl_trim_spaces:N\l_tmpa_tl
13082   }\tl_clear:N\l_tmpa_tl}
13083   \tl_set:Nx\l_tmpb_tl{#1}
13084   \tl_if_blank:VF\l_tmpa_tl{
13085     \tl_if_exist:cF{ann@\l_tmpa_tl}{
13086       \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
13087       \cs_if_exist:NF\g_mix_refundefwarned_tl{
13088         \tl_new:N\g_mix_refundefwarned_tl
13089         \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
13090       }
13091     }
13092     \regex_replace_once:nnN{[~:]+\:}{\1}\l_tmpb_tl
13093   }
13094   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13095   \tl_trim_spaces:N\l_tmpb_tl
13096   \tl_if_blank:VF\l_tmpb_tl{
13097     \mix_pdfobj:nnn{}{dict}{
13098       /S/JavaScript/JS~(
13099         try{\l_tmpb_tl}catch(e){console.show();console.println(e)})}}
13100   \bool_if:nT{
13101     \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
13102     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13103   }{
13104     \mix_pdfobj:nnn{}{dict}{
13105       /S/JavaScript/JS~(
13106         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13107         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13108           annotRM['\l_tmpa_tl']=
13109             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13110         }
13111         annotRM['\l_tmpa_tl'].activated=true;
13112       )
13113       \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13114     }
13115   }
13116   \bool_if:nT{
13117     \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
13118     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}}|

```



```

13119      !\tl_if_blank_p:V\l_tmpb_tl
13120    }{
13121      \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13122    }
13123  },
13124  jsaction .value_required:n = {true},
13125
13126  unknown .code:n = {
13127    \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
13128  }
13129 }
13130
13131
13132 \RenewDocumentCommand\includemedia{0{mm}}{%#1 options, #2 text/image #3 media file
13133   \mix_urienid:
13134   \group_begin:
13135   \beginL
13136   \leavevmode
13137   %empty stream as appearance dummy
13138   \cs_if_exist:NF\g_mix_appearance_tl{
13139     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
13140     \mix_pdfxform:n{\l_mix_poster_box}
13141     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
13142   }
13143   \mix_reset:
13144   \mix_uribegin: %treat URI characters correctly
13145   \keys_set:nn{media9/user}{#1}
13146   \mix_urienid:
13147   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
13148   \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
13149   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
13150   \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
13151   \tl_gtrim_spaces:N\g_mix_flashvars_tl
13152
13153   \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
13154
13155   %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
13156   %\hbox_set:Nn\l_mix_poster_box{#2}
13157   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13158   \mix_scale:n{\l_mix_poster_box}
13159   \bool_if:nT{
13160     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
13161     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
13162   }{
13163     \tl_gset:Nn\g_mix_usrpbtn_tl{none}
13164   }
13165   \bool_if:NTF\g_mix_usrdraft_bool{
13166     \tl_if_empty:NF\g_mix_usrlabel_tl{
13167       \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
13168     }

```



```

13169 \tl_if_blank:oTF{#2}{
13170   \mix_uribegin: %treat URI characters correctly
13171   \mix_draftbox:n{\tl_to_str:n{#3}}
13172   \mix_uriend:
13173 }{
13174   \hbox_to_wd:nn{\g_mix_wd_tl}{
13175     \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
13176     \box_use:N\l_mix_poster_box\hss
13177   }
13178 }
13179 }{
13180   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
13181     %attach script that switches off play button overlay upon activation
13182     \mix_pdfobj:nnn{}{stream}{
13183       {}{
13184         var~ocgs=host.getOCGs(host.pageNum);
13185         for(var~i=0;i<ocgs.length;i++){
13186           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13187             ocgs[i].state=false;
13188           }
13189         }
13190       }
13191     }
13192     \mix_pdfobj:nnn{}{dict}{
13193       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
13194     }
13195     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
13196     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
13197     %enforce plain playbutton overlay for XeTeX
13198     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
13199   }
13200   %embed main asset
13201   \mix_uribegin:
13202   \mix_embedasset:n{#3}
13203   \bool_if:nTF{
13204     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
13205   }{
13206     \bool_gset_true:N\g_mix_iiid_bool
13207     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
13208   }{
13209     \str_case_x:nnF{\l_mix_base_tl}{
13210       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13211       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13212       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13213       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13214       {StrobeMediaPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13215     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
13216   }
13217   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
13218   \mix_uriend:

```




```

13219 %secondary assets (added by addresource)
13220 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
13221 \seq_map_inline:Nn\g_mix_script_seq{
13222   \mix_embedasset:n{##1}
13223   \tl_put_right:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl}
13224 }
13225 %attach 3D calculation script
13226 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
13227   \mix_embedasset:n{3Dmenu.js}
13228   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
13229 }
13230 %create 3D views from file (option 3Dviews)
13231 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
13232   \tl_set:Nn\l_mix_level_tl{\c_minus_one}
13233   \int_zero:N\l_mix_viewcnt_int
13234   \int_zero:N\l_mix_lineno_int
13235
13236   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
13237   \ior_map_inline:Nn\l_mix_vfile_stream{
13238     \int_incr:N\l_mix_lineno_int
13239     \keys_set:nn{media9/views}{##1} %process input line
13240   }
13241   \ior_close:N\l_mix_vfile_stream
13242 }
13243 \bool_if:nT{ %create default 3D view if required
13244   \g_mix_iiid_bool &&
13245   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
13246 }{
13247   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
13248   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
13249   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
13250   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
13251   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
13252   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
13253   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
13254
13255   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
13256   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
13257   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
13258   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
13259
13260   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
13261   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
13262   \tl_clear:N\l_mix_naarray_tl
13263
13264   \bool_if:NF\l_mix_ciiw_bool{
13265     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
13266     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
13267   }
13268

```



```

13269 \tl_clear:N\l_mix_naarray_tl
13270 \tl_clear:N\l_mix_saarray_tl
13271 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
13272
13273 \mix_view:n{Default}
13274 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
13275
13276 }
13277 \mix_pdfobj:nnn{}{dict}{
13278 /Type/RichMediaInstance
13279 /Subtype/\g_mix_mainassetsub_tl
13280 /Asset~\g_mix_mainasset_tl
13281 \bool_if:NF\g_mix_iiid_bool{
13282 /Params~<<
13283 /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
13284 /Foreground
13285 }{
13286 /Background
13287 }
13288 \tl_if_blank:VF\g_mix_flashvars_tl{
13289 /FlashVars~(\g_mix_flashvars_tl)
13290 }
13291 >>
13292 }
13293 }
13294 \tl_if_empty:NF\g_mix_usrlabel_tl{
13295 \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
13296 }
13297 \mix_pdfobj:nnn{}{dict}{
13298 /Type/RichMediaConfiguration
13299 /Subtype/\g_mix_mainassetsub_tl
13300 /Instances~[\mix_pdflastobj:]
13301 }
13302 \mix_pdfobj:nnn{}{dict}{
13303 /Type/RichMediaContent
13304 /Assets~<</Names~[\g_mix_assets_tl]>>
13305 /Configurations~[\mix_pdflastobj:]
13306 \bool_if:nT{
13307 \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
13308 }{
13309 /Views~[\l_mix_iiidviewarray_tl]
13310 }
13311 }
13312 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
13313 \bool_if:nT{
13314 \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
13315 }{
13316 \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
13317 }
13318 %determine floating window size

```



```

13319 \bool_if:NT\g_mix_opt_windowed_bool{
13320   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
13321 }
13322 \mix_pdfobj:nnn{}{dict}{
13323   /Activation~<<
13324   /Condition\g_mix_act_tl
13325   \bool_if:NT{
13326     \g_mix_iiid_bool &&
13327     !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
13328   }{%seems to work only with 3D content
13329     /Animation~<<
13330     /Subtype\g_mix_playtpe_tl
13331     /PlayCount~\g_mix_playcnt_tl
13332     /Speed~\g_mix_playspd_tl
13333     >>
13334   }
13335   \bool_if:NT{
13336     \g_mix_iiid_bool && (
13337       \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
13338     )
13339   }{/View~\l_mix_dfltview_tl}
13340   /Presentation~<<
13341   /Transparent~\g_mix_transp_tl
13342   \bool_if:NTF\g_mix_opt_windowed_bool{
13343     /Style/Windowed
13344     /Window~<<
13345     /Width~<</Default~\tl_mix_fltd>>
13346     /Height~<</Default~\tl_mix_fltht>>
13347     /Position~<<
13348     /HOffset~0/VOffset~0
13349     \str_case_x:nnF{\g_mix_winpos_tl}{
13350       {tl}{/VAlign/Near/HAlign/Near}
13351       {cl}{/VAlign/Center/HAlign/Near}
13352       {bl}{/VAlign/Far/HAlign/Near}
13353       {bc}{/VAlign/Far/HAlign/Center}
13354       {br}{/VAlign/Far/HAlign/Far}
13355       {cr}{/VAlign/Center/HAlign/Far}
13356       {tr}{/VAlign/Near/HAlign/Far}
13357       {tc}{/VAlign/Near/HAlign/Center}
13358     }{/HAlign/Center/VAlign/Center}
13359     >>
13360   >>
13361   }{
13362     /Style/Embedded
13363   }
13364   \bool_if:NTF\g_mix_iiid_bool{
13365     /Toolbar~\g_mix_tools_tl
13366     /NavigationPane~\g_mix_nav_tl
13367   }{
13368     /PassContextClick~\g_mix_contextclick_tl

```



```

13369     }
13370     >>
13371     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
13372     >>
13373     /Deactivation~<</Condition\g_mix_deact_tl>>
13374 }
13375 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
13376 \tl_if_empty:NF\g_mix_usrlabel_tl{
13377     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
13378 }
13379 % #1:width, #2:height, #3:depth, #4:content (key-value)
13380 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
13381     /Subtype/RichMedia
13382     /F~4\cs_if_exist_use:N\ocgxii@insert@OC
13383     /BS~<</W~0/S/S>>
13384     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
13385     /NM~(\g_mix_label_tl)
13386     /AP~<</N~\g_mix_appearance_tl>>
13387     /RichMediaSettings~\l_mix_settings_tl
13388     /RichMediaContent~\l_mix_content_tl
13389 }
13390 \tl_if_empty:NF\g_mix_usrlabel_tl{
13391     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
13392     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
13393         \noexpand\the\g@mix@page@int}
13394 }
13395 \mix_pdfobj:nnn{}{dict}{
13396     /S/JavaScript/JS~(
13397     try{
13398         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13399         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
13400             annotRM['\g_mix_label_tl']=
13401                 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
13402         }
13403         \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
13404             if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
13405                 var~ocgs=this.getOCGs(this.pageNum);
13406                 for(var~i=0;i<ocgs.length;i++){
13407                     if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13408                         var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
13409                     }
13410                 }
13411             }
13412             if(
13413                 !annotRM['\g_mix_label_tl'].activated&&(
13414                     app.viewerType=='Reader' ||
13415                     app.viewerType=='Exchange' ||
13416                     app.viewerType=='Exchange-Pro'
13417                 )&&app.viewerVersion>=9
13418             ){

```



```

13419         ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
13420     }
13421 }
13422 }catch(e){}
13423 this.dirty=false;
13424 )
13425 }
13426 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
13427 /Subtype/Widget
13428 /FT/Btn/Ff-65537/F~2
13429 /BS~<</W~0>>
13430 /T~(fd@g_mix_label_tl)
13431 /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
13432 }
13433 \mix_appendtofields:n{\mix_pdflastann:}
13434 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
13435 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
13436 \hbox_to_wd:nn{\g_mix_wd_tl}{
13437 \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
13438 }
13439 }{%insert play button overlay
13440 \mix_insert_btnocg: %create OCG
13441 \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@g_mix_usrpbtn_tl @tl}
13442 %\hbox_set:Nn\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
13443 \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
13444 \box_move_down:nn{\g_mix_dp_tl}{
13445 \hbox_to_wd:nn{\g_mix_wd_tl}{
13446 \vbox_to_ht:nn{\g_mix_tt_tl}{
13447 \vss
13448 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
13449 \box_use:N\l_mix_pbtn_box
13450 \ocgbase_oc_emc:
13451 }
13452 }
13453 }
13454 }
13455 \int_gincr:N\g_mix_rmcnt_int
13456 }
13457 \endL
13458 \group_end:
13459 }
13460 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
13461 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
13462
13463
13464
13465 \RenewDocumentCommand\mediabutton{O{}m}{%#1 options, #2 normal button text
13466 \mix_uriend:
13467 \group_begin:
13468 \beginL

```



```

13469 \leavevmode
13470 %reset various variables
13471 \tl_gclear:N\g_mix_overbtn_tl
13472 \tl_gclear:N\g_mix_downbtn_tl
13473 \tl_gclear:N\g_mix_btnactions_tl
13474 \tl_gclear:N\g_mix_tooltip_tl
13475 %process options
13476 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
13477 \mix_uribegin: %treat URI characters correctly
13478 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
13479 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
13480 \mix_uriend:
13481 %normal button appearance
13482 %\hbox_set:Nn\l_mix_poster_box{#2}
13483 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13484 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
13485 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
13486 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
13487 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
13488   \mix_pdfxform:n{\l_mix_poster_box}
13489   \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
13490   \bool_if:nT{ %dummy Widget for ocgx2, AR seems to need it
13491 %     \cs_if_exist_p:N\ocgxii@insert@OC && !\tl_if_blank_p:V\ocgxii@insert@OC
13492     !\cs_if_exist:NTF\ocgxii@insert@OC{
13493       \tl_if_blank_p:V\ocgxii@insert@OC
13494     }{
13495       \c_true_bool
13496     }
13497   }{\mix_pdfannot:nnnn{\width}{\height}{\depth}{/Subtype/Widget/F-2}}
13498   %insert widget annotation
13499   \mix_pdfannot:nnnn{\width}{\height}{\depth}{
13500     /Subtype/Widget
13501     /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
13502     \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
13503     /FT/Btn/Ff-65536\cs_if_exist_use:N\ocgxii@insert@OC
13504     \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
13505     /AP~<<
13506     /N~\g_mix_normalbtn_tl
13507     \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
13508     \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
13509     >>
13510     /MK~<<
13511     /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
13512     /I~\g_mix_normalbtn_tl
13513     \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
13514     \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
13515     >>
13516     /A~<<
13517     /S/JavaScript/JS~(app.focusRect=false;)
13518     %sequence of actions to perform

```



```

13519         \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
13520     >>
13521 }
13522 \mix_appendtofields:nf{\mix_pdflastann:}
13523 \hbox_to_wd:nn{\width}{
13524     \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
13525 }
13526 \int_gincr:N\g_mix_mbtncnt_int
13527 }
13528 \endL
13529 \group_end:
13530 }
13531 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
13532 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
13533
13534
13535

```

7.78 memoir-xetex-bidi.def

```

13536 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for Xe
13537 \renewcommand{\keepthetitle}{%
13538     \@bsmtitleempty
13539     \global\let\thanks\relax
13540     \global\let\LTRthanks\relax
13541     \global\let\RTLthanks\relax
13542     \global\let\and\relax
13543     \global\let\andnext\relax
13544     \global\let\@thanks\@empty
13545     \global\let\@title\@empty
13546     \global\let\@author\@empty
13547     \global\let\@date\@empty}
13548 \renewcommand{\maketitle}{\par
13549     \begingroup
13550     \@bsmarkseries
13551     \def\@makefnmark{\@textsuperscript{%
13552         \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
13553     \long\def\@makefntext##1{\makethanksmark ##1}
13554     \if@twocolumn
13555         \ifnum \col@number=\@ne
13556             \@maketitle
13557         \else
13558             \twocolumn[\@maketitle]%
13559         \fi
13560     \else
13561         \ifdim\pagetotal>z@
13562             \newpage
13563         \fi
13564         \global\@topnum\z@
13565         \@maketitle

```



```

13566 \fi
13567 \thispagestyle{title}\@thanks
13568 \endgroup
13569 \@bscontmark % \setcounter{footnote}{0}%
13570 }
13571 \renewcommand*{\memRTLleftskip}{\if@RTL\righskip\else\leftskip\fi}
13572 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\righskip\fi}
13573 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrighskip\else\vleftskip\fi}
13574 \renewcommand*{\memRTLvrighskip}{\if@RTL\vleftskip\else\vrighskip\fi}
13575 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
13576 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
13577 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
13578 \renewcommand*{\thesubsection}{%
13579 \thesection\@SepMark\@arabic\c@subsection}
13580 \renewcommand*{\thesubsubsection}{%
13581 \thesubsection\@SepMark\@arabic\c@subsubsection}
13582 \renewcommand*{\theparagraph}{%
13583 \thesubsubsection\@SepMark\@arabic\c@paragraph}
13584 \renewcommand*{\thesubparagraph}{%
13585 \theparagraph\@SepMark\@arabic\c@subparagraph}
13586 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
13587 \renewcommand{\theequation}{%
13588 \ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13589 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
13590 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
13591 \ifartopt
13592 \chapterstyle{article}
13593 \counterwithout{figure}{chapter}
13594 \counterwithout{table}{chapter}
13595 \counterwithout{footnote}{chapter}
13596 \counterwithout{equation}{chapter}
13597 \renewcommand{\chaptername}{\}
13598 \renewcommand{\maketitlehookb}{%
13599 \vskip -1.5\topsep\vskip -1.5\partopsep}
13600 \renewcommand{\maketitlehookc}{%
13601 \vskip -1.5\topsep\vskip -1.5\partopsep}
13602 \fi
13603 \long\def\@makecaption#1#2{\let\@memtempa\relax
13604 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
13605 \else \def\@memtempa{\vbox to\topskip{}}\fi
13606 \let\@contfnote\footnote \renewcommand{\footnote}[2][]{\}
13607 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1][]{\}
13608 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
13609 \let\footnote\@contfnote
13610 \let\footnotemark\@contfmark
13611 \ifdim\wd\@tempboxa<\linewidth \centering \fi
13612 \if@contcw
13613 \centering
13614 \parbox{\@contcwidth}{%
13615 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi

```




```

13616 \fi
13617 \ifdim\wd\@tempboxa<\linewidth
13618 \contpre
13619 {\@contnfont #1\@contdelim}\@memtempa
13620 {\@contcshortstyle \@conttfont #2\@contfinal\par}
13621 \else
13622 \if@conthang
13623 \sbox\@tempboxa{\@contnfont #1\@contdelim}
13624 \contpre%
13625 {\@contcstyle\hangindent=\wd\@tempboxa
13626 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
13627 \else
13628 \if@contindent
13629 \contpre%
13630 {\@contnfont #1\@contdelim}\@memtempa
13631 {\@contcstyle\hangindent=\@contindw
13632 \hangafter=\@ne\@conttfont #2\@contfinal\par}}% <- v1.4
13633 \else
13634 \contpre%
13635 {\@contnfont #1\@contdelim}\@memtempa
13636 {\@contcstyle \@conttfont #2\@contfinal\par}
13637 \fi
13638 \fi
13639 \fi
13640 \@contpost
13641 \if@contcw
13642 \par
13643 } % end of the \parbox
13644 \fi
13645 \vskip\belowcaptionskip}
13646 \ifpackageloaded{caption}{%
13647 \AtBeginPackage{caption}{
13648 \ClassWarningNoLine{memoir}{%
13649 You are using the caption package with the memoir \MessageBreak
13650 class. This may cause unexpected or inconsistent \MessageBreak
13651 results if you use any of memoir's captioning facilities}
13652 }
13653 \long\def\@makecaption##1##2{%
13654 \vskip\abovecaptionskip
13655 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
13656 \ifdim \wd\@tempboxa >\hsize
13657 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
13658 \else
13659 \global \@minipagefalse
13660 \hbext@\hsize{\hfil\box\@tempboxa\hfil}%
13661 \fi
13662 \vskip\belowcaptionskip}
13663 }
13664 \def\caption{%
13665 \ifx\@captype\@undefined

```



```

13666 \latexerror{\noexpand\caption outside float}\@ehd
13667 \expandafter\@gobble
13668 \else
13669 \refstepcounter\@capttype
13670 \expandafter\@firstofone
13671 \fi
13672 {\@dblarg{\@caption\@capttype}}}%
13673 }
13674
13675 \long\def\@caption##1[##2]##3{%
13676 \par
13677 \addcontentsline{\csname ext@##1\endcsname}{##1}%
13678 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}}%
13679 \begingroup
13680 \parboxrestore
13681 \if@minipage
13682 \setminipage
13683 \fi
13684 \normalsize
13685 \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
13686 \endgroup}
13687 }}{}
13688 \renewenvironment{thebibliography}[1]{%
13689 \bibsection
13690 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13691 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

7.79 midfloat-xetex-bidi.def

```

13692 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
13693 \def\RTL@outputdblcol{%
13694 \if@firstcolumn
13695 \global \@firstcolumnfalse
13696 \global\setbox\@leftcolumn\copy\@outputbox
13697 \splitmaxdepth\maxdimen
13698 \vbadness\maxdimen
13699 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13700 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13701 \toks@{\expandafter{\topmark}}%
13702 \xdef\@firstcoltopmark{\the\toks@}%
13703 \toks@{\expandafter{\splitfirstmark}}%
13704 \xdef\@firstcolfirstmark{\the\toks@}%
13705 \ifx\@firstcolfirstmark\@empty
13706 \global\let\@setmarks\relax
13707 \else
13708 \gdef\@setmarks{%
13709 \let\firstmark\@firstcolfirstmark
13710 \let\topmark\@firstcoltopmark}%
13711 \fi
13712 \global\c@colht\@colht\global\c@addvipersep\z@

```



```

13713 \ifnum\jua@sk>0
13714 \remove@strip\jua@sar
13715 \global\@colht\the\jua@pr
13716 \ifdim\right@cor>\z@
13717 \global\advance\@colht by\right@cor
13718 \fi
13719 \global\advance\@colht by\cor@height
13720 \global\cor@height=0pt
13721 \fi
13722 \global \setbox\@rightcolumn \vbox{%
13723 \else
13724 \ifdim\c@colht>\@colht
13725 \@tempdima\@colht
13726 \ifdim\@colht>\z@
13727 \global\setbox\@rightcolumn \vbox{%
13728 \unvbox\@rightcolumn
13729 \vbox to\@tempdima{%
13730 \vskip\c@addvipersep\unvbox\@outputbox}%
13731 \vskip\stripsep
13732 \vrule height\the\jua@ht width Opt depth Opt
13733 \vskip\stripsep
13734 }%
13735 \global\c@addvipersep\m@addvipersep
13736 \else
13737 \global\setbox\@rightcolumn \vbox{%
13738 \unvbox\@rightcolumn
13739 \vrule height\the\jua@ht width Opt depth Opt
13740 \vskip\stripsep
13741 }%
13742 \fi
13743 \ifnum\jua@sk>0
13744 \remove@strip\jua@sar
13745 \global\@colht\the\jua@pr
13746 \global\advance\@colht by-\ht\@rightcolumn
13747 \global\advance\@colht by\cor@height
13748 \global\cor@height=0pt
13749 \else
13750 \global\advance\c@colht by-\ht\@rightcolumn
13751 \global\@colht\c@colht
13752 \fi
13753 \else
13754 \global\@firstcolumntrue
13755 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13756 \unvbox\@rightcolumn
13757 \vskip\c@addvipersep
13758 \unvbox\@outputbox
13759 }%
13760 \setbox\@outputbox \vbox {%
13761 \hb@xt@\textwidth {%
13762 \hskip \columnwidth

```



```

13763 \hfil
13764 \vrule \@width\columnseprule
13765 \hfil
13766 \hb@xt@\columnwidth {%
13767 \bidi@firstcolumn@status@write%
13768 \box\@leftcolumn \hss}%
13769 \hskip-\textwidth
13770 \hb@xt@\columnwidth {%
13771 \bidi@lastcolumn@status@write%
13772 \box\@outputbox \hss}%
13773 \hskip\columnwidth
13774 \hskip\columnsep}%
13775 }%
13776 \@combinedblfloats
13777 \@setmarks
13778 \@outputpage
13779 \begingroup
13780 \dblfloatplacement
13781 \startdblcolumn
13782 \@whiles\if@colmade \fi
13783 {\@outputpage
13784 \startdblcolumn}%
13785 \endgroup
13786 \global\jua@sk=0\global\jua@sar={}%
13787 \global\cor@height\z@\global\c@addvipersep\z@
13788 \fi
13789 \fi
13790 }
13791
13792
13793 \def\LTR@outputdblcol{%
13794 \if@firstcolumn
13795 \global \@firstcolumnfalse
13796 \global\setbox\@leftcolumn\copy\@outputbox
13797 \splitmaxdepth\maxdimen
13798 \vbadness\maxdimen
13799 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13800 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13801 \toks@\expandafter{\topmark}%
13802 \xdef\@firstcoltopmark{\the\toks@}%
13803 \toks@\expandafter{\splitfirstmark}%
13804 \xdef\@firstcolfirstmark{\the\toks@}%
13805 \ifx\@firstcolfirstmark\@empty
13806 \global\let\@setmarks\relax
13807 \else
13808 \gdef\@setmarks{%
13809 \let\firstmark\@firstcolfirstmark
13810 \let\topmark\@firstcoltopmark}%
13811 \fi
13812 \global\c@colht\@colht\global\c@addvipersep\z@

```



```

13813 \ifnum\jua@sk>0
13814 \remove@strip\jua@sar
13815 \global\@colht\the\jua@pr
13816 \ifdim\right@cor>\z@
13817 \global\advance\@colht by\right@cor
13818 \fi
13819 \global\advance\@colht by\cor@height
13820 \global\cor@height=0pt
13821 \fi
13822 \global \setbox\@rightcolumn \vbox{%
13823 \else
13824 \ifdim\c@colht>\@colht
13825 \@tempdima\@colht
13826 \ifdim\@colht>\z@
13827 \global\setbox\@rightcolumn \vbox{%
13828 \unvbox\@rightcolumn
13829 \vbox to\@tempdima{%
13830 \vskip\c@addvipersep\unvbox\@outputbox}%
13831 \vskip\stripsep
13832 \vrule height\the\jua@ht width Opt depth Opt
13833 \vskip\stripsep
13834 }%
13835 \global\c@addvipersep\m@addvipersep
13836 \else
13837 \global\setbox\@rightcolumn \vbox{%
13838 \unvbox\@rightcolumn
13839 \vrule height\the\jua@ht width Opt depth Opt
13840 \vskip\stripsep
13841 }%
13842 \fi
13843 \ifnum\jua@sk>0
13844 \remove@strip\jua@sar
13845 \global\@colht\the\jua@pr
13846 \global\advance\@colht by-\ht\@rightcolumn
13847 \global\advance\@colht by\cor@height
13848 \global\cor@height=0pt
13849 \else
13850 \global\advance\c@colht by-\ht\@rightcolumn
13851 \global\@colht\c@colht
13852 \fi
13853 \else
13854 \global\@firstcolumntrue
13855 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13856 \unvbox\@rightcolumn
13857 \vskip\c@addvipersep
13858 \unvbox\@outputbox
13859 }%
13860 \setbox\@outputbox \vbox {%
13861 \hb@xt@\textwidth {%
13862 \hb@xt@\columnwidth {%

```



```

13863             \bidi@firstcolumn@status@write%
13864             \box\@leftcolumn \hss}%
13865         \hfil
13866         \vrule \@width\columnseprule
13867         \hfil
13868         \hb@xt@\columnwidth {%
13869             \bidi@lastcolumn@status@write%
13870             \box\@outputbox \hss}%
13871             }%
13872         }%
13873     \@combinedblfloats
13874     \@setmarks
13875     \@outputpage
13876     \begingroup
13877         \@dblfloatplacement
13878         \@startdblcolumn
13879         \@whiles\if@fcolmade \fi
13880         {\@outputpage
13881           \@startdblcolumn}%
13882     \endgroup
13883     \global\jua@sk=0\global\jua@sar={}%
13884     \global\cor@height\z@\global\c@addvipersep\z@
13885     \fi
13886 \fi
13887 }
13888
13889
13890 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
13891   \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
13892     \hsize\textwidth
13893     \@parboxrestore
13894     \col@number \@ne
13895     \vrule height\topskip width0pt depth0pt
13896 }
13897
13898 \def\endstrip{%
13899     \egroup\egroup
13900     \if@firstcolumn
13901         \ifdim\pagetotal>\z@
13902             \vskip\stripsep
13903             \global\ht@strip\pagegoal
13904             \global\advance\ht@strip by-\pagetotal
13905             \global\advance\ht@strip by-\stripsep
13906             \global\advance\ht@strip by-\ht\@viper
13907             \global\advance\ht@strip by-\stripsep
13908             \global\jua@ht=\ht\@viper
13909         \else
13910             \global\ht@strip\z@
13911         \fi
13912         \ifdim\ht@strip>\z@

```



```

13913         \unvbox\@viper
13914         \vskip\stripsep
13915         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
13916         \global\advance\jua@sk by1
13917     \else
13918         \@latex@error{Strip needs more place!}\@ehc
13919         \if@vihproof
13920             \framebox[\columnwidth]{??? Strip ???}%
13921         \fi
13922     \fi
13923 \else
13924     \@latex@error{Strip is used only on left column!}\@ehc
13925     \if@vihproof
13926         \framebox[\columnwidth]{??? Strip ???}%
13927     \fi
13928 \fi
13929 }

```

7.8o minitoc-xetex-bidi.def

```

13930 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package fo
13931 \def\@undottedtocline#1#2#3#4#5{%
13932     \ifnum #1>\c@tocdepth\relax \else
13933         \vskip \z@ plus.2\p@
13934         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
13935         \parindent #2\relax\@afterindenttrue
13936         \interlinepenalty\@M
13937         \leavevmode
13938         \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
13939         \hskip -\if@RTL\rightskip\else\leftskip\fi
13940         #4\nobreak\hfill \nobreak
13941         \null\par}%
13942 \fi}
13943 \def\@Undottedtocline#1#2#3#4#5{%
13944     \ifnum #1>\c@tocdepth\relax \else
13945         \vskip \z@ \@plus.2\p@
13946         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
13947         \parindent #2\relax\@afterindenttrue
13948         \interlinepenalty\@M
13949         \leavevmode
13950         \@tempdima #3\relax
13951         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
13952         {\coffee font #4}\nobreak \nobreak\null
13953         \par}%
13954 \fi}
13955 \def\@Undottedtoclinep#1#2#3#4#5{%
13956     \ifnum #1>\c@tocdepth\relax \else
13957         \vskip \z@ \@plus.2\p@
13958         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
13959         \parindent #2\relax\@afterindenttrue

```



```

13960 \interlinepenalty\@M
13961 \leavevmode
13962 \@tempdima #3\relax
13963 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
13964 {#4}\nobreak \hfill \nobreak\null
13965 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
13966 \par}%
13967 \fi}

```

7.81 multicol-xetex-bidi.def

```

13968 \ProvidesFile{multicol-xetex-bidi.def}[2016/11/27 v0.8 bidi adaptations for multicol package]
13969 \def\page@sofar{%
13970 \process@cols\mult@rightbox
13971 {\ifvoid\count@
13972 \setbox\count@\hbox to\hsize{}}%
13973 \else
13974 \wd\count@\hsize
13975 \fi}%
13976 \count@\col@number \advance\count@\m@ne
13977 \mult@info\z@
13978 {Column spec: \the\full@width\space = indent
13979 + columns + sep =\MessageBreak
13980 \the\multicol@leftmargin\space
13981 + \the\col@number\space
13982 x \the\hsize\space
13983 + \the\count@\space
13984 x \the\columnsep
13985 }%
13986 \ifvmode\else\errmessage{Multicol Error}\fi
13987 \nointerlineskip
13988 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
13989 \moveright\multicol@leftmargin
13990 \hbox to\full@width{%
13991 \bidi@multicol@align@columns
13992 \rlap{\phantom p}%
13993 }%
13994 \prevdepth\z@
13995 \kern-\dimen\tw@
13996 \ifdim\dimen\tw@ > \mc@gridwarn
13997 \PackageWarning{multicol}%
13998 {Very deep columns!\MessageBreak
13999 Grid alignment might be broken}%
14000 \fi
14001 }
14002 \def\LTR@column@boxes{%
14003 \process@cols\mult@gfirstbox{%
14004 \ifdim\dp\count@>\dimen\tw@
14005 \global\dimen\tw@\dp\count@ \fi
14006 \mc@col@status@write

```




```

14007     \box\count@
14008     \hss{\columnseprulecolor\vrule
14009         \@width\columnseprule}\hss}%
14010     \ifdim\dp\mult@rightbox>\dimen\tw@
14011         \global\dimen\tw@\dp\mult@rightbox \fi
14012     \mc@lastcol@status@write
14013     \box\mult@rightbox
14014 }
14015
14016 \def\RTL@column@boxes{%
14017     \ifnum\col@number<\tw@
14018         \LTR@column@boxes
14019     \else
14020         \process@cols\mult@gfirstbox{%
14021             \hskip\hsize
14022             \hss{\columnseprulecolor\vrule
14023                 \@width\columnseprule}\hss
14024         }%
14025         \hskip\hsize
14026         \process@cols\mult@gfirstbox{%
14027             \ifdim\dp\count@>\dimen\tw@
14028                 \global\dimen\tw@\dp\count@ \fi
14029             \hskip-\hsize
14030             \mc@col@status@write
14031             \box\count@
14032             \hskip-\hsize
14033             \hskip-\columnsep
14034         }%
14035         \ifdim\dp\mult@rightbox>\dimen\tw@
14036             \global\dimen\tw@\dp\mult@rightbox \fi
14037         \hskip-\hsize
14038         \mc@lastcol@status@write
14039         \box\mult@rightbox
14040         \hskip-\hsize
14041         \hskip\full@width
14042     \fi
14043 }
14044 \newcommand\RTLmulticolcolumns
14045     {\let\ bidi@multicol@align@columns
14046         \RTL@column@boxes}
14047 \newcommand\LTRmulticolcolumns
14048     {\let\ bidi@multicol@align@columns
14049         \LTR@column@boxes}
14050 \newcommand\ bidi@multicol@align@columns
14051     {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14052 \def\multicols#1{\col@number#1\relax
14053     \ifnum\col@number<\tw@
14054         \PackageWarning{multicol}%
14055             {Using ``\number\col@number'
14056              columns doesn't seem a good idea.^^J

```



```

14057         I therefore use two columns instead}%
14058     \col@number\tw@ \fi
14059 \ifnum\col@number>10
14060     \PackageError{multicol}%
14061     {Too many columns}%
14062     {Current implementation doesn't
14063     support more than 10 columns.%
14064     \MessageBreak
14065     I therefore use 10 columns instead}%
14066     \col@number10 \fi
14067 \ifx\@footnotetext\mult@footnotetext\else
14068     \let\orig@footnotetext\@footnotetext
14069     \let\@footnotetext\mult@footnotetext
14070 \fi
14071 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
14072     \let\orig@LTRfootnotetext\@LTRfootnotetext
14073     \let\@LTRfootnotetext\mult@LTRfootnotetext
14074 \fi
14075 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
14076     \let\orig@RTLfootnotetext\@RTLfootnotetext
14077     \let\@RTLfootnotetext\mult@RTLfootnotetext
14078 \fi
14079 \@ifnextchar[\mult@cols{\mult@cols[]}]
14080 \long\def\mult@footnotetext#1{\begingroup
14081     \hsize\textwidth
14082     \columnwidth\textwidth
14083     \orig@footnotetext{#1}\endgroup}
14084 \long\def\mult@LTRfootnotetext#1{\begingroup
14085     \hsize\textwidth
14086     \columnwidth\textwidth
14087     \orig@LTRfootnotetext{#1}\endgroup}
14088 \long\def\mult@RTLfootnotetext#1{\begingroup
14089     \hsize\textwidth
14090     \columnwidth\textwidth
14091     \orig@RTLfootnotetext{#1}\endgroup}
14092 \def\rightrightarrowsrule{%
14093     \kern-3\p@
14094     \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
14095     \kern2.6\p@}
14096 \def\textwidth@footnoterule{\kern-3\p@
14097     \hrule \@width \textwidth \kern 2.6\p@}

```

7.82 multienum-xetex-bidi.def

```

14098 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
14099 \renewcommand{\itemx}[1]{\parbox[t]{%
14100     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14101     \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
14102 \renewcommand{\itemxx}[2]{\parbox[t]{%
14103     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

14104 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]%
14105 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14106 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip
14107 \renewcommand{\itemxxx}[3]{\parbox[t]%
14108 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14109 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
14110 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
14111 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
14112 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14113 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}{\smallskip
14114 \renewcommand{\itemxxxx}[4]{\parbox[t]%
14115 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14116 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
14117 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14118 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14119 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14120 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
14121 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14122 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
14123 \renewcommand{\itemxxxxx}[5]{\parbox[t]%
14124 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14125 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
14126 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14127 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
14128 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14129 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
14130 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14131 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
14132 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14133 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
14134 \renewcommand{\itemxox}[2]{\parbox[t]%
14135 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14136 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14137 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14138 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
14139 \renewcommand{\itemxxo}[2]{\parbox[t]%
14140 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14141 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
14142 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14143 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
14144 \renewcommand{\itemxoxx}[3]{\parbox[t]%
14145 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14146 \parbox[t]{\remainxoxx}{\bidi@raggedright #1}\hfill%
14147 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14148 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14149 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14150 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14151 \renewcommand{\itemxxox}[3]{\parbox[t]%
14152 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14153 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%

```



```

14154 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14155 \parbox[t]{\remainxxx}{\bidi@raggedright #2}\hfill%
14156 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14157 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14158 \renewcommand{\itemxxxo}[3]{\parbox[t]%
14159 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14160 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14161 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14162 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14163 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14164 \parbox[t]{\remainxxx}{\bidi@raggedright #3}\smallskip}

```

7.83 natbib-xetex-bidi.def

```

14165 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for
14166 \renewenvironment{thebibliography}[1]{%
14167 \bibsection
14168 \parindent\z@
14169 \bibpreamble
14170 \bibfont
14171 \ifRTL\ifLTR\bibitems\@RTLfalse\else\fi\else\ifRTL\bibitems\@RTLtrue\else\fi\fi
14172 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
14173 \ifNAT@openbib
14174 \renewcommand\newblock{\par}%
14175 \else
14176 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
14177 \fi
14178 \sloppy\clubpenalty4000\widowpenalty4000
14179 \sfcode\.\@m
14180 \let\NAT@bibitem@first@sw\@firstoftwo
14181 \let\citeN\cite \let\shortcite\cite
14182 \let\citeasnoun\cite
14183 }{%
14184 \bibitem@fin
14185 \bibpostamble
14186 \def\@noitemerr{%
14187 \PackageWarning{natbib}{Empty `thebibliography' environment}}%
14188 }%
14189 \endlist
14190 \bibcleanup
14191 }%

```

7.84 newfloat-xetex-bidi.def

```

14192 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package
14193 \renewcommand*\newfloat@setwithin[2]{%
14194 \ifcsname c@chapter\endcsname
14195 \@removefromreset{#1}{chapter}%
14196 \fi
14197 \@removefromreset{#1}{section}%
14198 \edef\@tempa{#2}%

```



```

14199 \ifx\@tempa\@empty
14200   \def\@tempa{none}%
14201 \fi
14202 \def\@tempb{none}%
14203 \ifx\@tempa\@tempb
14204   \ifcsname c@chapter\endcsname
14205     \@chapterlistsgap@off{#1}%
14206   \fi
14207   \newfloat@@setwithin{#1}{-}{}%
14208 \else
14209   \def\@tempb{chapter}%
14210   \ifx\@tempa\@tempb
14211     \@addtoreset{#1}{chapter}%
14212     \@chapterlistsgap@on{#1}%
14213     \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
14214   \else
14215     \def\@tempb{section}%
14216     \ifx\@tempa\@tempb
14217       \@addtoreset{#1}{section}%
14218       \ifcsname c@chapter\endcsname
14219         \@addtoreset{#1}{chapter}%
14220         \@chapterlistsgap@on{#1}%
14221       \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
14222     \else
14223       \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
14224     \fi
14225   \else
14226     \newfloat@Error{Invalid value `#2' for option `within'}%
14227   \fi
14228 \fi
14229 \fi}

```

7.85 ntheorem-xetex-bidi.def

```

14230 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
14231 \gdef\@thm#1#2#3{%
14232   \if@thmmarks
14233     \stepcounter{end\InTheoType ctr}%
14234   \fi
14235   \renewcommand{\InTheoType}{#1}%
14236   \if@thmmarks
14237     \stepcounter{curr#1ctr}%
14238     \setcounter{end#1ctr}{0}%
14239   \fi
14240   \refstepcounter{#2}%
14241   \theorem@prework
14242   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14243   \ifvmode \advance\thm@topsepadd\partopsep\fi
14244   \trivlist
14245   \@topsep \theorempreskipamount

```



```

14246 \@topsepadd \thm@topsepadd % used by \@endparenv
14247 \advance\linewidth -\theorem@indent
14248 \advance\@totalleftmargin \theorem@indent
14249 \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14250 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.86 ntheorem-hyper-xetex-bidi.def

```

14251 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hy
14252 \gdef\@thm#1#2#3{%
14253   \if@thmmarks
14254     \stepcounter{end\InTheoType ctr}%
14255   \fi
14256   \renewcommand{\InTheoType}{#1}%
14257   \if@thmmarks
14258     \stepcounter{curr#1ctr}%
14259     \setcounter{end#1ctr}{0}%
14260   \fi
14261   \refstepcounter{#2}%
14262   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14263   \ifvmode \advance\thm@topsepadd\partopsep\fi
14264   \trivlist
14265   \@topsep \theorempreskipamount
14266   \@topsepadd \thm@topsepadd % used by \@endparenv
14267   \advance\linewidth -\theorem@indent
14268   \advance\@totalleftmargin \theorem@indent
14269   \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14270   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.87 overpic-xetex-bidi.def

```

14271 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package fo
14272 \renewenvironment{overpic}[2] [] {%
14273   \sbox{\z@}{\includegraphics[#1]{#2}}%
14274   \settodepth{\@tempcnta}{\usebox{\z@}}%
14275   \settoheight{\@tempcntb}{\usebox{\z@}}%
14276   \advance\@tempcntb\@tempcnta%
14277   \settowidth{\@tempcnta}{\usebox{\z@}}%
14278   \setlength{\@tempdima}{\unitlength}%
14279   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
14280 %
14281 \OVP@calc%
14282 %
14283 \begin{picture}(\@tempcnta,\@tempcntb)%
14284   \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
14285   \ifGin@grid%
14286     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14287       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14288   \fi\fi%
14289   % reset the graphics parameter
14290   \let\Gin@outer@scalex\relax

```



```

14291 \let\Gin@outer@scaley\relax
14292 \let\Gin@angle\relax
14293 \let\Gin@ewidth\Gin@exclamation
14294 \let\Gin@eheight\Gin@ewidth
14295 \def\Gin@scalex{1}
14296 \let\Gin@scaley\Gin@exclamation
14297 }{%
14298 \if@RTL\ifGin@grid%
14299 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14300 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14301 \fi%
14302 \put(0,0){\makebox(0,0)[bl]{\usebox{z@}}}\fi%
14303 \end{picture}%
14304 }%

```

7.88 pdfpages-xetex-bidi.def

```

14305 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
14306 \renewcommand*{\includepdf}[2][{}]{%
14307 \begingroup
14308 \@RTLfalse
14309 \let\AM@threadname\relax
14310 \AM@split@options{pdfpages}{#1}%
14311 \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
14312 \expandafter\setkeys\AM@temp
14313 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
14314 \let\AM@currentdocname\relax
14315 \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
14316 \def\AM@pagecount{0}%
14317 }{%
14318 \AM@findfile{#2}%
14319 \if\AM@threadname\relax
14320 \def\AM@threadname{\AM@currentdocname}%
14321 \fi
14322 }%
14323 \ifAM@survey
14324 \def\AM@pagestemp{%
14325 \@tempcnta=0
14326 \def\foo{%
14327 \ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
14328 {\let\foo\relax}
14329 {\expandafter\ifx\expandafter\\AM@pagestemp\\
14330 \edef\AM@pagestemp{%
14331 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14332 \else
14333 \edef\AM@pagestemp{\AM@pagestemp,%
14334 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14335 \fi
14336 \advance\@tempcnta 1\relax
14337 }%

```



```

14338     \foo
14339   }%
14340   \foo
14341   \expandafter\ifx\expandafter\\AM@pagestemp\\
14342     \def\AM@pagestemp{1}%
14343   \fi
14344 \fi
14345 \ifAM@output
14346   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
14347   \AM@output{#1}%
14348 \fi
14349 \AM@CheckAtEnd
14350 \endgroup
14351 \AM@ClearShipoutPicture
14352 }

```

7.89 pgfcorescopes.code-xetex-bidi.def

```

14353 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pac
14354 \def\pgfpicture{%
14355   \begingroup%
14356   \ifmmode\else\@RTLfalse\beginL\fi%
14357   \pgfpicturetrue%
14358   \global\advance\pgf@picture@serial@count by1\relax%
14359   \edef\pgfpictureid{\pgfid\the\pgf@picture@serial@count}%
14360   \let\pgf@nodecallback=\pgfutil@gobble%
14361   \pgf@picmaxx=-16000pt\relax%
14362   \pgf@picminx=16000pt\relax%
14363   \pgf@picmaxy=-16000pt\relax%
14364   \pgf@picminy=16000pt\relax%
14365   \pgf@relevantforpicturesizetrue%
14366   \pgf@resetpathsizes%
14367   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture%
14368 \def\endpgfpicture{%
14369     \ifpgfrememberpicturerepositiononpage%
14370       \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
14371     \fi%
14372     % ok, now let's position the box
14373     \ifdim\pgf@picmaxx=-16000pt\relax%
14374       % empty picture. make size 0.
14375       \global\pgf@picmaxx=0pt\relax%
14376       \global\pgf@picminx=0pt\relax%
14377       \global\pgf@picmaxy=0pt\relax%
14378       \global\pgf@picminy=0pt\relax%
14379     \fi%
14380     % Shift baseline outside:
14381     \pgf@relevantforpicturesizefalse%
14382     \pgf@process{\pgf@baseline}%
14383     \xdef\pgf@shift@baseline{\the\pgf@y}%
14384     %

```




```

14385         \pgf@process{\pgf@trimleft}%
14386         \global\advance\pgf@x by-\pgf@picminx
14387         % prepare \hskip\pgf@trimleft@final.
14388         % note that \pgf@trimleft@final is also queried
14389         % by the pgf image externalization.
14390         \xdef\pgf@trimleft@final{-\the\pgf@x}%
14391         %
14392         \pgf@process{\pgf@trimright}%
14393         \global\advance\pgf@x by-\pgf@picmaxx
14394         % prepare \hskip\pgf@trimright@final.
14395         % note that \pgf@trimright@final is also queried
14396         % by the pgf image externalization.
14397         \xdef\pgf@trimright@final{\the\pgf@x}%
14398     %
14399     \pgf@remember@layerlist@globally
14400     \endgroup%
14401     \hss%
14402     \egroup%
14403     \pgf@restore@layerlist@from@global
14404     \pgf@insertlayers%
14405     \endgroup%
14406     \pgfsys@discardpath%
14407     \endgroup%
14408     \pgfsys@endscope%
14409     \pgfsys@endpicture%
14410     \endgroup%
14411     \hss
14412     \egroup%
14413     \pgfsys@typesetpicturebox\pgfpic%
14414     \ifmode\else\endL\fi%
14415     \endgroup%
14416 }

```

7.90 picinpar-xetex-bidi.def

```

14417 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
14418 \long\def\@makewincaption#1#2{%
14419     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
14420     \ifdim\wd\@tempboxa>\picwd
14421         {\footnotesize{\bf #1:\enspace}{#2\par}}
14422     \else
14423         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
14424     \fi}
14425 \def\endwindow{%
14426     \global\tcd=\tcdsav
14427     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
14428     \vbadness=10000
14429     \splittopskip=0pt
14430 %
14431 % Typeset the lines above the window

```



```

14432 %
14433 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
14434 \tcn=\tcd
14435 \loop\advance\tcn -1
14436 \setbox\fslice=\vsplit\holder to\baselineskip
14437 \prune\fslice\linewidth
14438 \topheight=0pt
14439 \ifnum\dp\fslice>\dp\wstrutbox
14440     \advance\topheight-\dp\fslice
14441     \advance\topheight\dp\wstrutbox
14442     \advance\topheight\ilg\fi
14443 \hbox to\linewidth{\box\fslice}
14444 \vskip-\topheight
14445 \ifdim\ht\holder>0pt\repeat
14446 \fi
14447 %
14448 % Now we build the boxes beside the window
14449 %
14450 \global\topheight=\tcl\baselineskip
14451 \ifnum\cumpartcl>0\global\tcl=\cumtcl
14452     \global\topheight=\vpic
14453 \fi
14454 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
14455 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
14456 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
14457 \tcn=\tcl \na=0 \nb=0
14458 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
14459 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
14460 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
14461 \ifnum\na=0\ifnum\nb=0
14462     \setbox\waslice=\vbox to\vpic{\vss}
14463     \setbox\wbslice=\vbox to\vpic{\vss}
14464     \bl=1\br=1
14465     \vskip\ilg
14466 \fi\fi
14467 %
14468 % both sides
14469 %
14470 \ifnum\na>0 \ifnum\nb>0
14471 \loop\advance\nb -1
14472 \advance\na -1
14473 \if@RTL%
14474 \setbox\bslice=\vsplit\holder to\baselineskip
14475 \prune\bslice\rtside
14476 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14477 to\rtside{\box\bslice\hfil}}
14478 \setbox\aslice=\vsplit\holder to\baselineskip
14479 \prune\aslice\lftside
14480 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14481 to\lftside{\box\aslice\hfil}}

```



```

14482 \else%
14483 \setbox\aslice=\vsplit\holder to\baselineskip
14484 \prune\aslice\lftside
14485 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14486 to\lftside{\box\aslice\hfil}}
14487 \setbox\bslice=\vsplit\holder to\baselineskip
14488 \prune\bslice\rtside
14489 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14490 to\rtside{\box\bslice\hfil}}
14491 \fi%
14492 \ifnum\nb>0\repeat
14493 \fi\fi
14494 %
14495 % only text on the left side
14496 %
14497 \ifnum\na>0
14498   \loop\advance\na -1
14499   \setbox\aslice=\vsplit\holder to\baselineskip
14500   \prune\aslice\lftside
14501   \setbox\waslice=\vbox{\unvbox\waslice\hbox
14502   to\lftside{\box\aslice\hfil}}
14503   \ifdim\ht\holder>0pt\repeat
14504 \fi
14505 %
14506 % only text on the right side
14507 %
14508 \ifnum\nb>0
14509   \loop\advance\nb -1
14510   \setbox\bslice=\vsplit\holder to\baselineskip
14511   \prune\bslice\rtside
14512   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14513   to\rtside{\box\bslice\hfil}}
14514   \ifdim\ht\holder>0pt\repeat
14515 \fi
14516 %
14517 % fixing the dimensions of the window part
14518 %
14519 \ifnum\bl=0\topheight=\ht\wbslice
14520 \else\ifnum\br=0\topheight=\ht\waslice
14521   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
14522   \else\topheight=\ht\wbslice\fi\fi\fi
14523 %
14524 % ship out the window material to the main vertical list
14525 %
14526 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
14527 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
14528 \fi\fi\fi
14529 \setbox>windowbox=\vbox{\hbox to\linewidth{%
14530 \ifnum\bl>0\box\waslice\hfill\fi%
14531 \vbox to\topheight{\hrule width\picwd heightOpt depthOpt\vskipOpt%

```



```

14532 \vfill\unvbox\picbox%
14533 \ifnum\picwd>0\vfill\fi%
14534 \vss\ifnum\br>0\hfill\ vbox{\box\wbslice}\fi}}%
14535 \unvbox\windowbox%
14536 \loop
14537 \setbox\bslice=\vsplit\rawtext to\baselineskip
14538 \prune\bslice\linewidth
14539 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
14540 \unvbox\wbslice
14541 \ifdim\ht\rawtext>0pt
14542 \repeat
14543 }% FINITO

```

7.91 plain-xetex-bidi.def

```

14544 \def\TeXeTOn{\TeXeTstate=1 }
14545 \def\TeXeTOff{\TeXeTstate=0 }
14546 \TeXeTOn
14547 \def\usebox#1{\leavevmode\copy #1\relax}
14548 \def\bidi@RTL@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
14549 \let\bidi@o@everypar=\everypar
14550 \newtoks\bidi@n@everypar
14551 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
14552 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
14553 \let\everypar=\bidi@n@everypar
14554 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
14555 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
14556 \protected\def\hboxR{\hbox\bgroup
14557 \everyhbox{%
14558 \aftergroup\egroup
14559 \everyhbox{}}%
14560 \beginR
14561 \@hboxRconstructtrue
14562 \bgroup
14563 \aftergroup\endR
14564 \aftergroup\egroup
14565 }\hbox}
14566 \protected\def\hboxL{\hbox\bgroup
14567 \everyhbox{%
14568 \aftergroup\egroup
14569 \everyhbox{}}%
14570 \beginL
14571 \@hboxRconstructfalse
14572 \bgroup
14573 \aftergroup\endL
14574 \aftergroup\egroup
14575 }\hbox}
14576 \protected\def\vboxR{\vbox\bgroup
14577 \everyvbox{%
14578 \aftergroup\egroup

```



```

14579 \everyvbox{%
14580 \@RTLtrue
14581 \bgroup
14582 \aftergroup\egroup
14583 }\vbox}
14584 \protected\def\vboxL{\vbox\bgroup
14585 \everyvbox{%
14586 \aftergroup\egroup
14587 \everyvbox{%
14588 \@RTLfalse
14589 \bgroup
14590 \aftergroup\egroup
14591 }\vbox}
14592 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
14593 \def\endLTR{\par}
14594 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
14595 \def\endRTL{\par}
14596 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
14597 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
14598 \let\unsetRTL=\setLTR
14599 \let\unsetLTR=\setRTL
14600 \let\LR=\LRE
14601 \let\RL=\RLE
14602 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
14603 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
14604 \let\@ensure@RL=\@ensure@RTL
14605 \let\@ensure@LR=\@ensure@LTR
14606 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
14607 \let\@ensure@maindir=\@ensure@dir
14608 \def\@RTL{RTL}
14609 \def\@LTR{LTR}
14610 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
14611 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
14612 \let\@TeX\TeX
14613 \def\TeX{\@ensure@LTR{\@TeX}}
14614 \long\def\@bidi@reflect@box#1{%
14615 \leavevmode
14616 \setbox\z@\hbox{#1}%
14617 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
14618 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
14619 }
14620 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
14621 \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
14622 \let\setRL=\setRTL
14623 \let\setLR=\setLTR
14624 \let\unsetRL=\setLTR
14625 \let\@bidi@sav@eqno=\eqno
14626 \let\@bidi@sav@leqno=\leqno
14627 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@sav@eqno \else \@bidi@sav@eqno \fi}
14628 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@sav@eqno \else \@bidi@sav@leqno \fi}

```



```

14629 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14630 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14631 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

7.92 pstricks-xetex-bidi.def

```

14632 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
14633 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
14634 \def\endpspicture{%
14635   \ifshowgrid\ifnum\showgridp>0
14636     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
14637   \pst@killglue
14638   % \global\pst@shift=\pst@shift% in fact of the following endgroup
14639   \endgroup
14640   \egroup
14641   \ifdim\wd\pst@hbox=\z@%else
14642     %\@pstrickserr{Extraneous space in the pspicture environment}%
14643     %\Type \space <return> \space to proceed.}%
14644   \fi
14645   \ht\pst@hbox=\pst@dimd
14646   \dp\pst@hbox=-\pst@dimb
14647   \setbox\pst@hbox=\hbox{%
14648     \kern-\pst@dima
14649   % Orig version -----
14650   %\ifx\pst@tempa\@empty\else
14651   %\advance\pst@dimd-\pst@dimb
14652   %\pst@dimd=\pst@tempa\pst@dimd
14653   %\advance\pst@dimd\pst@dimb
14654   %\lower\pst@dimd
14655   %\fi
14656   %----- end Orig
14657   \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
14658   \advance\pst@dimd-\pst@dimb
14659   \pst@dimd=0.5\pst@dimd
14660   \else\pst@dimd-\pst@shift\fi
14661   \advance\pst@dimd\pst@dimb
14662   \lower\pst@dimd
14663   \box\pst@hbox
14664   \kern\pst@dimc}%
14665   \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
14666   \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
14667   \fboxsep=0pt
14668   \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
14669   \ifmmode\else\endL\fi
14670   \endgroup%
14671   \psset[pstricks]{shift=0}% reset value
14672 }

```

7.93 quotchap-xetex-bidi.def

```

14673 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]

```



```

14674 \renewcommand{\qauthor}[1]{%
14675   \par\smallskip
14676   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{\par}\bigskip}
14677 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
14678   {\size@chapter\sectfont\if@RTL\raggedright\else\raggedleft\fi
14679     {\chapnumfont
14680       \ifnum \c@secnumdepth >\m@ne%
14681       \if@mainmatter\thechapter%
14682       \fi\fi
14683       \par\nobreak}%
14684     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightrightmargin\else\leftmargin\fi10
14685     \nobreak\chapterheadendvskip}}
14686 \renewcommand*{\@iprintcites}{%
14687   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
14688   \global\let\@printcites\relax}

```

7.94 ragged2e-xetex-bidi.def

```

14689 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package]
14690 \renewcommand{\Centering}{%
14691   \ifx\\ \@raggedtwoe@savedcr
14692     \let\\ \@centercr
14693   \fi
14694   \let\@gnewline\@raggedtwoe@gnewline
14695   \if@RTL\rightrightskip\else\leftskip\fi\CenteringLeftskip
14696   \@rightskip\CenteringRightskip
14697   \if@RTL\leftskip\else\rightrightskip\fi\@rightskip
14698   \parfillskip\CenteringParfillskip
14699   \parindent\CenteringParindent
14700   \@raggedtwoe@spaceskiptrue
14701   \@raggedtwoe@everyselectfont
14702 }
14703 \renewcommand{\RaggedLeft}{%
14704   \ifx\\ \@raggedtwoe@savedcr
14705     \let\\ \@centercr
14706   \fi
14707   \let\@gnewline\@raggedtwoe@gnewline
14708   \if@RTL\rightrightskip\else\leftskip\fi\RaggedLeftLeftskip
14709   \@rightskip\RaggedLeftRightskip
14710   \if@RTL\leftskip\else\rightrightskip\fi\@rightskip
14711   \parfillskip\RaggedLeftParfillskip
14712   \parindent\RaggedLeftParindent
14713   \@raggedtwoe@spaceskiptrue
14714   \@raggedtwoe@everyselectfont
14715 }
14716 \renewcommand{\RaggedRight}{%
14717   \ifx\\ \@raggedtwoe@savedcr
14718     \let\\ \@centercr
14719   \fi
14720   \let\@gnewline\@raggedtwoe@gnewline

```



```

14721 \if@RTL\rightrightskip\else\leftskip\fi\RaggedRightLeftskip
14722 \@rightskip\RaggedRightRightskip
14723 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14724 \parfillskip\RaggedRightParfillskip
14725 \parindent\RaggedRightParindent
14726 \@raggedtwoe@spaceskiptrue
14727 \@raggedtwoe@everyselectfont
14728 }
14729 \renewcommand{\justifying}{%
14730 \let\\@raggedtwoe@savdcr
14731 \let@gnewline@raggedtwoe@savd@gnewline
14732 \if@RTL\rightrightskip\else\leftskip\fi\z@
14733 \@rightskip\z@
14734 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14735 \parfillskip\JustifyingParfillskip
14736 \parindent\JustifyingParindent
14737 \@raggedtwoe@spaceskipfalse
14738 \@raggedtwoe@everyselectfont
14739 }
14740 \renewcommand*{\@raggedtwoe@raggedrightboxes@opt}{%
14741 \CheckCommand*{\arrayparboxrestore}{%
14742 \let\if@nbreak\iffalse
14743 \let\if@noskipsec\iffalse
14744 \let\par\@par
14745 \let\-\@dischyph
14746 \let\'\@acci\let\`\@accii\let\=\@acciii
14747 \parindent\z@ \parskip\z@skip
14748 \everypar{}%
14749 \linewidth\hsize
14750 \@totalleftmargin\z@
14751 \if@RTL\rightrightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@right
14752 \parfillskip\@flushglue \lineskip\normallineskip
14753 \baselineskip\normalbaselineskip
14754 \sloppy}%
14755 \renewcommand{\arrayparboxrestore}{%
14756 \let\if@nbreak\iffalse
14757 \let\if@noskipsec\iffalse
14758 \let\par\@par
14759 \let\-\@dischyph
14760 \let\'\@acci\let\`\@accii\let\=\@acciii
14761 \parskip\z@skip
14762 \everypar{}%
14763 \linewidth\hsize
14764 \@totalleftmargin\z@
14765 \RaggedRight
14766 \lineskip\normallineskip
14767 \baselineskip\normalbaselineskip
14768 \sloppy}%
14769 \let\@raggedtwoe@raggedrightboxes@opt\relax
14770 }

```




```

14771 \let\origin@RaggedLeft=\RaggedLeft
14772 \let\origin@RaggedRight=\RaggedRight
14773 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
14774 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

7.95 rapport1-xetex-bidi.def

```

14775 \ProvidesFile{rapport1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for rapport1 class fo
14776 \renewenvironment{theindex}{%
14777   \if@twocolumn
14778     \@restonecolfalse
14779   \else
14780     \@restonecoltrue
14781   \fi
14782   \columnseprule \z@
14783   \columnsep 35\p@
14784   \twocolumn[\@makeschapterhead{\indexname}]{%
14785     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
14786     \thispagestyle{plain}\parindent\z@
14787     \parskip\z@ \@plus .3\p@\relax
14788     \let\item\@idxitem
14789   }{%
14790     \if@restonecol\onecolumn\else\clearpage\fi}
14791 \renewcommand*\head@style{%
14792   \interlinepenalty \@M
14793   \hyphenpenalty=\@M \exhyphenpenalty=\@M
14794   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
14795 \if@titlepage
14796   \renewenvironment{abstract}{%
14797     \titlepage
14798     \null\vfil
14799     \section*{\SectFont\abstractname}%
14800     \noindent\ignorespaces}
14801   {\par\vfil\null\endtitlepage}
14802 \else
14803   \renewenvironment{abstract}{%
14804     \if@twocolumn
14805       \section*{\abstractname}%
14806     \else
14807       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
14808       \section*{\small\SectFont\abstractname}%
14809       \noindent\ignorespaces
14810     \fi}
14811   {\if@twocolumn\else\par\egroup\fi}
14812 \fi
14813 \renewcommand*\@regtocline[3]{%
14814   \ifnum #1>\c@tocdepth
14815   \else
14816     \vskip\z@\@plus.2\p@
14817     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M

```



```

14818 \if@RTL\rightrightskip\else\leftskip\fi\unitindent
14819 \if@RTL\leftskip\else\rightrightskip\fi\unitindent\@plus 1fil
14820 \parfillskip\z@
14821 \@tempdima\unitindent
14822 \parindent\z@
14823 \leavevmode
14824 \hbox{}\hskip -\if@RTL\rightrightskip\else\leftskip\fi\relax#2\nobreak
14825 \hskip 1em \nobreak{\slshape #3}\par
14826 }%
14827 \fi}
14828 \if@oldtoc
14829 \renewcommand*\l@part[2]{%
14830 \ifnum \c@tocdepth >-2\relax
14831 \addpenalty{-\@highpenalty}%
14832 \addvspace{2.25em \@plus\p@}%
14833 \begingroup
14834 \setlength\@tempdima{3em}%
14835 \parindent \z@ \if@RTL\leftskip\else\rightrightskip\fi \@pnumwidth
14836 \parfillskip -\@pnumwidth
14837 {\leavevmode
14838 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14839 \nobreak
14840 \global\@nobreaktrue
14841 \everypar{\global\@nobreakfalse\everypar{}}}%
14842 \endgroup
14843 \fi}
14844 \else
14845 \renewcommand*\l@part{%
14846 \ifnum \c@tocdepth >-2\relax
14847 \addpenalty{-\@highpenalty}%
14848 \addvspace{2.25em \@plus\p@}%
14849 \@regtocline{0}%
14850 \fi}
14851 \fi
14852 \if@oldtoc
14853 \renewcommand*\l@chapter[2]{%
14854 \addpenalty{-\@highpenalty}%
14855 \vskip 1.0em \@plus\p@
14856 \setlength\@tempdima{1.5em}%
14857 \begingroup
14858 \parindent \z@ \if@RTL\leftskip\else\rightrightskip\fi \@pnumwidth
14859 \parfillskip -\@pnumwidth
14860 \leavevmode \bfseries
14861 \advance\if@RTL\rightrightskip\else\leftskip\fi\@tempdima
14862 \hskip -\if@RTL\rightrightskip\else\leftskip\fi
14863 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14864 \penalty\@highpenalty
14865 \endgroup}
14866 \else
14867 \renewcommand*\l@chapter{\@regtocline{0}}

```



```

14868 \fi
14869 \renewcommand*\left@footnoterule{%
14870   \kern-3\p@
14871   \kern.5\baselineskip
14872   \hrule\@width\unitindent
14873   \kern.4\baselineskip
14874 }
14875 \renewcommand*\right@footnoterule{%
14876   \kern-3\p@
14877   \kern.5\baselineskip
14878   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
14879   \kern.4\baselineskip}
14880 \renewenvironment{thebibliography}[1]
14881   {\chapter*{\bibname}%
14882     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14883     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
14884     \list{\@biblabel{\@arabic\c@enumiv}}%
14885       {\settowidth\labelwidth{\@biblabel{#1}}%
14886        \leftmargin\labelwidth
14887        \advance\leftmargin\labelsep
14888        \@openbib@code
14889        \usecounter{enumiv}%
14890        \let\p@enumiv\@empty
14891        \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
14892     \sloppy\clubpenalty4000\widowpenalty4000%
14893     \sfcode\.\@m}
14894   {\def\@noitemerr
14895     {\@latex@warning{Empty `thebibliography' environment}}%
14896     \endlist}
14897 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
14898 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
14899 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
14900 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14901 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
14902 \renewcommand*\theequation{%
14903   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
14904 \renewcommand*\thefigure{%
14905   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
14906 \renewcommand*\thetable{%
14907   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
14908 \if@titlepage
14909 \renewcommand*\TitleFont{\rmfamily}
14910 \renewcommand*\maketitle{%
14911   \begin{titlepage}%
14912     \let\footnotesize\small
14913     \let\right@footnoterule\relax
14914     \let\left@footnoterule\relax
14915     \let\textwidth\footnoterule\relax
14916     \let \footnote \thanks
14917     \long\def\@makefntext##1{\parindent\z@

```



```

14918         \def\labelitemi{\textendash}\@revlabeltrue
14919         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14920 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14921 \if@compatibility\setcounter{page}{0}\fi
14922 \null\vfil
14923 \vskip 60\p@
14924 \begin{center}%
14925   \TitleFont
14926   {\LARGE \def\{\penalty -\@M}
14927   \if@allcaps
14928     \expandafter\uc@nothanks\@title\thanks\relax
14929   \else
14930     \@title
14931   \fi\par}%
14932 \vskip 3em%
14933 {\large
14934   \lineskip .75em \parindent\z@
14935   \begin{tabular}[t]{c}%
14936     \if@allcaps
14937       \expandafter\uc@authornothanks\@author\and\relax
14938     \else
14939       \@author
14940     \fi
14941   \end{tabular}\par}%
14942 \vskip 1.5em%
14943 {\large
14944   \if@allcaps
14945     \uppercase\expandafter{\@date}%
14946   \else
14947     \@date
14948   \fi\par}%
14949 \end{center}\par
14950 \@thanks
14951 \vfil\null
14952 \end{titlepage}%
14953 \setcounter{footnote}{0}%
14954 \global\let\thanks\relax
14955 \global\let\maketitle\relax
14956 \global\let\@thanks\@empty
14957 \global\let\@author\@empty
14958 \global\let\@title\@empty
14959 \global\let\@date\@empty
14960 \global\let\title\relax
14961 \global\let\author\relax
14962 \global\let\date\relax
14963 \global\let\and\relax
14964 }
14965 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
14966 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14967   \futurelet\@tempa\uc@ax}

```



```

14968 \def\uc@ax{%
14969   \ifx\@tempa\relax
14970   \else
14971     \\\andname \\\expandafter\uc@authornothanks
14972   \fi}
14973 \def\uc@tx{\ifx\@tempa\relax
14974   \else \expandafter\uc@ty \fi}
14975 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14976 \else
14977 \renewcommand*\maketitle{\par
14978   \begingroup
14979     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14980     \def\@makefnmark{\rlap{%
14981       \@textsuperscript{\normalfont\@thefnmark}}}%
14982     \long\def\@makefntext{\@xmakefntext{%
14983       \@textsuperscript{\normalfont\@thefnmark}}}%
14984     \if@twocolumn
14985       \ifnum \col@number=\@ne
14986         \@maketitle
14987       \else
14988         \twocolumn[\@maketitle]%
14989       \fi
14990     \else
14991       \newpage
14992       \global\@topnum\z@
14993       \@maketitle
14994     \fi
14995     \thispagestyle{plain}\@thanks
14996   \endgroup
14997   \setcounter{footnote}{0}%
14998   \global\let\thanks\relax
14999   \global\let\maketitle\relax
15000   \global\let\@maketitle\relax
15001   \global\let\@thanks\@empty
15002   \global\let\@author\@empty
15003   \global\let\@title\@empty
15004   \global\let\@date\@empty
15005   \global\let\title\relax
15006   \global\let\author\relax
15007   \global\let\date\relax
15008   \global\let\and\relax
15009 }
15010 \def\@maketitle{%
15011   \newpage
15012   \null
15013   \vskip 2em%
15014   \begin{center}%
15015     \let \footnote \thanks
15016     {\LARGE \TitleFont \@title \par}%
15017     \vskip 1.5em%

```



```

15018     {\large \TitleFont
15019         \lineskip .5em%
15020         \begin{tabular}[t]{c}%
15021             \@author
15022         \end{tabular}\par}%
15023     \vskip 1em%
15024     {\large \TitleFont \@date}%
15025 \end{center}%
15026 \par
15027 \vskip 1.5em}
15028 \fi

```

7.96 rapport3-xetex-bidi.def

```

15029 \ProvidesFile{rapport3-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for rapport3 class fo
15030 \renewenvironment{theindex}{%
15031     \if@twocolumn
15032         \@restonecolfalse
15033     \else
15034         \@restonecoltrue
15035     \fi
15036     \columnseprule \z@
15037     \columnsep 35\p@
15038     \twocolumn[\@makeschapterhead{\indexname}]{%
15039         \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15040         \thispagestyle{plain}\parindent\z@
15041         \parskip\z@ \@plus .3\p@\relax
15042         \let\item\@idxitem
15043     }{%
15044         \if@restonecol\onecolumn\else\clearpage\fi}
15045 \if@titlepage
15046 \renewcommand*\TitleFont{\rmfamily}
15047 \renewcommand*\maketitle{%
15048     \begin{titlepage}%
15049         \let\footnotesize\small
15050         \let\right@footnoterule\relax
15051         \let\left@footnoterule\relax
15052         \let\textwidth@footnoterule\relax
15053         \let \footnote \thanks
15054         \let \LTRfootnote \LTRthanks
15055         \let \RTLfootnote \RTLthanks
15056         \long\def\@makefnmark##1{\parindent\z@
15057             \def\labelitemi{\textendash}\@revlabeltrue
15058             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15059         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15060         \if@compatibility\setcounter{page}{0}\fi
15061         \null\vfil
15062         \vskip 60\p@
15063         \begin{center}%
15064             \TitleFont

```



```

15065 {\LARGE \def\{\penalty -\@M}
15066 \if@allcaps
15067 \expandafter\uc@nothanks\@title\thanks\relax
15068 \else
15069 \@title
15070 \fi\par}%
15071 \vskip 3em%
15072 {\large
15073 \lineskip .75em \parindent\z@
15074 \begin{tabular}[t]{c}%
15075 \if@allcaps
15076 \expandafter\uc@authornothanks\@author\and\relax
15077 \else
15078 \@author
15079 \fi
15080 \end{tabular}\par}%
15081 \vskip 1.5em%
15082 {\large
15083 \if@allcaps
15084 \uppercase\expandafter{\@date}%
15085 \else
15086 \@date
15087 \fi\par}%
15088 \end{center}\par
15089 \@thanks
15090 \vfil\null
15091 \end{titlepage}%
15092 \setcounter{footnote}{0}%
15093 \global\let\thanks\relax
15094 \global\let\LTRthanks\relax
15095 \global\let\RTLthanks\relax
15096 \global\let\maketitle\relax
15097 \global\let\@thanks\@empty
15098 \global\let\@author\@empty
15099 \global\let\@title\@empty
15100 \global\let\@date\@empty
15101 \global\let\title\relax
15102 \global\let\author\relax
15103 \global\let\date\relax
15104 \global\let\and\relax
15105 }
15106 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15107 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15108 \futurelet\@tempa\uc@ax}
15109 \def\uc@ax{%
15110 \ifx\@tempa\relax
15111 \else
15112 \\\andname \\\expandafter\uc@authornothanks
15113 \fi}
15114 \def\uc@tx{\ifx\@tempa\relax

```



```

15115 \else \expandafter\uc@ty \fi}
15116 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15117 \else
15118 \renewcommand*\maketitle{\par
15119 \begin{group}
15120 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15121 \def\@makefnmark{\rlap{%
15122 \@textsuperscript{\normalfont\@thefnmark}}}%
15123 \long\def\@makefntext{\@xmakefntext{%
15124 \@textsuperscript{\normalfont\@thefnmark}}}%
15125 \if@twocolumn
15126 \ifnum \col@number=\@ne
15127 \@maketitle
15128 \else
15129 \twocolumn[\@maketitle]%
15130 \fi
15131 \else
15132 \newpage
15133 \global\@topnum\z@
15134 \@maketitle
15135 \fi
15136 \thispagestyle{plain}\@thanks
15137 \endgroup
15138 \setcounter{footnote}{0}%
15139 \global\let\thanks\relax
15140 \global\let\LTRthanks\relax
15141 \global\let\RTLthanks\relax
15142 \global\let\maketitle\relax
15143 \global\let\@maketitle\relax
15144 \global\let\@thanks\@empty
15145 \global\let\@author\@empty
15146 \global\let\@title\@empty
15147 \global\let\@date\@empty
15148 \global\let\title\relax
15149 \global\let\author\relax
15150 \global\let\date\relax
15151 \global\let\and\relax
15152 }
15153 \def\@maketitle{%
15154 \newpage
15155 \null
15156 \vskip 2em%
15157 \if@titlecentered
15158 \begin{center}%
15159 \let \footnote \thanks
15160 \let \LTRfootnote \LTRthanks
15161 \let \RTLfootnote \RTLthanks
15162 {\LARGE \TitleFont \@title \par}%
15163 \vskip 1.5em%
15164 {\large \TitleFont

```




```

15165     \lineskip .5em%
15166     \begin{tabular}[t]{c}%
15167         \@author
15168     \end{tabular}\par}%
15169     \vskip 1em%
15170     {\large \TitleFont \@date}%
15171 \end{center}%
15172 \else
15173     {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
15174     {\large \TitleFont \lineskip .5em \tabcolsep\z@
15175         \def\and{%% \begin{tabular} has already started
15176             \end{tabular}\hskip 1em plus .17fil
15177             \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
15178             \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\p
15179     \vskip 1em {\large \TitleFont \@date}
15180 \fi
15181 \par
15182 \vskip 1.5em}
15183 \fi
15184 \renewcommand*\@regtocline[3]{%
15185     \ifnum #1>\c@tocdepth
15186     \else
15187         \vskip\z@\@plus.2\p@
15188         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15189         \ifRTL\righskip\else\leftskip\fi\unitindent
15190         \ifRTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
15191         \parfillskip\z@
15192         \@tempdima\unitindent
15193         \parindent\z@
15194         \leavevmode
15195         \hbox{}\hskip -\ifRTL\righskip\else\leftskip\fi\relax#2\nobreak
15196         \hskip 1em \nobreak{\slshape #3}\par
15197         }%
15198     \fi}
15199 \if@oldtoc
15200 \renewcommand*\l@part[2]{%
15201     \ifnum \c@tocdepth >-2\relax
15202         \addpenalty{-\@highpenalty}%
15203         \addvspace{2.25em \@plus\p@}%
15204         \begingroup
15205             \setlength\@tempdima{3em}%
15206             \parindent \z@ \ifRTL\leftskip\else\righskip\fi \@pnumwidth
15207             \parfillskip -\@pnumwidth
15208             {\leavevmode
15209                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15210                 \nobreak
15211                 \global\@nobreaktrue
15212                 \everypar{\global\@nobreakfalse\everypar{}}%
15213             \endgroup
15214 \fi}

```



```

15215 \else
15216   \renewcommand*\l@part{%
15217     \ifnum \c@tocdepth >-2\relax
15218       \addpenalty{-\@highpenalty}%
15219       \addvspace{2.25em \@plus \p}%
15220       \@regtocline{0}%
15221     \fi}
15222 \fi
15223 \if@oldtoc
15224   \renewcommand*\l@chapter[2]{%
15225     \addpenalty{-\@highpenalty}%
15226     \vskip 1.0em \@plus \p@
15227     \setlength\@tempdima{1.5em}%
15228     \begingroup
15229     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15230     \parfillskip -\@pnumwidth
15231     \leavevmode \bfseries
15232     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15233     \hskip -\if@RTL\rightskip\else\leftskip\fi
15234     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15235     \penalty\@highpenalty
15236   \endgroup}
15237 \else
15238   \renewcommand*\l@chapter{\@regtocline{0}}
15239 \fi
15240 \renewcommand*\head@style{%
15241   \interlinepenalty \@M
15242   \hyphenpenalty=\@M \exhyphenpenalty=\@M
15243   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15244 \if@titlepage
15245   \renewenvironment{abstract}{%
15246     \titlepage
15247     \null\vfil
15248     \section*{\SectFont\abstractname}%
15249     \noindent\ignorespaces}
15250   {\par\vfil\null\endtitlepage}
15251 \else
15252   \renewenvironment{abstract}{%
15253     \if@twocolumn
15254       \section*{\abstractname}%
15255     \else
15256       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15257       \section*{\small\SectFont\abstractname}%
15258       \noindent\ignorespaces
15259     \fi}
15260   {\if@twocolumn\else\par\egroup\fi}
15261 \fi
15262 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15263 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15264 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}

```



```

15265 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15266 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15267 \renewcommand*\thefigure{%
15268   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15269 \renewcommand*\thetable{%
15270   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15271 \renewcommand*\theequation{%
15272   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15273 \renewenvironment{thebibliography}[1]
15274   {\chapter*{\bibname}}%
15275   {\mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
15276   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
15277   \list{\@biblabel{\@arabic\c@enumiv}}%
15278     {\settowidth\labelwidth{\@biblabel{#1}}%
15279      \leftmargin\labelwidth
15280      \advance\leftmargin\labelsep
15281      \@openbib@code
15282      \usecounter{enumiv}%
15283      \let\p@enumiv\@empty
15284      \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15285   \sloppy\clubpenalty4000\widowpenalty4000%
15286   \sfcode`\.\@m}
15287   {\def\@noitemerr
15288     {\@latex@warning{Empty `thebibliography' environment}}}%
15289   \endlist}
15290 \renewcommand*\left@footnoterule{%
15291   \kern-3\p@
15292   \kern.5\baselineskip
15293   \hrule\@width\unitindent
15294   \kern.4\baselineskip
15295 }
15296 \renewcommand*\right@footnoterule{%
15297   \kern-3\p@
15298   \kern.5\baselineskip
15299   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15300   \kern.4\baselineskip}
15301 \renewcommand*\head@style{%
15302   \interlinepenalty \@M
15303   \hyphenpenalty=\@M \exhyphenpenalty=\@M
15304   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

7.97 refrep-xetex-bidi.def

```

15305 \ProvidesFile{refrep-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for refrep class for Xe
15306 \if@titlepage
15307   \renewcommand\maketitle{\begin{titlepage}}%
15308   \let\footnotesize\small
15309   \let\right@footnoterule\relax
15310   \let\left@footnoterule\relax
15311   \let\textwidth\footnoterule\relax

```



```

15312 \let\footnote\thanks
15313 \let\LTRfootnote\LTRthanks
15314 \let\RTLfootnote\RTLthanks
15315 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15316 \def\@makefnmark%
15317     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15318 \long\def\@makefntext##1{%
15319     \setpar{\@par
15320         \tempdima = \hsize
15321         \advance\tempdima -1em
15322         \parshape \@ne 1em \tempdima}%
15323     \par\parindent 1em \noindent
15324     \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,\}##1}
15325 \null\vfil
15326 \vskip 60\p@
15327 \begin{center}%
15328     {\LARGE \@title \par}%
15329     \vskip 3em%
15330     {\large
15331         \lineskip .75em%
15332         \begin{tabular}[t]{c}%
15333             \@author
15334         \end{tabular}\par}%
15335         \vskip 1.5em%
15336         {\large \@date \par}%           % Set date in \large size.
15337 \end{center}\par
15338 \@thanks
15339 \vfil\null
15340 \end{titlepage}%
15341 \setcounter{footnote}{0}%
15342 \global\let\thanks\relax
15343 \global\let\LTRthanks\relax
15344 \global\let\RTLthanks\relax
15345 \global\let\maketitle\relax
15346 \global\let\@thanks\@empty
15347 \global\let\@author\@empty
15348 \global\let\@date\@empty
15349 \global\let\@title\@empty
15350 \global\let\title\relax
15351 \global\let\author\relax
15352 \global\let\date\relax
15353 \global\let\and\relax
15354 }
15355 \else
15356 \renewcommand\maketitle{\par
15357     \begingroup
15358         \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15359         \def\@makefnmark%
15360             {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15361         \long\def\@makefntext##1{%

```



```

15362         \@setpar{\@par
15363             \@tempdima = \hsize
15364             \advance\@tempdima -1em
15365             \parshape \@ne 1em \@tempdima}%
15366         \par\parindent 1em \noindent
15367         \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
15368     \if@twocolumn
15369         \ifnum \col@number=\@ne
15370             \@maketitle
15371         \else
15372             \twocolumn[\@maketitle]%
15373         \fi
15374     \else
15375         \newpage
15376         \global\@topnum\z@    % Prevents figures from going at top of page.
15377         \@maketitle
15378     \fi
15379     \thispagestyle{empty}\@thanks
15380 \endgroup
15381 \setcounter{footnote}{0}%
15382 \global\let\thanks\relax
15383 \global\let\LTRthanks\relax
15384 \global\let\RTLthanks\relax
15385 \global\let\maketitle\relax
15386 \global\let\@maketitle\relax
15387 \global\let\@thanks\@empty
15388 \global\let\@author\@empty
15389 \global\let\@date\@empty
15390 \global\let\@title\@empty
15391 \global\let\title\relax
15392 \global\let\author\relax
15393 \global\let\date\relax
15394 \global\let\and\relax
15395 }
15396 \def\@maketitle{%
15397     \newpage
15398     \null
15399     \longthickrule\vskip1.5em%
15400     \let \footnote \thanks
15401     \let \LTRfootnote \LTRthanks
15402     \let \RTLfootnote \RTLthanks
15403     {\secshape \parskip\z@ \parindent\z@
15404     \Large\bfseries \@title \par}%
15405     \vskip1.5em\longthickrule\vskip1.5em%
15406     {\normalsize
15407         \lineskip .5em%
15408         \begin{flushright}%
15409             {\slshape\@author\par}
15410             \vskip 1em%
15411             {\@date}%

```



```

15412     \end{flushright}\par}%
15413     \vskip 1.5em}
15414 \fi
15415 \renewcommand*\l@part[2]{%
15416     \ifnum \c@tocdepth >-2\relax
15417         \addpenalty{-\@highpenalty}%
15418         \addvspace{2.25em \@plus\p@}%
15419         \begingroup
15420             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15421             \parfillskip -\@pnumwidth
15422             {\leavevmode
15423                 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
15424             \nobreak
15425             \global\@nobreaktrue
15426             \everypar{\global\@nobreakfalse\everypar{}}%
15427         \endgroup
15428 \fi}
15429 \renewcommand*\l@chapter[2]{%
15430     \ifnum \c@tocdepth >\m@ne
15431         \addpenalty{-\@highpenalty}%
15432         \vskip 1.0em \@plus\p@
15433         \setlength\@tempdima{1.5em}%
15434         \begingroup
15435             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15436             \parfillskip -\@pnumwidth
15437             \leavevmode \bfseries
15438             \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15439             \hskip -\if@RTL\rightskip\else\leftskip\fi
15440             #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15441             \penalty\@highpenalty
15442         \endgroup
15443 \fi}
15444 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
15445     \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
15446     \hyphenpenalty=2000}
15447 \renewcommand\left@footnoterule{%
15448     \kern-3\p@
15449     \hrule\@width.4\columnwidth
15450     \kern 2.6\p@}
15451 \renewcommand\right@footnoterule{%
15452     \kern-3\p@
15453     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15454     \kern2.6\p@}
15455 \renewcommand\theequation
15456 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15457 \renewcommand\thefigure
15458 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15459 \renewcommand\thetable%
15460 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15461 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}

```



```

15462 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15463 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
15464 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15465 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15466 \renewenvironment{thebibliography}[1]
15467     {\chapter*{\bibname
15468         \mkboth{\bibname}{\bibname}}%
15469         \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
15470         \list{\@biblabel{\@arabic\c@enumiv}}%
15471             {\settowidth\labelwidth{\@biblabel{#1}}%
15472              \leftmargin\labelwidth
15473              \advance\leftmargin\labelsep
15474              \@openbib@code
15475              \usecounter{enumiv}%
15476              \let\p@enumiv\@empty
15477              \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15478              \sloppy
15479              \clubpenalty4000
15480              \@clubpenalty \clubpenalty
15481              \widowpenalty4000%
15482         \sfcode\@.=\@m}
15483     {\def\@noitemerr
15484         {\@latex@warning{Empty `thebibliography' environment}}%
15485         \endlist}

```

7.98 report-xetex-bidi.def

```

15486 \ProvidesFile{report-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for standard report cla
15487 \renewenvironment{theindex}
15488     {\if@twocolumn
15489         \@restonecolfalse
15490         \else
15491         \@restonecoltrue
15492         \fi
15493         \columnseprule \z@
15494         \columnsep 35\p@
15495         \twocolumn[\@makeschapterhead{\indexname}]%
15496         \@mkboth{\MakeUppercase\indexname}%
15497                 {\MakeUppercase\indexname}%
15498         \thispagestyle{plain}\parindent\z@
15499         \parskip\z@ \@plus .3\p@\relax
15500         \let\item\@idxitem}
15501     {\if@restonecol\onecolumn\else\clearpage\fi}
15502 \if@titlepage
15503 \renewcommand\maketitle{\begin{titlepage}%
15504 \let\footnotesize\small
15505 \let\right@footnoterule\relax
15506 \let\left@footnoterule\relax
15507 \let\textwidth\footnoterule\relax
15508 \let \footnote \thanks

```



```

15509 \let \LTRfootnote \LTRthanks
15510 \let \RTLfootnote \RTLthanks
15511 \null\vfil
15512 \vskip 60\p@
15513 \begin{center}%
15514   {\LARGE \@title \par}%
15515   \vskip 3em%
15516   {\large
15517     \lineskip .75em%
15518     \begin{tabular}[t]{c}%
15519       \@author
15520     \end{tabular}\par}%
15521     \vskip 1.5em%
15522     {\large \@date \par}%           % Set date in \large size.
15523 \end{center}\par
15524 \@thanks
15525 \vfil\null
15526 \end{titlepage}%
15527 \setcounter{footnote}{0}%
15528 \global\let\thanks\relax
15529 \global\let\LTRthanks\relax
15530 \global\let\RTLthanks\relax
15531 \global\let\maketitle\relax
15532 \global\let\@thanks\@empty
15533 \global\let\@author\@empty
15534 \global\let\@date\@empty
15535 \global\let\@title\@empty
15536 \global\let\title\relax
15537 \global\let\author\relax
15538 \global\let\date\relax
15539 \global\let\and\relax
15540 }
15541 \else
15542 \renewcommand\maketitle{\par
15543   \begingroup
15544     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15545     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15546     \long\def\@makefntext##1{\parindent 1em\noindent
15547       \hb@xt@1.8em{%
15548         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15549     \if@twocolumn
15550       \ifnum \col@number=\@ne
15551         \@maketitle
15552       \else
15553         \twocolumn[\@maketitle]%
15554       \fi
15555     \else
15556       \newpage
15557       \global\@topnum\z@    % Prevents figures from going at top of page.
15558       \@maketitle

```




```

15559 \fi
15560 \thispagestyle{plain}\@thanks
15561 \endgroup
15562 \setcounter{footnote}{0}%
15563 \global\let\thanks\relax
15564 \global\let\LTRthanks\relax
15565 \global\let\RTLthanks\relax
15566 \global\let\maketitle\relax
15567 \global\let\@maketitle\relax
15568 \global\let\@thanks\@empty
15569 \global\let\@author\@empty
15570 \global\let\@date\@empty
15571 \global\let\@title\@empty
15572 \global\let\title\relax
15573 \global\let\author\relax
15574 \global\let\date\relax
15575 \global\let\and\relax
15576 }
15577 \def\@maketitle{%
15578 \newpage
15579 \null
15580 \vskip 2em%
15581 \begin{center}%
15582 \let \footnote \thanks
15583 \let \LTRfootnote \LTRthanks
15584 \let \RTLfootnote \RTLthanks
15585 {\LARGE \@title \par}%
15586 \vskip 1.5em%
15587 {\large
15588 \lineskip .5em%
15589 \begin{tabular}[t]{c}%
15590 \@author
15591 \end{tabular}\par}%
15592 \vskip 1em%
15593 {\large \@date}%
15594 \end{center}%
15595 \par
15596 \vskip 1.5em}
15597 \fi
15598 \renewcommand*\l@part[2]{%
15599 \ifnum \c@tocdepth >-2\relax
15600 \addpenalty{-\@highpenalty}%
15601 \addvspace{2.25em \@plus\p@}%
15602 \setlength\@tempdima{3em}%
15603 \begin{group
15604 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15605 \parfillskip -\@pnumwidth
15606 {\leavevmode
15607 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15608 \nobreak

```



```

15609      \global\@nbreaktrue
15610      \everypar{\global\@nbreakfalse\everypar{}}%
15611    \endgroup
15612  \fi}
15613 \renewcommand*\l@chapter[2]{%
15614   \ifnum \c@tocdepth >\m@ne
15615     \addpenalty{-\@highpenalty}%
15616     \vskip 1.0em \@plus\p@
15617     \setlength\@tempdima{1.5em}%
15618     \begingroup
15619       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15620       \parfillskip -\@pnumwidth
15621       \leavevmode \bfseries
15622       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15623       \hskip -\if@RTL\rightskip\else\leftskip\fi
15624       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15625       \penalty\@highpenalty
15626     \endgroup
15627   \fi}
15628 \renewcommand\left@footnoterule{%
15629   \kern-3\p@
15630   \hrule\@width.4\columnwidth
15631   \kern2.6\p@}
15632 \renewcommand\right@footnoterule{%
15633   \kern-3\p@
15634   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15635   \kern2.6\p@}
15636 \renewcommand\theequation
15637   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15638 \renewcommand \thefigure
15639   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15640 \renewcommand \thetable
15641   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15642 \renewcommand \thechapter {\@arabic\c@chapter}
15643 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15644 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15645 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15646 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15647 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15648 \def\@makechapterhead#1{%
15649   \vspace*{50\p@}%
15650   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15651     \ifnum \c@secnumdepth >\m@ne
15652       \huge\bfseries \@chapapp\space \thechapter
15653       \par\nobreak
15654       \vskip 20\p@
15655     \fi
15656     \interlinepenalty\@M
15657     \Huge \bfseries #1\par\nobreak
15658     \vskip 40\p@

```



```

15659   }}
15660 \def\@makeschapterhead#1{%
15661   \vspace*{50\p@}%
15662   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
15663     \normalfont
15664     \interlinepenalty\@M
15665     \Huge \bfseries #1\par\nobreak
15666     \vskip 40\p@
15667   }}
15668 \renewenvironment{thebibliography}[1]
15669   {\chapter*{\bibname}%
15670    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15671    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15672    \list{\@biblabel{\@arabic\c@enumiv}}%
15673      {\settowidth\labelwidth{\@biblabel{#1}}%
15674       \leftmargin\labelwidth
15675       \advance\leftmargin\labelsep
15676       \@openbib@code
15677       \usecounter{enumiv}%
15678       \let\p@enumiv\@empty
15679       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15680    \sloppy
15681    \clubpenalty4000
15682    \@clubpenalty \clubpenalty
15683    \widowpenalty4000%
15684    \sfcode\.\@m}
15685 {\def\@noitemerr
15686   {\@latex@warning{Empty `thebibliography' environment}}}%
15687 \endlist}

```

7.99 rotating-xetex-bidi.def

```

15688 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
15689 \def\end@rotfloat{%
15690   \end{minipage}\end{lrbox}%
15691   \stepcounter{r@tfl@t}%
15692   \rot@label{RF\ther@tfl@t}%
15693   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
15694   \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
15695   \rot@mess@toks\expandafter{\@tempa}
15696   \wd\rot@float@box\z@
15697   \ht\rot@float@box\z@
15698   \dp\rot@float@box\z@
15699   \vboxL to \textheight{%
15700     \setkeys{Grot}{units=360}%
15701     \if@rot@twoside
15702     \else
15703       \let\R@@page\rot@LR
15704     \fi
15705     \ifthenelse{\isodd{\R@@page}}{%

```



```

15706     \if@rot@twoside
15707         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
15708     \fi
15709     \vfill
15710     \@@line{%
15711         \hskip\rotFPtop
15712         \rotatebox{90}{\box\rot@float@box}%
15713         \hskip\rotFPbot
15714     }%
15715 }{%
15716     \if@rot@twoside
15717         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
15718     \fi
15719     \@@line{%
15720         \hskip\rotFPbot
15721         \rotatebox{-90}{\box\rot@float@box}%
15722         \hskip\rotFPtop
15723     }%
15724     \vfill
15725 }%
15726     \rot@message{\the\rot@mess@toks}
15727 }%
15728 \end@float
15729 }
15730 \let\endsidewaysfigure\end@rotfloat
15731 \let\endsidewaysstable\end@rotfloat
15732 \def\end@rotdblfloat{%
15733     \end{minipage}\end{lrbox}%
15734     \stepcounter{r@tfl@t}%
15735     \rot@label{RF\ther@tfl@t}%
15736     \rot@pageref{RF\ther@tfl@t}{\R@@page}%
15737     \edef\@tempa{Adding sideways \@captype\space on page \R@@page\space}
15738     \rot@mess@toks\expandafter{\@tempa}
15739     \@tempdima\ht\rot@float@box
15740     \advance\@tempdima by \dp\rot@float@box
15741     \wd\rot@float@box\z@
15742     \ht\rot@float@box\z@
15743     \dp\rot@float@box\z@
15744     \vboxL to \textheight{%
15745         \setkeys{Grot}{units=360}}%
15746     \if@rot@twoside
15747     \else
15748         \let\R@@page\rot@LR
15749     \fi
15750     \ifthenelse{\isodd{\R@@page}}{%
15751         \ifrot@messages
15752             \if@rot@twoside
15753                 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
15754     \fi
15755     \fi

```



```

15756      \vfill
15757      \@@line{%
15758          \hskip\rotFPtop
15759          \rotatebox{90}{\box\rot@float@box}%
15760          \hskip\rotFPbot
15761      }%
15762  }{%
15763      \ifrot@messages
15764      \ifrot@twoside
15765      \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
15766 \fi
15767      \fi%
15768      \@@line{%
15769          \hskip\rotFPbot
15770          \rotatebox{-90}{\box\rot@float@box}%
15771          \hskip\rotFPtop
15772      }%
15773      \vfill
15774      }%
15775      \rot@message{\the\rot@mess@toks}%
15776  }%
15777  \end@dblfloat
15778 }
15779 \def\turn#1{%
15780     \Grot@setangle{#1}%
15781     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15782 \def\endturn{%
15783     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15784     \unskip\color@endbox
15785     \Grot@x\z@
15786     \Grot@y\z@
15787     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15788 }
15789 \def\rotate#1{%
15790     \Grot@setangle{#1}%
15791     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15792 \def\endrotate{%
15793     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15794     \unskip\color@endbox
15795     \Grot@x\z@
15796     \Grot@y\z@
15797     \wd0\z@\dp0\z@\ht0\z@
15798     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15799 }
15800 \def\turnbox#1#2{%
15801     \Grot@setangle{#1}%
15802     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
15803     \Grot@x\z@\Grot@y\z@
15804     \wd0\z@\dp0\z@\ht0\z@
15805     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi

```



```

15806 }
15807 \def\sideways{%
15808   \Grot@setangle{90}%
15809   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15810 \def\endsideways{%
15811   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15812   \unskip\color@endbox
15813   \Grot@x\z@
15814   \Grot@y\z@
15815   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15816 }

```

7.100 scrartcl-xetex-bidi.def

```

15817 \ProvidesFile{scrartcl-xetex-bidi.def}[2016/09/14 v1.0 bidi adaptations for scrartcl class fo
15818 \newcommand{\scr@saved@LTRfootnotetext}{}
15819 \newcommand{\scr@saved@RTLfootnotetext}{}
15820 \let\scr@saved@footnotetext\@footnotetext
15821 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
15822 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
15823 \renewcommand{\@footnotetext}[1]{%
15824   \scr@saved@footnotetext{#1}%
15825   \csname FN@mfb@prepare\endcsname
15826 }
15827 \renewcommand{\@LTRfootnotetext}[1]{%
15828   \scr@saved@LTRfootnotetext{#1}%
15829   \csname FN@mfb@prepare\endcsname
15830 }
15831 \renewcommand{\@RTLfootnotetext}[1]{%
15832   \scr@saved@RTLfootnotetext{#1}%
15833   \csname FN@mfb@prepare\endcsname
15834 }
15835 \renewcommand\deffootnote[4][1]{%
15836   \long\def\@makefntext##1{%
15837     \setlength{\@tempdimc}{#3}%
15838     \def\@tempa{#1}\ifx\@tempa\@empty
15839       \setpar{\@par
15840         \@tempdima = \hspace
15841         \addtolength{\@tempdima}{-#2}%
15842         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
15843     \else
15844       \addtolength{\@tempdimc}{#2}%
15845       \addtolength{\@tempdimc}{-#1}%
15846       \setpar{\@par
15847         \@tempdima = \hspace
15848         \addtolength{\@tempdima}{-#1}%
15849         \@tempdimb = \hspace
15850         \addtolength{\@tempdimb}{-#2}%
15851         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
15852       }%

```



```

15853 \fi
15854 \par
15855 \parindent\@tempdimc\noindent
15856 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
15857 }%
15858 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
15859 }
15860 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
15861 \renewcommand*\left@footnoterule{%
15862 \normalsize\ftn@rule@test@values
15863 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
15864 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15865 {\usekomafont{footnoterule}{%
15866 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
15867 \kern 2.6\p@}
15868 \renewcommand*\right@footnoterule{%
15869 \normalsize\ftn@rule@test@values
15870 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
15871 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15872 {\usekomafont{footnoterule}{%
15873 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
15874 \kern 2.6\p@}
15875 \renewcommand*\maketitle[1][1]{%
15876 \if@titlepage
15877 \begin{titlepage}
15878 \setcounter{page}{%
15879 #1%
15880 }%
15881 \let\footnotesize\small
15882 \let\right@footnoterule\relax
15883 \let\left@footnoterule\relax
15884 \let\textwidth@footnoterule\relax
15885 \let\footnote\thanks
15886 \let\LTRfootnote\LTRthanks
15887 \let\RTLfootnote\RTLthanks
15888 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15889 \let\@oldmakefnmark\@makefnmark
15890 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
15891 \ifx\@extratitle\@empty \else
15892 \noindent\@extratitle\next@tpage\cleardoubleemptypage
15893 \thispagestyle{empty}%
15894 \fi
15895 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15896 \ifx\@titlehead\@empty \else
15897 \begin{minipage}[t]{\textwidth}%
15898 \@titlehead
15899 \end{minipage}\par
15900 \fi
15901 \null\vfill
15902 \begin{center}

```



```

15903     \ifx\@subject\@empty \else
15904         {\subject@font \@subject \par}%
15905         \vskip 3em
15906     \fi
15907     {\titlefont\huge \@title\par}%
15908     \vskip 1em
15909     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15910     \vskip 2em
15911     {\Large \lineskip 0.75em
15912         \begin{tabular}[t]{c}
15913             \@author
15914         \end{tabular}\par
15915     }%
15916     \vskip 1.5em
15917     {\Large \@date \par}%
15918     \vskip \z@ \@plus3fill
15919     {\Large \@publishers \par}%
15920     \vskip 3em
15921 \end{center}\par
15922 \@thanks
15923 \vfill\null
15924 \if@twoside\next@tpage
15925     \begin{minipage}[t]{\textwidth}
15926         \@uppertitleback
15927     \end{minipage}\par
15928     \vfill
15929     \begin{minipage}[b]{\textwidth}
15930         \@lowertitleback
15931     \end{minipage}
15932 \fi
15933 \ifx\@dedication\@empty \else
15934     \next@tpage\null\vfill
15935     {\centering \Large \@dedication \par}%
15936     \vskip \z@ \@plus3fill
15937     \if@twoside \next@tpage\cleardoubleemptypage \fi
15938 \fi
15939 \end{titlepage}
15940 \else
15941     \par
15942     \@tempcnta=
15943     #1%
15944     \relax\ifnum\@tempcnta=1\else
15945         \ClassWarning{\KOMAClassName}{%
15946             Optional argument of \string\maketitle\space ignored
15947             at\MessageBreak
15948             notitlepage-mode%
15949         }%
15950     \fi
15951 \begingroup
15952     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%

```




```

15953     \let\@oldmakefnmark\@makefnmark
15954     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
15955     \if@twocolumn
15956         \ifnum \col@number=\@ne
15957             \@maketitle
15958         \else
15959             \twocolumn[\@maketitle]%
15960         \fi
15961     \else
15962         \newpage
15963         \global\@topnum\z@
15964         \@maketitle
15965     \fi
15966     \thispagestyle{\titlepagestyle}\@thanks
15967 \endgroup
15968 \fi
15969 \setcounter{footnote}{0}%
15970 \let\thanks\relax
15971 \let\LTRthanks\relax
15972 \let\RTLthanks\relax
15973 \let\maketitle\relax
15974 \let\@maketitle\relax
15975 \global\let\@thanks\@empty
15976 \global\let\@author\@empty
15977 \global\let\@date\@empty
15978 \global\let\@title\@empty
15979 \global\let\@subtitle\@empty
15980 \global\let\@extratitle\@empty
15981 \global\let\@titlehead\@empty
15982 \global\let\@subject\@empty
15983 \global\let\@publishers\@empty
15984 \global\let\@uppertitleback\@empty
15985 \global\let\@lowertitleback\@empty
15986 \global\let\@dedication\@empty
15987 \global\let\author\relax
15988 \global\let\title\relax
15989 \global\let\extratitle\relax
15990 \global\let\titlehead\relax
15991 \global\let\subject\relax
15992 \global\let\publishers\relax
15993 \global\let\uppertitleback\relax
15994 \global\let\lowertitleback\relax
15995 \global\let\dedication\relax
15996 \global\let\date\relax
15997 \global\let\and\relax
15998 }%
15999 \renewcommand*{\@maketitle}{%
16000     \clearpage
16001     \let\footnote\thanks
16002     \let\LTRfootnote\LTRthanks

```



```

16003 \let\RTLfootnote\RTLthanks
16004 \ifx\@extratitle\@empty \else
16005   \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16006 \fi
16007 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16008 \ifx\@titlehead\@empty \else
16009   \begin{minipage}[t]{\textwidth}
16010     \@titlehead
16011   \end{minipage}\par
16012 \fi
16013 \null
16014 \vskip 2em%
16015 \begin{center}%
16016   \ifx\@subject\@empty \else
16017     {\subject@font \@subject \par}
16018     \vskip 1.5em
16019   \fi
16020   {\titlefont\huge \@title \par}%
16021   \vskip .5em
16022   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16023   \vskip 1em
16024   {\Large
16025     \lineskip .5em%
16026     \begin{tabular}[t]{c}
16027       \@author
16028     \end{tabular}\par
16029   }%
16030   \vskip 1em%
16031   {\Large \@date \par}%
16032   \vskip \z@ \@plus 1em
16033   {\Large \@publishers \par}
16034   \ifx\@dedication\@empty \else
16035     \vskip 2em
16036     {\Large \@dedication \par}
16037   \fi
16038 \end{center}%
16039 \par
16040 \vskip 2em
16041 }%
16042 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16043 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
16044 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16045 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
16046 \renewcommand*{\thesubsubsection}{%
16047   \thesubsection\@SepMark\@arabic\c@subsubsection
16048 }
16049 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16050 \renewcommand*{\thesubparagraph}{%
16051   \theparagraph\@SepMark\@arabic\c@subparagraph
16052 }

```



```

16053 \renewenvironment{thebibliography}[1]{%
16054   \if@bib@break@
16055   \bib@beginhook
16056   \else
16057     \bib@heading
16058     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16059       \noindent\bibpreamble\par\nobreak
16060     \fi\fi
16061     \bib@beginhook
16062     \bib@before@hook
16063   \fi
16064   \renewcommand{\BreakBibliography}[1]{%
16065     \@bib@break
16066     \end{thebibliography}%
16067     \begingroup ##1\endgroup
16068     \begin{thebibliography}{#1}
16069   }%
16070   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16071   \list{%
16072     \@biblabel{\@arabic\c@enumiv}%
16073   }{%
16074     \settowidth\labelwidth{\@biblabel{#1}}%
16075     \leftmargin\labelwidth
16076     \advance\leftmargin\labelsep
16077     \@openbib@code
16078     \if@bib@break@
16079       \edef\@tempa{%
16080         \noexpand\usecounter{enumiv}%
16081         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16082       }\@tempa
16083       \no@bib@break
16084     \else
16085       \usecounter{enumiv}%
16086     \fi
16087     \let\p@enumiv\@empty
16088     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16089   }%
16090   \sloppy\clubpenalty4000 \widowpenalty4000
16091   \sfcode`\.=\@m
16092 }{%
16093   \if@bib@break@
16094     \def\@noitemerr{%
16095       \@latex@warning{%
16096         \string\BreakBibliography\space at begin of `thebibliography'
16097         environment\MessageBreak
16098         or following \string\BreakBibliography}%
16099     }%
16100   \else
16101     \def\@noitemerr{%
16102       \@latex@warning{%

```



```

16103      Empty `thebibliography' environment or
16104      \string\BreakBibliography\MessageBreak
16105      before end of `thebibliography' environment}%
16106  }%
16107  \fi
16108  \endlist
16109  \if@bib@break@
16110  \else
16111    \bib@after@hook
16112    \let\bib@before@hook\@empty
16113    \let\bib@after@hook\@empty
16114  \fi
16115  \bib@endhook
16116 }
16117 \renewcommand*\left@footnoterule{%
16118   \kern-3\p@
16119   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16120   \hrule\@width.4\columnwidth
16121   \kern 2.6\p@}
16122 \renewcommand*\right@footnoterule{%
16123   \kern-3\p@
16124   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16125   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16126   \kern2.6\p@}
16127 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
16128 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
16129 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
16130 \renewcommand\marginline[1]{%
16131   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16132 }
16133 \renewcommand{\@makecaption}[3]{%
16134   \cap@margin
16135   \ifonelinecaptions
16136     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16137     \let\scr@tmp@footnotetext=\@footnotetext
16138     \let\@footnotetext=\@gobble
16139     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16140     \let\@LTRfootnotetext=\@gobble
16141     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16142     \let\@RTLfootnotetext=\@gobble
16143     \sbox\@tempboxa{%
16144       {\capfont{\strut\ignorespaces
16145         #1{\caplabelfont{#2\captionformat}}}%
16146         #3\unskip\strut}}%
16147     }%
16148     \let\@footnotetext=\scr@tmp@footnotetext
16149     \let\scr@tmp@footnotetext=\undefined
16150     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16151     \let\scr@tmp@LTRfootnotetext=\undefined
16152     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext

```



```

16153 \let\scr@tmp@RTLfootnotetext=\undefined
16154 \setcounter{footnote}{\@tempcntb}%
16155 \setcounter{mpfootnote}{\@tempcnta}%
16156 \else
16157 \sbox\@tempboxa{\hspace*{2\cap@width}}%
16158 \fi
16159 \beginingroup%
16160 \setlength{\@tempdima}{\cap@width}%
16161 \ifdim \wd\@tempboxa >\@tempdima
16162 \hb@xt@\hsize{%
16163 \setbox\@tempboxa\vbox{\hsize=\cap@width
16164 \ifdoofullc@p
16165 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16166 #1{\caplabelfont{#2\captionformat}}}}}%
16167 {\#3\unskip\strut\par}}}%
16168 \else%
16169 \ifdim\cap@indent<\z@
16170 {\capfont{\strut\ignorespaces
16171 #1{\caplabelfont{#2\captionformat\par}}}%
16172 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
16173 \else%
16174 \if@capbreak
16175 {\capfont{\strut\ignorespaces
16176 #1{\caplabelfont{#2\captionformat\par}}}%
16177 \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
16178 \else
16179 {\capfont{\@hangfrom{\scr@smashdp{\strut\hspace*{\cap@indent}}}%
16180 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16181 {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
16182 \fi
16183 \fi
16184 \fi
16185 }%
16186 \setlength{\@tempdima}{\ht\@tempboxa}%
16187 \addtolength{\@tempdima}{\dp\@tempboxa}%
16188 \addtolength{\@tempdima}{-\ht\strutbox}%
16189 \ht\@tempboxa\ht\strutbox
16190 \dp\@tempboxa\@tempdima
16191 \strut\cap@left
16192 \box\@tempboxa
16193 \cap@right\strut
16194 }%
16195 \else
16196 \global \@minipagefalse
16197 \sbox\@tempboxa{%
16198 {\capfont{\scr@smashdp{\strut\ignorespaces
16199 #1{\caplabelfont{#2\captionformat}}}}}%
16200 #3}%
16201 }%
16202 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\c

```



```

16203     \fi
16204   \endgroup
16205 }
16206 \renewcommand{\@makecaption}[2]{%
16207   \if@captionabove
16208     \vskip\belowcaptionskip
16209   \else
16210     \vskip\abovecaptionskip
16211   \fi
16212   \@makecaption\@firstofone{#1}{#2}%
16213   \if@captionabove
16214     \vskip\abovecaptionskip
16215   \else
16216     \vskip\belowcaptionskip
16217   \fi
16218 }
16219 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16220   \@ifpackageloaded{caption2}{\@komalongtablefalse
16221     \scr@caption@before@longtable@warning{caption2}%
16222   }{}%
16223   \if@komalongtable
16224     \renewcommand{\LT@makecaption}[3]{%
16225       \noalign{%
16226         \if@captionabove
16227           \vskip\belowcaptionskip
16228         \else
16229           \vskip\abovecaptionskip
16230         \fi
16231       }%
16232       \LT@mcol\LT@cols c{%
16233         \hbox to\z@{\hss\parbox[t]{linewidth{%
16234           \@makecaption{#1}{#2}{#3}%
16235         }\endgraf
16236         \if@captionabove
16237           \vskip\abovecaptionskip
16238         \else
16239           \vskip\belowcaptionskip
16240         \fi
16241       }%
16242       \hss
16243     }%
16244   }%
16245 }%
16246 \renewcommand*\scr@LT@array{}%
16247 \let\scr@LT@array=\LT@array
16248 \renewcommand*\scr@LT@array{%
16249   \let\scr@caption=\LT@caption
16250   \def\captionabove{\noalign{\global\@captionabovetrue}%
16251     \scr@caption}%
16252   \def\captionbelow{\noalign{\global\@captionabovetrue}%

```



```

16253         \scr@caption}%
16254     \if@tablecaptionabove
16255         \let\LT@caption=\captionabove
16256     \else
16257         \let\LT@caption=\captionbelow
16258     \fi
16259     \scr@LT@array
16260 }%
16261 \ClassInfo{\KOMAClassName}{%
16262     longtable captions redefined%
16263 }%
16264 \fi
16265 }
16266
16267 \CloneTOCEntryStyle{tocline}{part}
16268 \TOCEntryStyleStartInitCode{part}{%
16269     \expandafter\renewcommand%
16270     \csname scr@tso@#1@linefill\endcsname{\hfill}%
16271     \expandafter\renewcommand%
16272     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
16273     \expandafter\renewcommand%
16274     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16275         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}%
16276     \expandafter\renewcommand\expandafter*%
16277     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
16278 }
16279
16280 \CloneTOCEntryStyle{tocline}{section}
16281 \TOCEntryStyleStartInitCode{section}{%
16282     \expandafter\renewcommand%
16283     \csname scr@tso@#1@linefill\endcsname{%
16284         \if@sectionentrywithdots
16285             \TOCLineLeaderFill\relax
16286         \else
16287             \hfill
16288         \fi
16289     }%
16290     % F^^fcr die Eintr^^e4ge die Schrift von Element sectionentry verwenden.
16291     \expandafter\renewcommand%
16292     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
16293     \expandafter\renewcommand%
16294     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{se
16295     \expandafter\renewcommand\expandafter*%
16296     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
16297 }
16298
16299 \CloneTOCEntryStyle{tocline}{subsection}
16300 \TOCEntryStyleStartInitCode{subsection}{%
16301     \expandafter\renewcommand%
16302     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%

```



```

16303 }
16304
16305 \CloneTOCEntryStyle{subsection}{default}
16306
16307 \DeclareSectionCommand[%
16308   style=part,%
16309   level=\z@,%
16310   tocstyle=part,%
16311   toplevel=\m@ne,%
16312   tocindent=\z@,%
16313   tocnumwidth=2em%
16314 ]{part}
16315 \DeclareSectionCommand[%
16316   style=section,%
16317   level=1,%
16318   indent=\z@,%
16319   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
16320   afterskip=2.3ex \@plus .2ex,%
16321   tocstyle=section,%
16322   tocindent=0pt,%
16323   tocnumwidth=1.5em%
16324 ]{section}
16325 \DeclareSectionCommand[%
16326   style=section,%
16327   level=2,%
16328   indent=\z@,%
16329   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
16330   afterskip=1.5ex \@plus .2ex,%
16331   tocstyle=subsection,%
16332   tocindent=1.5em,%
16333   tocnumwidth=2.3em%
16334 ]{subsection}
16335 \DeclareSectionCommand[%
16336   style=section,%
16337   level=3,%
16338   indent=\z@,%
16339   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
16340   afterskip=1.5ex \@plus .2ex,%
16341   tocstyle=subsection,%
16342   tocindent=3.8em,%
16343   tocnumwidth=3.2em%
16344 ]{subsubsection}
16345 \DeclareSectionCommand[%
16346   style=section,%
16347   level=4,%
16348   indent=\z@,%
16349   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
16350   afterskip=-1em,%
16351   tocstyle=subsection,%
16352   tocindent=7.0em,%

```




```

16353   tocnumwidth=4.1em%
16354 ]{paragraph}
16355 \DeclareSectionCommand[%
16356   style=section,%
16357   level=5,%
16358   indent=\scr@parindent,%
16359   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
16360   afterskip=-1em,%
16361   tocstyle=subsection,%
16362   tocindent=10em,%
16363   tocnumwidth=5em%
16364 ]{subparagraph}

```

7.101 scrbook-xetex-bidi.def

```

16365 \ProvidesFile{scrbook-xetex-bidi.def}[2016/09/14 v1.0 bidi adaptations for scrbook class for
16366 \newcommand{\scr@saved@LTRfootnotetext}{}
16367 \newcommand{\scr@saved@RTLfootnotetext}{}
16368 \let\scr@saved@footnotetext\@footnotetext
16369 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16370 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16371 \renewcommand{\@footnotetext}[1]{%
16372   \scr@saved@footnotetext{#1}%
16373   \csname FN@mfb@prepare\endcsname
16374 }
16375 \renewcommand{\@LTRfootnotetext}[1]{%
16376   \scr@saved@LTRfootnotetext{#1}%
16377   \csname FN@mfb@prepare\endcsname
16378 }
16379 \renewcommand{\@RTLfootnotetext}[1]{%
16380   \scr@saved@RTLfootnotetext{#1}%
16381   \csname FN@mfb@prepare\endcsname
16382 }
16383 \renewcommand\deffootnote[4][{}]{%
16384   \long\def\@makefntext##1{%
16385     \setlength{\@tempdimc}{#3}%
16386     \def\@tempa{#1}\ifx\@tempa\@empty
16387       \@setpar{\@par
16388         \@tempdima = \hsize
16389         \addtolength{\@tempdima}{-#2}%
16390         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16391     \else
16392       \addtolength{\@tempdimc}{#2}%
16393       \addtolength{\@tempdimc}{-#1}%
16394       \@setpar{\@par
16395         \@tempdima = \hsize
16396         \addtolength{\@tempdima}{-#1}%
16397         \@tempdimb = \hsize
16398         \addtolength{\@tempdimb}{-#2}%
16399         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima

```



```

16400     }%
16401     \fi
16402     \par
16403     \parindent\@tempdimc\noindent
16404     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16405     }%
16406     \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
16407 }
16408 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16409 \renewcommand*\left@footnoterule{%
16410     \normalsize\ftn@rule@test@values
16411     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16412     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16413     {\usekomafont{footnoterule}{%
16414         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16415     \kern 2.6\p@}
16416 \renewcommand*\right@footnoterule{%
16417     \normalsize\ftn@rule@test@values
16418     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16419     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16420     {\usekomafont{footnoterule}{%
16421         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16422         \kern 2.6\p@}
16423 \renewcommand*\maketitle[1][1]{%
16424     \if@titlepage
16425         \begin{titlepage}
16426             \setcounter{page}{%
16427                 #1%
16428             }%
16429             \let\footnotesize\small
16430             \let\right@footnoterule\relax
16431             \let\left@footnoterule\relax
16432             \let\textwidth\footnoterule\relax
16433             \let\footnote\thanks
16434             \let\LTRfootnote\LTRthanks
16435             \let\RTLfootnote\RTLthanks
16436             \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16437             \let\@oldmakefnmark\@makefnmark
16438             \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16439             \ifx\@extratitle\@empty \else
16440                 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16441                 \thispagestyle{empty}%
16442             \fi
16443             \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16444             \ifx\@titlehead\@empty \else
16445                 \begin{minipage}[t]{\textwidth}%
16446                     \@titlehead
16447                 \end{minipage}\par
16448             \fi
16449             \null\vfill

```



```

16450 \begin{center}
16451 \ifx\@subject\@empty \else
16452   {\subject@font \@subject \par}%
16453   \vskip 3em
16454 \fi
16455 {\titlefont\huge \@title\par}%
16456 \vskip 1em
16457 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16458 \vskip 2em
16459 {\Large \lineskip 0.75em
16460   \begin{tabular}[t]{c}
16461     \@author
16462   \end{tabular}\par
16463   }%
16464   \vskip 1.5em
16465   {\Large \@date \par}%
16466   \vskip \z@ \@plus3fill
16467   {\Large \@publishers \par}%
16468   \vskip 3em
16469 \end{center}\par
16470 \@thanks
16471 \vfill\null
16472 \if@twoside\next@tpage
16473   \begin{minipage}[t]{\textwidth}
16474     \uppertitleback
16475   \end{minipage}\par
16476   \vfill
16477   \begin{minipage}[b]{\textwidth}
16478     \lowertitleback
16479   \end{minipage}
16480 \fi
16481 \ifx\@dedication\@empty \else
16482   \next@tpage\null\vfill
16483   {\centering \Large \@dedication \par}%
16484   \vskip \z@ \@plus3fill
16485   \if@twoside \next@tpage\cleardoubleemptypage \fi
16486 \fi
16487 \end{titlepage}
16488 \else
16489 \par
16490 \@tempcnta=%
16491 #1%
16492 \relax\ifnum\@tempcnta=1\else
16493   \ClassWarning{\KOMAClassName}{%
16494     Optional argument of \string\maketitle\space ignored
16495     at\MessageBreak
16496     notitlepage-mode%
16497   }%
16498 \fi
16499 \begingroup

```



```

16500 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16501 \let\@oldmakefnmark\@makefnmark
16502 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
16503 \if@twocolumn
16504 \ifnum \col@number=\@ne
16505 \@maketitle
16506 \else
16507 \twocolumn[\@maketitle]%
16508 \fi
16509 \else
16510 \newpage
16511 \global\@topnum\z@
16512 \@maketitle
16513 \fi
16514 \thispagestyle{\titlepagestyle}\@thanks
16515 \endgroup
16516 \fi
16517 \setcounter{footnote}{0}%
16518 \let\thanks\relax
16519 \let\LTRthanks\relax
16520 \let\RTLthanks\relax
16521 \let\maketitle\relax
16522 \let\@maketitle\relax
16523 \global\let\@thanks\@empty
16524 \global\let\@author\@empty
16525 \global\let\@date\@empty
16526 \global\let\@title\@empty
16527 \global\let\@subtitle\@empty
16528 \global\let\@extratitle\@empty
16529 \global\let\@titlehead\@empty
16530 \global\let\@subject\@empty
16531 \global\let\@publishers\@empty
16532 \global\let\@uppertitleback\@empty
16533 \global\let\@lowertitleback\@empty
16534 \global\let\@dedication\@empty
16535 \global\let\author\relax
16536 \global\let\title\relax
16537 \global\let\extratitle\relax
16538 \global\let\titlehead\relax
16539 \global\let\subject\relax
16540 \global\let\publishers\relax
16541 \global\let\uppertitleback\relax
16542 \global\let\lowertitleback\relax
16543 \global\let\dedication\relax
16544 \global\let\date\relax
16545 \global\let\and\relax
16546 }%
16547 \renewcommand*{\@maketitle}{%
16548 \clearpage
16549 \let\footnote\thanks

```



```

16550 \let\LTRfootnote\LTRthanks
16551 \let\RTLfootnote\RTLthanks
16552 \ifx\@extratitle\@empty \else
16553   \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16554 \fi
16555 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16556 \ifx\@titlehead\@empty \else
16557   \begin{minipage}[t]{\textwidth}
16558     \@titlehead
16559   \end{minipage}\par
16560 \fi
16561 \null
16562 \vskip 2em%
16563 \begin{center}%
16564   \ifx\@subject\@empty \else
16565     {\subject@font \@subject \par}
16566     \vskip 1.5em
16567   \fi
16568   {\titlefont\huge \@title \par}%
16569   \vskip .5em
16570   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16571   \vskip 1em
16572   {\Large
16573     \lineskip .5em%
16574     \begin{tabular}[t]{c}
16575       \@author
16576     \end{tabular}\par
16577   }%
16578   \vskip 1em%
16579   {\Large \@date \par}%
16580   \vskip \z@ \@plus 1em
16581   {\Large \@publishers \par}
16582   \ifx\@dedication\@empty \else
16583     \vskip 2em
16584     {\Large \@dedication \par}
16585   \fi
16586 \end{center}%
16587 \par
16588 \vskip 2em
16589 }%
16590 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16591 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16592 \renewcommand*\thesection{%
16593   \ifnum \scr@compatibility>\@nameuse{scr@v02.97d}\relax
16594   \if@mainmatter\thechapter\@SepMark\fi
16595   \else
16596   \thechapter\@SepMark%
16597   \fi
16598   \@arabic\c@section
16599 }

```



```

16600 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
16601 \renewcommand*{\thesubsubsection}{%
16602   \thesubsection\@SepMark\@arabic\c@subsubsection
16603 }
16604 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16605 \renewcommand*{\thesubparagraph}{%
16606   \theparagraph\@SepMark\@arabic\c@subparagraph
16607 }
16608 \renewcommand*\thefigure{%
16609   \ifnum \scr@compatibility>\@nameuse{scr@v02.97d}\relax
16610   \if@mainmatter\thechapter\@SepMark\fi
16611   \else
16612     \thechapter\@SepMark%
16613   \fi
16614   \@arabic\c@figure
16615 }
16616 \renewcommand*\thetable{%
16617   \ifnum \scr@compatibility>\@nameuse{scr@v02.97d}\relax
16618   \if@mainmatter\thechapter\@SepMark\fi
16619   \else
16620     \thechapter\@SepMark%
16621   \fi
16622   \@arabic\c@table
16623 }
16624 \renewcommand*\theequation{%
16625   \ifnum \scr@compatibility>\@nameuse{scr@v02.97d}\relax
16626   \if@mainmatter\thechapter\@SepMark\fi
16627   \else
16628     \thechapter\@SepMark%
16629   \fi
16630   \@arabic\c@equation
16631 }
16632 \renewenvironment{thebibliography}[1]{%
16633   \if@bib@break@
16634     \bib@beginhook
16635   \else
16636     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16637       \setchapterpreamble{\bibpreamble}%
16638     \fi\fi
16639     \bib@heading
16640     \bib@beginhook
16641     \bib@before@hook
16642   \fi
16643   \renewcommand{\BreakBibliography}[1]{%
16644     \@bib@break
16645     \end{thebibliography}%
16646     \begingroup ##1\endgroup
16647     \begin{thebibliography}{#1}
16648   }%
16649   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi

```



```

16650 \list{%
16651   \@biblabel{\@arabic\c@enumiv}%
16652 }{%
16653   \settowidth\labelwidth{\@biblabel{#1}}%
16654   \leftmargin\labelwidth
16655   \advance\leftmargin\labelsep
16656   \@openbib@code
16657   \if@bib@break@
16658     \edef\@tempa{%
16659       \noexpand\usecounter{enumiv}%
16660       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16661     }\@tempa
16662     \no@bib@break
16663   \else
16664     \usecounter{enumiv}%
16665   \fi
16666   \let\p@enumiv\@empty
16667   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16668 }%
16669 \sloppy\clubpenalty4000 \widowpenalty4000
16670 \sfcode\`.\@m
16671 }{%
16672   \if@bib@break@
16673     \def\@noitemerr{%
16674       \@latex@warning{%
16675         \string\BreakBibliography\space at begin of `thebibliography'
16676         environment\MessageBreak
16677         or following \string\BreakBibliography}}%
16678     }%
16679   \else
16680     \def\@noitemerr{%
16681       \@latex@warning{%
16682         Empty `thebibliography' environment or
16683         \string\BreakBibliography\MessageBreak
16684         before end of `thebibliography' environment}}%
16685     }%
16686   \fi
16687 \endlist
16688 \if@bib@break@
16689 \else
16690   \bib@after@hook
16691   \let\bib@before@hook\@empty
16692   \let\bib@after@hook\@empty
16693 \fi
16694 \bib@endhook
16695 }
16696 \renewcommand*\left@footnoterule{%
16697   \kern-3\p@
16698   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16699   \hrule\@width.4\columnwidth

```



```

16700 \kern 2.6\p@}
16701 \renewcommand*{\right@footnoterule}{%
16702 \kern-3\p@
16703 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16704 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16705 \kern2.6\p@}
16706 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
16707 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
16708 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
16709 \renewcommand\marginline[1]{%
16710 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16711 }
16712 \renewcommand{\@makecaption}[3]{%
16713 \cap@margin
16714 \ifonelinecaptions
16715 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16716 \let\scr@tmp@footnotetext=\@footnotetext
16717 \let\@footnotetext=\@gobble
16718 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16719 \let\@LTRfootnotetext=\@gobble
16720 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16721 \let\@RTLfootnotetext=\@gobble
16722 \sbox\@tempboxa{%
16723 {\capfont{\strut\ignorespaces
16724 #1{\caplabelfont{#2\captionformat}}}%
16725 #3\unskip\strut}}%
16726 }%
16727 \let\@footnotetext=\scr@tmp@footnotetext
16728 \let\scr@tmp@footnotetext=\undefined
16729 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16730 \let\scr@tmp@LTRfootnotetext=\undefined
16731 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16732 \let\scr@tmp@RTLfootnotetext=\undefined
16733 \setcounter{footnote}{\@tempcntb}%
16734 \setcounter{mpfootnote}{\@tempcnta}%
16735 \else
16736 \sbox\@tempboxa{\hspace*{2\cap@width}}%
16737 \fi
16738 \begingroup%
16739 \setlength{\@tempdima}{\cap@width}%
16740 \ifdim \wd\@tempboxa >\@tempdima
16741 \hb@xt@\hsize{%
16742 \setbox\@tempboxa\vbox{\hsize=\cap@width
16743 \ifdofullc@p
16744 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16745 #1{\caplabelfont{#2\captionformat}}}}}%
16746 {\#3\unskip\strut\par}}}%
16747 \else%
16748 \ifdim\cap@indent<\z@
16749 {\capfont{\strut\ignorespaces

```




```

16750         #1{{\caplabelfont{#2\captionformat\par}}}%
16751         \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
16752     \else%
16753         \if@capbreak
16754             {\capfont{\strut\ignorespaces
16755                 #1{{\caplabelfont{#2\captionformat\par}}}%
16756                 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16757         \else
16758             {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
16759                 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16760                     {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
16761         \fi
16762     \fi
16763 \fi
16764 }%
16765 \setlength{\@tempdima}{\ht\@tempboxa}%
16766 \addtolength{\@tempdima}{\dp\@tempboxa}%
16767 \addtolength{\@tempdima}{-\ht\strutbox}%
16768 \ht\@tempboxa\ht\strutbox
16769 \dp\@tempboxa\@tempdima
16770 \strut\cap@left
16771 \box\@tempboxa
16772 \cap@right\strut
16773 }%
16774 \else
16775     \global \@minipagefalse
16776     \sbox\@tempboxa{%
16777         {\capfont{\scr@smashdp{\strut\ignorespaces
16778             #1{{\caplabelfont{#2\captionformat}}}}%
16779             #3}}%
16780     }%
16781     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\c
16782 \fi
16783 \endgroup
16784 }
16785 \renewcommand{\@makecaption}[2]{%
16786     \if@captionabove
16787         \vskip\belowcaptionskip
16788     \else
16789         \vskip\abovecaptionskip
16790     \fi
16791     \@makecaption\@firstofone{#1}{#2}%
16792     \if@captionabove
16793         \vskip\abovecaptionskip
16794     \else
16795         \vskip\belowcaptionskip
16796     \fi
16797 }
16798 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16799     \@ifpackageloaded{caption2}{\@komalongtablefalse

```



```

16800     \scr@caption@before@longtable@warning{caption2}%
16801   }{}%
16802   \if@komalongtable
16803     \renewcommand{\LT@makecaption}[3]{%
16804       \noalign{%
16805         \if@captionabove
16806           \vskip\belowcaptionskip
16807         \else
16808           \vskip\abovecaptionskip
16809         \fi
16810       }%
16811       \LT@mcol\LT@cols c{%
16812         \hbox to\z@{\hss\parbox[t]{linewidth{%
16813           \@makecaption{#1}{#2}{#3}%
16814         }\endgraf
16815         \if@captionabove
16816           \vskip\abovecaptionskip
16817         \else
16818           \vskip\belowcaptionskip
16819         \fi
16820       }%
16821       \hss
16822     }%
16823   }%
16824 }%
16825 \renewcommand*\scr@LT@array{}{}%
16826 \let\scr@LT@array=\LT@array
16827 \renewcommand*\LT@array{}{}%
16828 \let\scr@caption=\LT@caption
16829 \def\captionabove{\noalign{\global\@captionabovetrue}%
16830   \scr@caption}%
16831 \def\captionbelow{\noalign{\global\@captionabovefalse}%
16832   \scr@caption}%
16833 \if@tablecaptionabove
16834   \let\LT@caption=\captionabove
16835 \else
16836   \let\LT@caption=\captionbelow
16837 \fi
16838 \scr@LT@array
16839 }%
16840 \ClassInfo{\KOMAClassName}{%
16841   longtable captions redefined%
16842 }%
16843 \fi
16844 }
16845
16846 \CloneTOCEntryStyle{tocline}{part}
16847 \TOCEntryStyleStartInitCode{part}{%
16848   \expandafter\renewcommand%
16849   \csname scr@tso@#1@linefill\endcsname{\hfill}%

```



```

16850 \expandafter\renewcommand%
16851 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
16852 \expandafter\renewcommand%
16853 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16854 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
16855 \expandafter\renewcommand\expandafter*%
16856 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
16857 }
16858
16859 \CloneTOCEntryStyle{tocline}{chapter}
16860 \TOCEntryStyleStartInitCode{chapter}{%
16861 \expandafter\renewcommand%
16862 \csname scr@tso@#1@linefill\endcsname{%
16863 \ifchapterentrywithdots
16864 \TOCLineLeaderFill\relax
16865 \else
16866 \hfill
16867 \fi
16868 }%
16869 \expandafter\renewcommand%
16870 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
16871 \expandafter\renewcommand%
16872 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16873 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
16874 \expandafter\renewcommand\expandafter*%
16875 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
16876 }
16877
16878 \CloneTOCEntryStyle{tocline}{section}
16879 \TOCEntryStyleStartInitCode{section}{%
16880 \expandafter\renewcommand%
16881 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
16882 }
16883
16884 \CloneTOCEntryStyle{section}{default}
16885
16886 \DeclareSectionCommand[%
16887 style=part,%
16888 level=\m@ne,%
16889 pagestyle=plain,%
16890 tocstyle=part,%
16891 toplevel=\m@ne,%
16892 tocindent=\z@,%
16893 tocnumwidth=2em%
16894 ]{part}
16895 \DeclareSectionCommand[%
16896 style=chapter,%
16897 level=\z@,%
16898 pagestyle=plain,%
16899 tocstyle=chapter,%

```



```

16900 tocindent=\z@,%
16901 tocnumwidth=1.5em%
16902 ]{chapter}
16903 \DeclareSectionCommand[%
16904 style=section,%
16905 level=1,%
16906 indent=\z@,%
16907 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
16908 afterskip=2.3ex \@plus .2ex,%
16909 tocstyle=section,%
16910 tocindent=1.5em,%
16911 tocnumwidth=2.3em%
16912 ]{section}
16913 \DeclareSectionCommand[%
16914 style=section,%
16915 level=2,%
16916 indent=\z@,%
16917 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
16918 afterskip=1.5ex \@plus .2ex,%
16919 tocstyle=section,%
16920 tocindent=3.8em,%
16921 tocnumwidth=3.2em%
16922 ]{subsection}
16923 \DeclareSectionCommand[%
16924 style=section,%
16925 level=3,%
16926 indent=\z@,%
16927 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
16928 afterskip=1.5ex \@plus .2ex,%
16929 tocstyle=section,%
16930 tocindent=7.0em,%
16931 tocnumwidth=4.1em%
16932 ]{subsubsection}
16933 \DeclareSectionCommand[%
16934 style=section,%
16935 level=4,%
16936 indent=\z@,%
16937 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
16938 afterskip=-1em,%
16939 tocstyle=section,%
16940 tocindent=10em,%
16941 tocnumwidth=5em%
16942 ]{paragraph}
16943 \DeclareSectionCommand[%
16944 style=section,%
16945 level=5,%
16946 indent=\scr@parindent,%
16947 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
16948 afterskip=-1em,%
16949 tocstyle=section,%

```



```

16950   tocindent=12em,%
16951   tocnumwidth=6em%
16952 }{subparagraph}
16953
16954

```

7.102 scrlettr-xetex-bidi.def

```

16955 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class fo
16956 \renewcommand\deffootnote[4][]{%
16957   \long\def\@makefnmark##1{%
16958     \edef\@tempa{#1}\ifx\@tempa\@empty
16959       \setpar{\@par
16960         \@tempdima = \hsize
16961         \addtolength{\@tempdima}{-#2}
16962         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16963     \else
16964       \setpar{\@par
16965         \@tempdima = \hsize
16966         \addtolength{\@tempdima}{-#1}
16967         \@tempdimb = \hsize
16968         \addtolength{\@tempdimb}{-#2}
16969         \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
16970       \fi
16971       \par
16972       \parindent #3\noindent
16973       \hbox to \z@{\hss\@makefnmark}##1}
16974   \def\@makefnmark{\hbox{#4}}
16975 }
16976 \deffootnote[1em]{1.5em}{1em}
16977   {\textsuperscript{\thefootnotemark}}
16978 \def\left@footnoterule{\kern-1\p@
16979   \hrule width 0.4\columnwidth
16980   \kern .6\p@}
16981 \def\right@footnoterule{%
16982   \kern-1\p@
16983   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16984   \kern .6\p@}
16985 \def\@datefield{\@reffalse
16986   \ifx\varyourref\@empty \else \@reftrue \fi
16987   \ifx\varyourmail\@empty \else \@reftrue \fi
16988   \ifx\varmyref\@empty \else \@reftrue \fi
16989   \ifx\varcustomer\@empty \else \@reftrue \fi
16990   \ifx\varinvoice\@empty \else \@reftrue \fi
16991   \ifx\varrefitemi\@empty \else \@reftrue \fi
16992   \ifx\varrefitemii\@empty \else \@reftrue \fi
16993   \ifx\varrefitemiii\@empty \else \@reftrue \fi
16994   \vskip -\parskip
16995   \vskip \refvskip
16996   \if@ref

```



```

16997 \ifx\varyourref\@empty \else
16998 \settowidth{\sc@temp}{\varyourref}
16999 \setbox0\hbox{\scriptsize \sf \yourrefname}
17000 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17001 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
17002 \fi
17003 \ifx\varyourmail\@empty \else
17004 \settowidth{\sc@temp}{\varyourmail}
17005 \setbox0\hbox{\scriptsize \sf \yourmailname}
17006 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17007 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
17008 \fi
17009 \ifx\varmyref\@empty \else
17010 \settowidth{\sc@temp}{\varmyref}
17011 \setbox0\hbox{\scriptsize \sf \myrefname}
17012 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17013 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
17014 \fi
17015 \ifx\varcustomer\@empty \else
17016 \settowidth{\sc@temp}{\varcustomer}
17017 \setbox0\hbox{\scriptsize \sf \customername}
17018 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17019 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
17020 \fi
17021 \ifx\varinvoice\@empty \else
17022 \settowidth{\sc@temp}{\varinvoice}
17023 \setbox0\hbox{\scriptsize \sf \invoicename}
17024 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17025 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
17026 \fi
17027 \ifx\varrefitemi\@empty \else
17028 \settowidth{\sc@temp}{\varrefitemi}
17029 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
17030 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17031 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
17032 \fi
17033 \ifx\varrefitemii\@empty \else
17034 \settowidth{\sc@temp}{\varrefitemii}
17035 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
17036 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17037 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
17038 \fi
17039 \ifx\varrefitemiii\@empty \else
17040 \settowidth{\sc@temp}{\varrefitemiii}
17041 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
17042 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17043 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
17044 \fi
17045 \ifx\@date\@empty \else
17046 \settowidth{\sc@temp}{\@date}

```



```

17047 \setbox0\hbox{\scriptsize \sf \datename}
17048 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
17049 \parbox[t]{\sc@temp}{\noindent \box0\par \@date}
17050 \fi
17051 \par
17052 \vspace{2.5\baselineskip}
17053 \else
17054 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
17055 \vspace{1.5\baselineskip}
17056 \fi}
17057 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
17058 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
17059 -\sigindent \hspace{\sigindent}%
17060 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@sk
17061 \fromsig\strut}\par
17062 \vspace{1.5\baselineskip}}

```

7.103 scrreprt-xetex-bidi.def

```

17063 \ProvidesFile{scrreprt-xetex-bidi.def}[2016/09/14 v1.0 bidi adaptations for scrreprt class fo
17064 \newcommand{\scr@saved@LTRfootnotetext}{}
17065 \newcommand{\scr@saved@RTLfootnotetext}{}
17066 \let\scr@saved@footnotetext\@footnotetext
17067 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17068 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17069 \renewcommand{\@footnotetext}[1]{%
17070 \scr@saved@footnotetext{#1}%
17071 \csname FN@mfp@prepare\endcsname
17072 }
17073 \renewcommand{\@LTRfootnotetext}[1]{%
17074 \scr@saved@LTRfootnotetext{#1}%
17075 \csname FN@mfp@prepare\endcsname
17076 }
17077 \renewcommand{\@RTLfootnotetext}[1]{%
17078 \scr@saved@RTLfootnotetext{#1}%
17079 \csname FN@mfp@prepare\endcsname
17080 }
17081 \renewcommand\deffootnote[4][1]{%
17082 \long\def\@makefntext##1{%
17083 \setlength{\@tempdimc}{#3}%
17084 \def\@tempa{#1}\ifx\@tempa\@empty
17085 \setpar{\@par
17086 \@tempdima = \hsize
17087 \addtolength{\@tempdima}{-#2}%
17088 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17089 \else
17090 \addtolength{\@tempdimc}{#2}%
17091 \addtolength{\@tempdimc}{-#1}%
17092 \setpar{\@par
17093 \@tempdima = \hsize

```



```

17094      \addtolength{\@tempdima}{-#1}%
17095      \@tempdimb = \hsize
17096      \addtolength{\@tempdimb}{-#2}%
17097      \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
17098      }%
17099      \fi
17100      \par
17101      \parindent\@tempdimc\noindent
17102      \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17103  }%
17104  \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17105 }
17106 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17107 \renewcommand*\left@footnoterule{%
17108   \normalsize\ftn@rule@test@values
17109   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17110   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17111   {\usekomafont{footnoterule}{%
17112     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17113   \kern 2.6\p@}
17114 \renewcommand*\right@footnoterule{%
17115   \normalsize\ftn@rule@test@values
17116   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17117   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17118   {\usekomafont{footnoterule}{%
17119     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17120     \kern 2.6\p@}
17121 \renewcommand*\maketitle[1][1]{%
17122   \if@titlepage
17123     \begin{titlepage}
17124       \setcounter{page}{%
17125         #1%
17126       }%
17127       \let\footnotesize\small
17128       \let\right@footnoterule\relax
17129       \let\left@footnoterule\relax
17130       \let\textwidth\footnoterule\relax
17131       \let\footnote\thanks
17132       \let\LTRfootnote\LTRthanks
17133       \let\RTLfootnote\RTLthanks
17134       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17135       \let\@oldmakefnmark\@makefnmark
17136       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
17137       \ifx\@extratitle\@empty \else
17138         \noindent\@extratitle\next@tpage\cleardoubleemptypage
17139         \thispagestyle{empty}%
17140       \fi
17141       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17142       \ifx\@titlehead\@empty \else
17143         \begin{minipage}[t]{\textwidth}%

```




```

17144     \@titlehead
17145     \end{minipage}\par
17146   \fi
17147   \null\vfill
17148   \begin{center}
17149     \ifx\@subject\@empty \else
17150       {\subject@font \@subject \par}%
17151       \vskip 3em
17152     \fi
17153     {\titlefont\huge \@title\par}%
17154     \vskip 1em
17155     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17156     \vskip 2em
17157     {\Large \lineskip 0.75em
17158       \begin{tabular}[t]{c}
17159         \@author
17160       \end{tabular}\par
17161     }%
17162     \vskip 1.5em
17163     {\Large \@date \par}%
17164     \vskip \z@ \@plus3fill
17165     {\Large \@publishers \par}%
17166     \vskip 3em
17167   \end{center}\par
17168   \@thanks
17169   \vfill\null
17170   \if@twoside\next@tpage
17171     \begin{minipage}[t]{\textwidth}
17172       \@uppertitleback
17173     \end{minipage}\par
17174     \vfill
17175     \begin{minipage}[b]{\textwidth}
17176       \@lowertitleback
17177     \end{minipage}
17178   \fi
17179   \ifx\@dedication\@empty \else
17180     \next@tpage\null\vfill
17181     {\centering \Large \@dedication \par}%
17182     \vskip \z@ \@plus3fill
17183     \if@twoside \next@tpage\cleardoubleemptypage \fi
17184   \fi
17185   \end{titlepage}
17186 \else
17187   \par
17188   \@tempcnta=%
17189   #1%
17190   \relax\ifnum\@tempcnta=1\else
17191     \ClassWarning{KOMAClassName}{%
17192       Optional argument of \string\maketitle\space ignored
17193       at\MessageBreak

```



```

17194         notitlepage-mode%
17195     }%
17196 \fi
17197 \begingroup
17198     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17199     \let\@oldmakefnmark\@makefnmark
17200     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17201     \if@twocolumn
17202         \ifnum \col@number=\@one
17203             \@maketitle
17204         \else
17205             \twocolumn[\@maketitle]%
17206         \fi
17207     \else
17208         \newpage
17209         \global\@topnum\z@
17210         \@maketitle
17211     \fi
17212     \thispagestyle{\titlepagestyle}\@thanks
17213 \endgroup
17214 \fi
17215 \setcounter{footnote}{0}%
17216 \let\thanks\relax
17217 \let\LTRthanks\relax
17218 \let\RTLthanks\relax
17219 \let\maketitle\relax
17220 \let\@maketitle\relax
17221 \global\let\@thanks\@empty
17222 \global\let\@author\@empty
17223 \global\let\@date\@empty
17224 \global\let\@title\@empty
17225 \global\let\@subtitle\@empty
17226 \global\let\@extratitle\@empty
17227 \global\let\@titlehead\@empty
17228 \global\let\@subject\@empty
17229 \global\let\@publishers\@empty
17230 \global\let\@uppertitleback\@empty
17231 \global\let\@lowertitleback\@empty
17232 \global\let\@dedication\@empty
17233 \global\let\author\relax
17234 \global\let\title\relax
17235 \global\let\extratitle\relax
17236 \global\let\titlehead\relax
17237 \global\let\subject\relax
17238 \global\let\publishers\relax
17239 \global\let\uppertitleback\relax
17240 \global\let\lowertitleback\relax
17241 \global\let\dedication\relax
17242 \global\let\date\relax
17243 \global\let\and\relax

```



```

17244 }%
17245 \renewcommand*{\@maketitle}{%
17246   \clearpage
17247   \let\footnote\thanks
17248   \let\LTRfootnote\LTRthanks
17249   \let\RTLfootnote\RTLthanks
17250   \ifx\@extratitle\@empty \else
17251     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17252   \fi
17253   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17254   \ifx\@titlehead\@empty \else
17255     \begin{minipage}[t]{\textwidth}
17256       \@titlehead
17257     \end{minipage}\par
17258   \fi
17259   \null
17260   \vskip 2em%
17261   \begin{center}%
17262     \ifx\@subject\@empty \else
17263       {\subject@font \@subject \par}
17264       \vskip 1.5em
17265     \fi
17266     {\titlefont\huge \@title \par}%
17267     \vskip .5em
17268     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17269     \vskip 1em
17270     {\Large
17271       \lineskip .5em%
17272       \begin{tabular}[t]{c}
17273         \@author
17274       \end{tabular}\par
17275     }%
17276     \vskip 1em%
17277     {\Large \@date \par}%
17278     \vskip \z@ \@plus 1em
17279     {\Large \@publishers \par}
17280     \ifx\@dedication\@empty \else
17281       \vskip 2em
17282       {\Large \@dedication \par}
17283     \fi
17284   \end{center}%
17285   \par
17286   \vskip 2em
17287 }%
17288 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17289 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17290 \renewcommand*\thesection{%
17291   \thechapter\@SepMark%
17292   \@arabic\c@section
17293 }

```



```

17294 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17295 \renewcommand*{\thesubsubsection}{%
17296   \thesubsection\@SepMark\@arabic\c@subsubsection
17297 }
17298 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17299 \renewcommand*{\thesubparagraph}{%
17300   \theparagraph\@SepMark\@arabic\c@subparagraph
17301 }
17302 \renewcommand*{\thefigure{%
17303   \thechapter\@SepMark%
17304   \@arabic\c@figure
17305 }
17306 \renewcommand*{\thetable{%
17307   \thechapter\@SepMark%
17308   \@arabic\c@table
17309 }
17310 \renewcommand*{\theequation{%
17311   \thechapter\@SepMark%
17312   \@arabic\c@equation
17313 }
17314 \renewenvironment{thebibliography}[1]{%
17315   \if@bib@break@
17316   \bib@beginhook
17317   \else
17318     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17319       \setchapterpreamble{\bibpreamble}%
17320     \fi\fi
17321     \bib@heading
17322     \bib@beginhook
17323     \bib@before@hook
17324   \fi
17325   \renewcommand{\BreakBibliography}[1]{%
17326     \@bib@break
17327     \end{thebibliography}%
17328     \begingroup ##1\endgroup
17329     \begin{thebibliography}{#1}
17330   }%
17331   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17332   \list{%
17333     \@biblabel{\@arabic\c@enumiv}%
17334   }{%
17335     \settowidth\labelwidth{\@biblabel{#1}}%
17336     \leftmargin\labelwidth
17337     \advance\leftmargin\labelsep
17338     \@openbib@code
17339     \if@bib@break@
17340       \edef\@tempa{%
17341         \noexpand\usecounter{enumiv}%
17342         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17343       }\@tempa

```



```

17344     \no@bib@break
17345     \else
17346         \usecounter{enumiv}%
17347     \fi
17348     \let\p@enumiv\@empty
17349     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17350 }%
17351 \sloppy\clubpenalty4000 \widowpenalty4000
17352 \sfcode`\.=\@m
17353 }{%
17354     \if@bib@break@
17355     \def\@noitemerr{%
17356         \@latex@warning{%
17357             \string\BreakBibliography\space at begin of `thebibliography'
17358             environment\MessageBreak
17359             or following \string\BreakBibliography}%
17360     }%
17361     \else
17362     \def\@noitemerr{%
17363         \@latex@warning{%
17364             Empty `thebibliography' environment or
17365             \string\BreakBibliography\MessageBreak
17366             before end of `thebibliography' environment}%
17367     }%
17368     \fi
17369     \endlist
17370     \if@bib@break@
17371     \else
17372         \bib@after@hook
17373         \let\bib@before@hook\@empty
17374         \let\bib@after@hook\@empty
17375     \fi
17376     \bib@endhook
17377 }
17378 \renewcommand*\left@footnoterule{%
17379     \kern-3\p@
17380     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17381     \hrule\@width.4\columnwidth
17382     \kern 2.6\p@}
17383 \renewcommand*\right@footnoterule{%
17384     \kern-3\p@
17385     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17386     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17387     \kern2.6\p@}
17388 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17389 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17390 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17391 \renewcommand\marginline[1]{%
17392     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17393 }

```



```

17394 \renewcommand{\@@makecaption}[3]{%
17395   \cap@margin
17396   \ifonelinecaptions
17397     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17398     \let\scr@tmp@footnotetext=\@footnotetext
17399     \let\@footnotetext=\@gobble
17400     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17401     \let\@LTRfootnotetext=\@gobble
17402     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17403     \let\@RTLfootnotetext=\@gobble
17404     \sbox\@tempboxa{%
17405       {\capfont{\strut\ignorespaces
17406         #1{\caplabelfont{#2\captionformat}}}%
17407         #3\unskip\strut}}%
17408     }%
17409     \let\@footnotetext=\scr@tmp@footnotetext
17410     \let\scr@tmp@footnotetext=\undefined
17411     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17412     \let\scr@tmp@LTRfootnotetext=\undefined
17413     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17414     \let\scr@tmp@RTLfootnotetext=\undefined
17415     \setcounter{footnote}{\@tempcntb}%
17416     \setcounter{mpfootnote}{\@tempcnta}%
17417   \else
17418     \sbox\@tempboxa{\hspace*{2\cap@width}}%
17419   \fi
17420   \begingroup%
17421     \setlength{\@tempdima}{\cap@width}%
17422     \ifdim \wd\@tempboxa >\@tempdima
17423       \hb@xt@\hsize{%
17424         \setbox\@tempboxa\vbox{\hsize=\cap@width
17425           \ifdofullc@p
17426             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17427               #1{\caplabelfont{#2\captionformat}}}}}%
17428             {#3\unskip\strut\par}}}%
17429       \else%
17430         \ifdim\cap@indent<\z@
17431           {\capfont{\strut\ignorespaces
17432             #1{\caplabelfont{#2\captionformat\par}}}%
17433             \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17434       \else%
17435         \if@capbreak
17436           {\capfont{\strut\ignorespaces
17437             #1{\caplabelfont{#2\captionformat\par}}}%
17438             \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17439       \else
17440         {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17441           {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17442             {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17443     \fi

```



```

17444         \fi
17445     \fi
17446     }%
17447     \setlength{\@tempdima}{\ht\@tempboxa}%
17448     \addtolength{\@tempdima}{\dp\@tempboxa}%
17449     \addtolength{\@tempdima}{-\ht\strutbox}%
17450     \ht\@tempboxa\ht\strutbox
17451     \dp\@tempboxa\@tempdima
17452     \strut\cap@left
17453     \box\@tempboxa
17454     \cap@right\strut
17455     }%
17456 \else
17457     \global \@minipagefalse
17458     \sbox\@tempboxa{%
17459         {\capfont{\scr@smashdp{\strut\ignorespaces
17460             #1{\caplabelfont{#2\captionformat}}}}}%
17461         #3}%
17462     }%
17463     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\c
17464     \fi
17465 \endgroup
17466 }
17467 \renewcommand{\@makecaption}[2]{%
17468     \if@captionabove
17469         \vskip\belowcaptionskip
17470     \else
17471         \vskip\abovecaptionskip
17472     \fi
17473     \@makecaption\@firstofone{#1}{#2}%
17474     \if@captionabove
17475         \vskip\abovecaptionskip
17476     \else
17477         \vskip\belowcaptionskip
17478     \fi
17479 }
17480 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17481     \@ifpackageloaded{caption2}{\@komalongtablefalse
17482         \scr@caption@before@longtable@warning{caption2}%
17483     }{}%
17484     \if@komalongtable
17485         \renewcommand{\LT@makecaption}[3]{%
17486             \noalign{%
17487                 \if@captionabove
17488                     \vskip\belowcaptionskip
17489                 \else
17490                     \vskip\abovecaptionskip
17491                 \fi
17492             }%
17493             \LT@mcol\LT@cols c{%

```



```

17494     \hbox to\z@{\hss\parbox[t]{\linewidth{%
17495         \@makecaption{#1}{#2}{#3}%
17496     \endgraf
17497     \if@captionabove
17498         \vskip\abovcaptionskip
17499     \else
17500         \vskip\belowcaptionskip
17501     \fi
17502     }%
17503     \hss
17504     }%
17505 }%
17506 }%
17507 \renewcommand*{\scr@LT@array}{}%
17508 \let\scr@LT@array=\LT@array
17509 \renewcommand*{\LT@array}{%
17510     \let\scr@caption=\LT@caption
17511     \def\captionabove{\noalign{\global\@captionabovetrue}%
17512         \scr@caption}%
17513     \def\captionbelow{\noalign{\global\@captionabovetrue}%
17514         \scr@caption}%
17515     \if@tablecaptionabove
17516         \let\LT@caption=\captionabove
17517     \else
17518         \let\LT@caption=\captionbelow
17519     \fi
17520     \scr@LT@array
17521 }%
17522 \ClassInfo{\KOMAClassName}{%
17523     longtable captions redefined%
17524 }%
17525 \fi
17526 }
17527
17528 \CloneTOCEntryStyle{tocline}{part}
17529 \TOCEntryStyleStartInitCode{part}{%
17530     \expandafter\renewcommand%
17531     \csname scr@tso@#1@linefill\endcsname{\hfill}%
17532     \expandafter\renewcommand%
17533     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17534     \expandafter\renewcommand%
17535     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17536         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}%
17537     \expandafter\renewcommand\expandafter*%
17538     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17539 }
17540
17541 \CloneTOCEntryStyle{tocline}{chapter}
17542 \TOCEntryStyleStartInitCode{chapter}{%
17543     \expandafter\renewcommand%

```




```

17544 \csname scr@tso@#1@linefill\endcsname{%
17545   \if@chapterentrywithdots
17546     \TOCLineLeaderFill\relax
17547   \else
17548     \hfill
17549   \fi
17550 }%
17551 \expandafter\renewcommand%
17552 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17553 \expandafter\renewcommand%
17554 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17555   \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17556 \expandafter\renewcommand\expandafter*%
17557 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17558 }
17559
17560 \CloneTOCEntryStyle{tocline}{section}
17561 \TOCEntryStyleStartInitCode{section}{%
17562   \expandafter\renewcommand%
17563   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17564 }
17565
17566 \CloneTOCEntryStyle{section}{default}
17567
17568 \DeclareSectionCommand[%
17569   style=part,%
17570   level=\m@ne,%
17571   pagestyle=plain,%
17572   tocstyle=part,%
17573   toplevel=\m@ne,%
17574   tocindent=\z@,%
17575   tocnumwidth=2em%
17576 ]{part}
17577 \DeclareSectionCommand[%
17578   style=chapter,%
17579   level=\z@,%
17580   pagestyle=plain,%
17581   tocstyle=chapter,%
17582   tocindent=\z@,%
17583   tocnumwidth=1.5em%
17584 ]{chapter}
17585 \DeclareSectionCommand[%
17586   style=section,%
17587   level=1,%
17588   indent=\z@,%
17589   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
17590   afterskip=2.3ex \@plus .2ex,%
17591   tocstyle=section,%
17592   tocindent=1.5em,%
17593   tocnumwidth=2.3em%

```



```

17594 ]{section}
17595 \DeclareSectionCommand[%
17596   style=section,%
17597   level=2,%
17598   indent=\z@,%
17599   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
17600   afterskip=1.5ex \@plus .2ex,%
17601   tocstyle=section,%
17602   tocindent=3.8em,%
17603   tocnumwidth=3.2em%
17604 ]{subsection}
17605 \DeclareSectionCommand[%
17606   style=section,%
17607   level=3,%
17608   indent=\z@,%
17609   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
17610   afterskip=1.5ex \@plus .2ex,%
17611   tocstyle=section,%
17612   tocindent=7.0em,%
17613   tocnumwidth=4.1em%
17614 ]{subsubsection}
17615 \DeclareSectionCommand[%
17616   style=section,%
17617   level=4,%
17618   indent=\z@,%
17619   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
17620   afterskip=-1em,%
17621   tocstyle=section,%
17622   tocindent=10em,%
17623   tocnumwidth=5em%
17624 ]{paragraph}
17625 \DeclareSectionCommand[%
17626   style=section,%
17627   level=5,%
17628   indent=\scr@parindent,%
17629   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
17630   afterskip=-1em,%
17631   tocstyle=section,%
17632   tocindent=12em,%
17633   tocnumwidth=6em%
17634 ]{subparagraph}
17635
17636

```

7.104 sidecap-xetex-bidi.def

```

17637 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package fo
17638 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
17639   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
17640 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}

```



```

17641 \renewcommand*\SC@justify@caption{\if@RTL%
17642 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
17643 \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

7.105 soul-xetex-bidi.def

```

17644 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
17645 \long\def\Soul@start#1{%
17646 \let\bidi@RTL@everypar\@empty
17647 \let<\Soul@lowerthan
17648 \let>\@empty
17649 \def\soulomit{\noexpand\soulomit}%
17650 \gdef\Soul@eventuallyexhyphen##1{%
17651 \let\Soul@soeventuallyskip\relax
17652 \Soul@spaceskip=\fontdimen\tw@font\@plus\fontdimen\thr@@font
17653 \@minus\fontdimen4font
17654 \Soul@ignorespacesfalse
17655 \leavevmode
17656 \Soul@preamble
17657 \Soul@lasttoken={}%
17658 \Soul@word={}%
17659 \Soul@minus\z@
17660 \Soul@comma\z@
17661 \Soul@apo\z@
17662 \Soul@grave\z@
17663 \Soul@do{#1}%
17664 \Soul@postamble
17665 }}
17666 \def\Soul@ulunderline#1{%
17667 \setbox\z@\hbox{#1}%
17668 \dimen@=\wd\z@
17669 \dimen@i=\Soul@uloverlap
17670 \advance\dimen@2\dimen@i
17671 \if@RTL
17672 \unhcopy\z@
17673 \llap{%
17674 \null
17675 \kern-\dimen@i
17676 \Soul@ulcolor{\Soul@ulleaders\hskip\dimen@}%
17677 }%
17678 \else
17679 \rlap{%
17680 \null
17681 \kern-\dimen@i
17682 \Soul@ulcolor{\Soul@ulleaders\hskip\dimen@}%
17683 }%
17684 \unhcopy\z@
17685 \fi
17686 }}
17687 \def\bidi@Soul@ulleaders{%

```



```

17688 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\re
17689 }
17690 \def\SOUL@uleverySPACE#1{%
17691     \if@RTL
17692     #1%
17693     \bidi@SOUL@ulleaders
17694     \hskip\spaceskip
17695     \else
17696     \SOUL@ulcolor{%
17697     #1%
17698     \SOUL@ulleaders
17699     \hskip\spaceskip
17700     }%
17701     \fi
17702     \null
17703 }

```

7.106 stabular-xetex-bidi.def

```

17704 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
17705 \def\@stabular{%
17706     \leavevmode \bgroup \if@RTLtab\beginR \fi
17707     \let\@acol\@tabacol
17708     \let\@classz\@tabclassz
17709     \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
17710 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
17711     \egroup \if@RTLtab\endR\fi\egroup}
17712 \expandafter \let \csname endstabular*\endcsname = \endstabular
17713 \def\@sarray[#1]#2{%
17714     \bgroup
17715     \setbox\@arstrutbox\hbox{%
17716         \vrule \@height\arraystretch\ht\strutbox
17717         \@depth\arraystretch \dp\strutbox
17718         \@width\z@}%
17719     \mkpream{#2}%
17720     \edef\@preamble{%
17721         \ialign \noexpand\@halignto
17722         \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
17723     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17724     \let\@tabularnewline\\%
17725     \let\@sharp##%
17726     \set@typeset@protect
17727     \lineskip\z@skip\baselineskip\z@skip
17728     \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
17729     \@preamble}

```

7.107 subfigure-xetex-bidi.def

```

17730 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
17731 \AtBeginDocument{%
17732     \let\p@subfigure=\thefigure

```



```

17733 \let\p@subtable=\thetable%
17734 }

```

7.108 tabs-xetex-bidi.def

```

17735 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for Xe
17736 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
17737
17738 \expandafter\let\csname endtabular*\endcsname=\endtabular
17739
17740 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
17741 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
17742 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
17743
17744 \def\@array[#1]#2{% remember global variables to allow recursion:
17745 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
17746 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
17747 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
17748 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
17749 \else \let\@tarlinesep\tablinesep \fi
17750 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
17751 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
17752 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
17753 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
17754 \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
17755 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
17756 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
17757 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
17758 \let\protect\noexpand
17759 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
17760 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
17761 \let\@startpbox\@@startpbox \let\@endpbox\@@endpbox
17762 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
17763 \bgroup \let\par\@empty
17764 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
17765 \advance\extrarulesep.5\arrayrulewidth
17766 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
17767 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
17768 \@preamble}

```

7.109 tabularx-xetex-bidi.def

```

17769 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package
17770 \def\TX@endtabularx{%
17771 \expandafter\expandafter\expandafter
17772 \TX@find@endtabularxa\csname end\TX@\endcsname
17773 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
17774 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
17775 \let\verb\TX@verb
17776 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
17777 \edef\TX@ckpt{\cl@ckpt}%

```



```

17778 \let\@elt\relax
17779 \TX@old@table\maxdimen
17780 \TX@col@width\TX@target
17781 \global\TX@cols\@ne
17782 \TX@typeout@
17783 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
17784 \TX@trial{\def\NC@rewriteX{%
17785 \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
17786 \loop
17787 \TX@arith
17788 \ifTX@
17789 \TX@trial{}%
17790 \repeat
17791 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
17792 \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
17793 \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
17794 \csname tabular*\expandafter\endcsname\expandafter\TX@target
17795 \the\toks@
17796 \csname endtabular*\endcsname}%
17797 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
17798 \ifnum0=`\fi}%
17799 \expandafter\expandafter\expandafter
17800 \TX@find@endtabularxbb
17801 \expandafter\end\expandafter{\TX@}%
17802 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
17803 }
17804
17805 \def\TX@trial#1{%
17806 \setbox\@tempboxa\hbox{%
17807 #1\relax
17808 \let\@footnotetext\TX@trial@ftn
17809 \let\@LTRfootnotetext\TX@trial@ftn
17810 \let\@RTLfootnotetext\TX@trial@ftn
17811 \let\TX@vwarn\@empty
17812 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
17813 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
17814 \def\write{\begingroup
17815 \def\let{\afterassignment\endgroup\toks@}%
17816 \afterassignment\let\count@}%
17817 \hbadness\@M
17818 \hfuzz\maxdimen
17819 \let\hbadness\@tempcnta
17820 \let\hfuzz\@tempdima
17821 \expandafter\tabular\the\toks@
17822 \endtabular}%
17823 \TX@ckpt
17824 \TX@typeout@{\@spaces
17825 \expandafter\TX@align
17826 \the\wd\@tempboxa\space\space\space\space\space\@@
17827 \expandafter\TX@align

```



```

17828 \the\TX@col@width\space\space\space\space\space\space\@@
17829 \@spaces\the\TX@cols}}
17830
17831 \long\def\TX@LTrftntext#1{%
17832 \edef\@tempa{\the\TX@ftn\noexpand\LTrfootnotetext
17833 [\the\csname c@\mpfn\endcsname]}}%
17834 \global\TX@ftn\expandafter{\@tempa{#1}}}%
17835 \long\def\TX@xLTrftntext[#1]#2{%
17836 \global\TX@ftn\expandafter{\the\TX@ftn\LTrfootnotetext[#1]{#2}}}%
17837
17838 \long\def\TX@RTLftntext#1{%
17839 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
17840 [\the\csname c@\mpfn\endcsname]}}%
17841 \global\TX@ftn\expandafter{\@tempa{#1}}}%
17842 \long\def\TX@xRTLftntext[#1]#2{%
17843 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}%

```

```

17844 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulatory package]
17845 \def\@testpach{\@chclass
17846   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
17847     \ifnum \@lastchclass=7 5 \else
17848       \ifnum \@lastchclass=8 \tw@ \else
17849         \ifnum \@lastchclass=9 \thr@@
17850           \else \z@
17851             \ifnum \@lastchclass = 10 \else
17852               \edef\@nextchar{\expandafter\string\@nextchar}%
17853               \@chnum
17854               \if \@nextchar c\z@ \else
17855                 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
17856                   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
17857                     \if \@nextchar C7 \else
17858                       \if \@nextchar L8 \else
17859                         \if \@nextchar R9 \else
17860                           \if \@nextchar J10 \else
17861                             \z@ \@chclass
17862                             \if \@nextchar |\@ne \else
17863                               \if \@nextchar !6 \else
17864                                 \if \@nextchar @7 \else
17865                                   \if \@nextchar <8 \else
17866                                     \if \@nextchar >9 \else
17867                                       10
17868                                       \@chnum
17869                                       \if \@nextchar m\thr@@\else
17870                                         \if \@nextchar p4 \else
17871                                           \if \@nextchar b5 \else
17872                                             \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
17873                                             \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

```

7.111 tc-xetex-bidi.def

```
17874 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeT
17875 \def\@cliptoboxdim#1{%
17876     \setbox#1=\hbox{%
17877         \Gin@defaultbp\WIDTH{\wd#1}%
17878         \Gin@defaultbp\DEPTH{\dp#1}%
17879         \@tempdima\ht#1%
17880         \advance\@tempdima\dp#1%
17881         \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
17882         \beginL\special{pdf:bcontent }%
17883         \special{%
17884             pdf:literal direct
17885             0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
17886         }%
17887         \special{pdf:literal direct W }%
17888         \special{pdf:literal direct n }%
17889         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
17890         \special{pdf:econtent }\endL%
17891     }%
17892 }
```

7.112 titlesec-xetex-bidi.def

```
17893 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package
17894 \renewcommand\filright{%
17895     \gdef\ttl@filleft##1{\hskip##1}%
17896     \gdef\ttl@filright##1{\hfill}%
17897     \let\\\@centercr
17898     \advance\rightskip\z@ \@plus 1fil
17899     \parfillskip\z@}
17900 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
17901     \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
17902     \setlength\leftskip{#6}%
17903     \setlength\rightskip{#7}%
17904     \interlinepenalty\@M
17905     \ttl@changeentercr
17906     \ttl@beginlongest
17907     #1{\ifhmode\ttl@hmode@error\fi
17908         \ttl@glcmds
17909         \parindent\z@
17910         \leavevmode
17911         \begingroup
17912         \ifttl@label
17913             \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
17914             \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
17915             \llap{\box\z@}%
17916         \fi
17917         #4{#8}%
17918         \kern\z@\strut\@par
17919     \endgroup}
```




```

17920      \nobreak\ttl@midlongest#5\@@par}%
17921      \ttl@endlongest}

```

7.113 titletoc-xetex-bidi.def

```

17922 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
17923 \renewcommand\filright{%
17924   \gdef\ttl@filleft##1{\hskip##1}%
17925   \gdef\ttl@filright##1{\hfill}%
17926   \let\\\@centercr
17927   \advance\rightskip\z@ \@plus 1fil
17928   \parfillskip\z@}
17929 \renewcommand\contentspush[1]{%
17930   \sbox\z@{#1}%
17931   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
17932   \aftergroup\ttl@b
17933   \leavevmode\llap{\box\z@}}
17934 \def\ttl@outnoblock#1#2#3{%
17935   \begingroup
17936   \ifnum\ttl@b>\ttl@a
17937     \nobreak
17938   \else\ifnum\ttl@b<\ttl@a
17939     \addpenalty{\@secpenalty}%
17940   \else
17941     \addpenalty{\z@}%
17942   \fi\fi
17943   \ttl@contentsstretch
17944   \nobreak
17945   \ifcase#1\relax\else\interlinepenalty\@M\fi
17946   \parindent\z@
17947   \ifx\@nil#2%
17948     \PackageError{titletoc}{Unimplemented}%
17949     {The optional argument is currently mandatory}%
17950   \else
17951     \if@RTL\setlength\rightskip{#2}\else
17952     \setlength\leftskip{#2}\fi%
17953   \fi
17954   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
17955   \let\contentsmargin\ttl@margin
17956   \def\ttl@makeline##1{##1}%
17957   #3%
17958   \addtolength{\parfillskip}{-\ttl@corr}%
17959   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
17960   \let\ttl@leaders\leaders}
17961 \renewcommand\ttl@margin[2][\z@]{%
17962   \def\ttl@corr{#1}%
17963   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
17964   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
17965   \def\@pnumwidth{#2}}
17966 \let\ttl@savel@part\l@part

```



```

17967 \def\l@part{\ttl@lselect{part}}
17968
17969 \let\ttl@savel@chapter\l@chapter
17970 \def\l@chapter{\ttl@lselect{chapter}}

```

7.114 tocbibind-xetex-bidi.def

```

17971 \ProvidesFile{tocbibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocbibind package]
17972 \if@dotocbib
17973   \ifpackageloaded{natbib}{\% natbib not loaded
17974     \renewcommand{\bibsection}{\t@cb@bchapsec}
17975     \renewenvironment{thebibliography}[1]{%
17976       \bibsection
17977       \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
17978   \renewenvironment{thebibitemlist}[1]{
17979     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
17980     \list{\@biblabel{\@arabic{c@enumiv}}}%
17981       {\settowidth\labelwidth{\@biblabel{#1}}%
17982        \leftmargin\labelwidth
17983        \advance\leftmargin\labelsep
17984        \@openbib@code
17985        \usecounter{enumiv}%
17986        \let\p@enumiv\@empty
17987        \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
17988     \sloppy
17989     \clubpenalty4000
17990     \@clubpenalty \clubpenalty
17991     \widowpenalty4000%
17992     \sfcode`\.\@m}
17993   {\def\@noitemerr
17994     {\@latex@warning{Empty `thebibliography' environment}}}%
17995   \endlist}
17996
17997   \ifpackagewith{chapterbib}{sectionbib}%
17998     {\renewcommand{\sectionbib}[2]{}}%
17999   {}
18000
18001 \fi
18002 \if@inltxdoc\else
18003   \renewenvironment{theindex}%
18004     {\if@twocolumn
18005       \@restonecolfalse
18006     \else
18007       \@restonecoltrue
18008     \fi
18009     \if@bibchapter
18010       \if@donumindex
18011         \refstepcounter{chapter}
18012         \twocolumn[\vspace*{2\topskip}%
18013           \@makechapterhead{\indexname}}}%

```



```

18014         \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
18015         \chaptermark{\indexname}
18016     \else
18017         \if@dotocind
18018             \twocolumn[\vspace*{2\topskip}%
18019                 \@makeschapterhead{\indexname}]]%
18020             \prw@mkboth{\indexname}
18021             \addcontentsline{toc}{chapter}{\indexname}
18022         \else
18023             \twocolumn[\vspace*{2\topskip}%
18024                 \@makeschapterhead{\indexname}]]%
18025             \prw@mkboth{\indexname}
18026         \fi
18027     \fi
18028 \else
18029     \if@donumindex
18030         \twocolumn[\vspace*{-1.5\topskip}%
18031             \@nameuse{\@tocextra}{\indexname}]]%
18032         \csname \@tocextra mark\endcsname{\indexname}
18033     \else
18034         \if@dotocind
18035             \twocolumn[\vspace*{-1.5\topskip}%
18036                 \toc@headstar{\@tocextra}{\indexname}]]%
18037             \prw@mkboth{\indexname}
18038             \addcontentsline{toc}{\@tocextra}{\indexname}
18039         \else
18040             \twocolumn[\vspace*{-1.5\topskip}%
18041                 \toc@headstar{\@tocextra}{\indexname}]]%
18042             \prw@mkboth{\indexname}
18043         \fi
18044     \fi
18045 \fi
18046 \thispagestyle{plain}\parindent\z@
18047 \parskip\z@ \@plus .3\p@\relax
18048 \let\item\@idxitem}
18049 {\if@restonecol\onecolumn\else\clearpage\fi}
18050 \fi

```

7.115 tocloft-xetex-bidi.def

```

18051 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package fo
18052 \let\cftdot\@SepMark
18053 \if@cfthaspart
18054 \renewcommand*{\l@part}[2]{
18055     \@cftdopartfalse
18056     \ifnum \c@tocdepth >-2\relax
18057         \if@cfthaschapter
18058             \@cftdoparttrue
18059         \fi
18060         \ifnum \c@tocdepth >\m@ne

```



```

18061     \ifcfthaschapter\else
18062     \cftdoparttrue
18063     \fi
18064   \fi
18065 \fi
18066 \ifcftdopart
18067   \ifcfthaschapter
18068     \addpenalty{-\@highpenalty}
18069   \else
18070     \addpenalty\@secpenalty
18071   \fi
18072   \addvspace{\cftbeforepartskip}
18073   \begingroup
18074     {\ifRTL\rightskip\else\leftskip\fi \cftpartindent\relax
18075     \ifRTL\leftskip\else\rightskip\fi \@tocrmarg
18076     \parfillskip -\ifRTL\leftskip\else\rightskip\fi
18077     \parindent \cftpartindent\relax\@afterindenttrue
18078     \interlinepenalty\@M
18079     \leavevmode
18080     \@tempdima \cftpartnumwidth\relax
18081     \let\@cftbsnum \cftpartpresnum
18082     \let\@cftasnum \cftpartaftersnum
18083     \let\@cftasnumb \cftpartaftersnumb
18084     \advance\ifRTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\right
18085     {\cftpartfont \cftpartpresnum #1}
18086     \cftpartfillnum{#2}}
18087   \nobreak
18088   \ifcfthaschapter
18089     \global\@nobreaktrue
18090     \everypar{\global\@nobreakfalse\everypar{}}
18091   \else
18092     \ifcompatibility
18093       \global\@nobreaktrue
18094       \everypar{\global\@nobreakfalse\everypar{}}
18095     \fi
18096   \fi
18097   \endgroup
18098 \fi}
18099 \fi
18100 \ifcfthaschapter
18101 \renewcommand*{\l@chapter}[2]{
18102   \ifnum \c@tocdepth >\m@ne
18103     \addpenalty{-\@highpenalty}
18104     \vskip \cftbeforechapskip
18105     {\ifRTL\rightskip\else\leftskip\fi \cftchapindent\relax
18106     \ifRTL\leftskip\else\rightskip\fi \@tocrmarg
18107     \parfillskip -\ifRTL\leftskip\else\rightskip\fi
18108     \parindent \cftchapindent\relax\@afterindenttrue
18109     \interlinepenalty\@M
18110     \leavevmode

```



```

18111 \tempdima \cftchapnumwidth\relax
18112 \let\@cftbsnum \cftchappresnum
18113 \let\@cftasnum \cftchapaftersnum
18114 \let\@cftasnumb \cftchapaftersnumb
18115 \advance\if@RTL\rightskip\else\leftskip\fi \tempdima \null\nobreak\hskip -\if@RTL\right
18116 {\cftchapfont #1}\nobreak
18117 \cftchapfillnum{#2}}
18118 \fi}
18119 \fi
18120 \renewcommand*{\l@section}[2]{%
18121 \ifnum \c@tocdepth >\z@
18122 \ifcftchapter
18123 \vskip \cftbeforesecskip
18124 \else
18125 \addpenalty\@secpenalty
18126 \addvspace{\cftbeforesecskip}
18127 \fi
18128 {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
18129 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18130 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18131 \parindent \cftsecindent\relax\@afterindenttrue
18132 \interlinepenalty\@M
18133 \leavevmode
18134 \tempdima \cftsecnumwidth\relax
18135 \let\@cftbsnum \cftsecpresnum
18136 \let\@cftasnum \cftsecaftersnum
18137 \let\@cftasnumb \cftsecaftersnumb
18138 \advance\if@RTL\rightskip\else\leftskip\fi \tempdima \null\nobreak\hskip -\if@RTL\right
18139 {\cftsecfont #1}\nobreak
18140 \cftsecfillnum{#2}}
18141 \fi}
18142 \renewcommand*{\l@subsection}[2]{%
18143 \ifnum \c@tocdepth >\@ne
18144 \vskip \cftbeforesubsecskip
18145 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
18146 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18147 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18148 \parindent \cftsubsecindent\relax\@afterindenttrue
18149 \interlinepenalty\@M
18150 \leavevmode
18151 \tempdima \cftsubsecnumwidth\relax
18152 \let\@cftbsnum \cftsubsecpresnum
18153 \let\@cftasnum \cftsubsecaftersnum
18154 \let\@cftasnumb \cftsubsecaftersnumb
18155 \advance\if@RTL\rightskip\else\leftskip\fi \tempdima \null\nobreak\hskip -\if@RTL\right
18156 {\cftsubsecfont #1}\nobreak
18157 \cftsubsecfillnum{#2}}
18158 \fi}
18159 \renewcommand*{\l@subsubsection}[2]{%
18160 \ifnum \c@tocdepth >\tw@

```



```

18161 \vskip \cftbeforesubsubsecskip
18162 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsubsecindent\relax
18163 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18164 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18165 \parindent \cftsubsubsecindent\relax\@afterindenttrue
18166 \interlinepenalty\@M
18167 \leavevmode
18168 \@tempdima \cftsubsubsecnumwidth\relax
18169 \let\@cftbsnum \cftsubsubsecpresnum
18170 \let\@cftasnum \cftsubsubsecaftersnum
18171 \let\@cftasnumb \cftsubsubsecaftersnumb
18172 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18173 {\cftsubsubsecfont #1}\nobreak
18174 \cftsubsubsecfillnum{#2}}
18175 \fi}
18176 \renewcommand*{\l@paragraph}[2]{%
18177 \ifnum \c@tocdepth >3\relax
18178 \vskip \cftbeforeparaskip
18179 {\if@RTL\rightrightskip\else\leftskip\fi \cftparaindent\relax
18180 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18181 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18182 \parindent \cftparaindent\relax\@afterindenttrue
18183 \interlinepenalty\@M
18184 \leavevmode
18185 \@tempdima \cftparanumwidth\relax
18186 \let\@cftbsnum \cftparapresnum
18187 \let\@cftasnum \cftparaaftersnum
18188 \let\@cftasnumb \cftparaaftersnumb
18189 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18190 {\cftparafont #1}\nobreak
18191 \cftparafillnum{#2}}
18192 \fi}
18193 \renewcommand*{\l@subparagraph}[2]{%
18194 \ifnum \c@tocdepth >4\relax
18195 \vskip \cftbeforesubparaskip
18196 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubparaindent\relax
18197 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18198 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18199 \parindent \cftsubparaindent\relax\@afterindenttrue
18200 \interlinepenalty\@M
18201 \leavevmode
18202 \@tempdima \cftsubparanumwidth\relax
18203 \let\@cftbsnum \cftsubparapresnum
18204 \let\@cftasnum \cftsubparaaftersnum
18205 \let\@cftasnumb \cftsubparaaftersnumb
18206 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18207 {\cftsubparafont #1}\nobreak
18208 \cftsubparafillnum{#2}}
18209 \fi}
18210 \renewcommand*{\l@figure}[2]{%

```



```

18211 \ifnum \c@lofdepth >\z@
18212 \vskip \cftbeforefigskip
18213 {\ifRTL\righskip\else\leftskip\fi \cftfigindent\relax
18214 \ifRTL\leftskip\else\righskip\fi \@tocrmarg
18215 \parfillskip -\ifRTL\leftskip\else\righskip\fi
18216 \parindent \cftfigindent\relax\@afterindenttrue
18217 \interlinepenalty\@M
18218 \leavevmode
18219 \@tempdima \cftfignumwidth\relax
18220 \let\@cftbsnum \cftfigpresnum
18221 \let\@cftasnum \cftfigaftersnum
18222 \let\@cftasnumb \cftfigaftersnumb
18223 \advance\ifRTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\righ
18224 {\cftfigfont #1}\nobreak
18225 \cftfigfillnum{#2}}
18226 \fi
18227 }
18228 \renewcommand*\l@table}[2]{%
18229 \ifnum\c@lotdepth >\z@
18230 \vskip \cftbeforetabskip
18231 {\ifRTL\righskip\else\leftskip\fi \cfttabindent\relax
18232 \ifRTL\leftskip\else\righskip\fi \@tocrmarg
18233 \parfillskip -\ifRTL\leftskip\else\righskip\fi
18234 \parindent \cfttabindent\relax\@afterindenttrue
18235 \interlinepenalty\@M
18236 \leavevmode
18237 \@tempdima \cfttabnumwidth\relax
18238 \let\@cftbsnum \cfttabpresnum
18239 \let\@cftasnum \cfttabaftersnum
18240 \let\@cftasnumb \cfttabaftersnumb
18241 \advance\ifRTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\righ
18242 {\cfttabfont #1}\nobreak
18243 \cfttabfillnum{#2}}
18244 \fi
18245 }
18246 \renewcommand{\@cftl@subfig}{
18247 \renewcommand*\l@subfigure}[2]{%
18248 \ifnum \c@lofdepth > \toclevel@subfigure
18249 \vskip \cftbeforesubfigskip
18250 {\ifRTL\righskip\else\leftskip\fi \cftsubfigindent\relax
18251 \ifRTL\leftskip\else\righskip\fi \@tocrmarg
18252 \parfillskip -\ifRTL\leftskip\else\righskip\fi
18253 \parindent \cftsubfigindent\relax\@afterindenttrue
18254 \interlinepenalty\@M
18255 \leavevmode
18256 \@tempdima \cftsubfignumwidth\relax
18257 \let\@cftbsnum \cftsubfigpresnum
18258 \let\@cftasnum \cftsubfigaftersnum
18259 \let\@cftasnumb \cftsubfigaftersnumb
18260 \advance\ifRTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\righ

```



```

18261      {\cftsubfigfont ##1}\nobreak
18262      \cftsubfigfillnum{##2}}
18263    \fi
18264  }
18265 }
18266 \renewcommand{\@cftl@subtab}{
18267 \renewcommand*{\l@subtable}[2]{%
18268   \ifnum \c@lotdepth > \toclevel@subtable
18269     \vskip \cftbeforesubtabskip
18270     {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
18271     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18272     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18273     \parindent \cftsubtabindent\relax\@afterindenttrue
18274     \interlinepenalty\@M
18275     \leavevmode
18276     \@tempdima \cftsubtabnumwidth\relax
18277     \let\@cftbsnum \cftsubtabpresnum
18278     \let\@cftasnum \cftsubtabaftersnum
18279     \let\@cftasnumb \cftsubtabaftersnumb
18280     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18281     {\cftsubtabfont ##1}\nobreak
18282     \cftsubtabfillnum{##2}}
18283   \fi
18284 }
18285 }
18286 \renewcommand{\newlistentry}[4][\@empty]{%
18287   \@ifundefined{c@#2}{%      check & set the counter
18288     \ifx \@empty#1\relax
18289       \newcounter{#2}
18290     \else
18291       \@ifundefined{c@#1}{\PackageWarning{tocloft}%
18292         {#1 has no counter for use as a `within'}}
18293       \newcounter{#2}}%
18294     {\newcounter{#2}[#1]%
18295     \expandafter\edef\csname the#2\endcsname{%
18296       \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
18297   \fi
18298   \setcounter{#2}{0}
18299 }
18300 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
18301
18302 \@namedef{l@#2}##1##2{%
18303   \ifnum \@nameuse{c@#3depth} > #4\relax
18304     \vskip \@nameuse{cftbefore#2skip}
18305     {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
18306     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18307     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18308     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
18309     \interlinepenalty\@M
18310     \leavevmode

```




```

18311 \tempdima \@nameuse{cft#2numwidth}\relax
18312 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
18313 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
18314 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
18315 \advance\if@RTL\rightskip\else\leftskip\fi\tempdima \null\nobreak\hskip -\if@RTL\right
18316 {\@nameuse{cft#2font}##1}\nobreak
18317 \@nameuse{cft#2fillnum}{##2}}
18318 \fi
18319 } % end of \l@#2
18320
18321 \expandafter\newlength\csname cftbefore#2skip\endcsname
18322 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
18323 \expandafter\newlength\csname cft#2indent\endcsname
18324 \expandafter\newlength\csname cft#2numwidth\endcsname
18325 \ifcase #4\relax % 0
18326 \setlength{\@nameuse{cft#2indent}}{0em}
18327 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
18328 \or % 1
18329 \setlength{\@nameuse{cft#2indent}}{1.5em}
18330 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
18331 \or % 2
18332 \setlength{\@nameuse{cft#2indent}}{3.8em}
18333 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
18334 \or % 3
18335 \setlength{\@nameuse{cft#2indent}}{7.0em}
18336 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
18337 \else % anything else
18338 \setlength{\@nameuse{cft#2indent}}{10.0em}
18339 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
18340 \fi
18341 \@namedef{cft#2font}{\normalfont}
18342 \@namedef{cft#2presnum}{\relax}
18343 \@namedef{cft#2aftersnum}{\relax}
18344 \@namedef{cft#2aftersnumb}{\relax}
18345 \@namedef{cft#2dotsep}{\cftdotsep}
18346 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
18347 \@namedef{cft#2pagefont}{\normalfont}
18348 \@namedef{cft#2afterpnum}{\relax}
18349 \@namedef{toclevel@#2}{#4}
18350 \@namedef{cft#2fillnum}##1{\relax
18351 {\@nameuse{cft#2leader}}\nobreak
18352 \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
18353 } % end \newlistentry
18354 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
18355 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
18356 \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
18357 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
18358 \textit{#1}\protect\par}}}

```



7.116 tocbasic-xetex-bidi.def

```

18359 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package
18360 \bidi@undef\scr@dte@def@l@undottedtocline
18361 \bidi@undef\scr@dte@undottedtocline@init
18362 \DeclareTOCEntryStyle{undottedtocline}{{%
18363   \DefineTOCEntryLengthOption{indent}%
18364     {scr@tso@}{@indent}{entry indent}%
18365   \DefineTOCEntryLengthOption{numwidth}%
18366     {scr@tso@}{@numwidth}{entry number width}%
18367   \@ifundefined{#1tocdepth}{%
18368     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18369       \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18370         \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18371           \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18372             \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18373               \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18374                 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
18375                   \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
18376                     \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
18377                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
18378                         \csname #1numdepth\endcsname
18379                     }%
18380                   }%
18381                 }%
18382               }%
18383             }%
18384           }%
18385         }%
18386       }%
18387     }%
18388   }{%
18389     \@ifundefined{scr@tso@#1@indent}{%
18390       \@ifundefined{scr@#1@tocindent}{%
18391         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18392           \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18393             \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18394               \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18395                 \scr@ifundefinedorrelax{1@chapter}{%
18396                   \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18397                     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18398                       \ifstr{#1}{subsubsection}{%
18399                         \@namedef{scr@tso@#1@indent}{3.8em}%
18400                       }%
18401                     \ifstr{#1}{paragraph}{%
18402                       \@namedef{scr@tso@#1@indent}{7em}%
18403                     }%
18404                   \ifstr{#1}{subparagraph}{%
18405                     \@namedef{scr@tso@#1@indent}{10em}%
18406                   }%

```



```

18407         }%
18408     }%
18409 }%
18410 }%
18411 }%
18412 }{%
18413     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18414         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18415             \ifstr{#1}{subsubsection}{%
18416                 \@namedef{scr@tso@#1@indent}{7.0em}%
18417             }{%
18418                 \ifstr{#1}{paragraph}{%
18419                     \@namedef{scr@tso@#1@indent}{10em}%
18420                 }{%
18421                     \ifstr{#1}{subparagraph}{%
18422                         \@namedef{scr@tso@#1@indent}{12em}%
18423                     }{%
18424                         }%
18425                     }%
18426                 }%
18427             }%
18428         }%
18429     }%
18430 }%
18431 }%
18432 }%
18433 }%
18434 }{%
18435     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18436 }%
18437 }{%}%
18438 \@ifundefined{scr@tso@#1@numwidth}{%
18439     \@ifundefined{scr@#1@tocnumwidth}{%
18440         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18441             \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18442                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18443                     \scr@ifundefinedorrelax{chapter}{%
18444                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18445                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18446                                 \ifstr{#1}{subsubsection}{%
18447                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
18448                                 }{%
18449                                     \ifstr{#1}{paragraph}{%
18450                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
18451                                     }{%
18452                                         \ifstr{#1}{subparagraph}{%
18453                                             \@namedef{scr@tso@#1@numwidth}{5m}%
18454                                         }{%
18455                                             }%
18456                                         }%
18457                                     }%
18458                                 }%
18459                             }%
18460                         }%
18461                     }%
18462                 }%
18463             }%
18464         }%
18465     }%
18466 }%

```



```

18457         }%
18458     }%
18459 }%
18460 }{%
18461     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18462         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
18463             \ifstr{#1}{subsubsection}{%
18464                 \@namedef{scr@tso@#1@numwidth}{3.1em}%
18465             }{%
18466                 \ifstr{#1}{paragraph}{%
18467                     \@namedef{scr@tso@#1@numwidth}{5em}%
18468                 }{%
18469                     \ifstr{#1}{subparagraph}{%
18470                         \@namedef{scr@tso@#1@numwidth}{6em}%
18471                     }{%
18472                         }%
18473                     }%
18474                 }%
18475             }%
18476         }%
18477     }%
18478 }%
18479 }%
18480 }%
18481 }{%
18482     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
18483 }%
18484 }{%
18485 }}{%
18486     \ifnum \c@tocdepth >\numexpr \@nameuse{#1@tocdepth}-\@ne\relax
18487         \ifnum \@nameuse{#1@tocdepth}<\@ne
18488             \scr@ifundefinedorrelax{chapter}{%
18489                 \addpenalty\@secpenalty
18490                 \addvspace{1.0em \@plus\p@}%
18491             }{%
18492                 \addpenalty{-\@highpenalty}%
18493                 \vskip 1.0em \@plus\p@
18494             }%
18495         \else
18496             \addpenalty\@secpenalty
18497             \addvspace{1.0em \@plus\p@}%
18498         \fi
18499         \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
18500         \begingroup
18501             \parindent \z@ \bidi@rightskip \@pnumwidth
18502             \parfillskip -\@pnumwidth
18503             \leavevmode
18504             \bfseries
18505             \advance\bidi@leftskip\@tempdima
18506             \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%

```



```

18507      \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
18508      ##1%
18509      \nobreak
18510      \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
18511      \par
18512      \penalty\@highpenalty
18513      \endgroup
18514      \fi
18515  }
18516
18517  \bidi@undef\scr@dte@def@l@largetocline
18518  \bidi@undef\scr@dte@largetocline@init
18519  \DeclareTOCEntryStyle{largetocline}[{%
18520      \DefineTOCEntryLengthOption{indent}%
18521      {scr@tso@}{\@indent}{entry indent}%
18522      \@ifundefined{#1tocdepth}{%
18523          \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18524              \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18525                  \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18526                      \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18527                          \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18528                              \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18529                                  \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
18530                                      \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
18531                                          \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
18532                                              \expandafter\let\csname #1tocdepth\expandafter\endcsname
18533                                                  \csname #1numdepth\endcsname
18534                                          }%
18535                                      }%
18536                                  }%
18537                              }%
18538                          }%
18539                      }%
18540                  }%
18541              }%
18542          }%
18543      }{}%
18544      \@ifundefined{scr@tso@#1@indent}{%
18545          \@ifundefined{scr@#1@tocindent}{%
18546              \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18547                  \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18548                      \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18549                          \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18550                              \scr@ifundefinedorrelax{l@chapter}{%
18551                                  \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18552                                      \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18553                                          \ifstr{#1}{subsubsection}{%
18554                                              \@namedef{scr@tso@#1@indent}{3.8em}%
18555                                          }{%
18556                                              \ifstr{#1}{paragraph}{%

```



```

18557             \@namedef{scr@tso@#1@indent}{7em}%
18558         }{%
18559             \ifstr{#1}{subparagraph}{%
18560                 \@namedef{scr@tso@#1@indent}{10em}%
18561             }{%
18562             }%
18563         }%
18564     }%
18565 }%
18566 }%
18567 }{%
18568     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18569     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18570     \ifstr{#1}{subsubsection}{%
18571         \@namedef{scr@tso@#1@indent}{7.0em}%
18572     }{%
18573         \ifstr{#1}{paragraph}{%
18574             \@namedef{scr@tso@#1@indent}{10em}%
18575         }{%
18576             \ifstr{#1}{subparagraph}{%
18577                 \@namedef{scr@tso@#1@indent}{12em}%
18578             }{%
18579             }%
18580         }%
18581     }%
18582 }%
18583 }%
18584 }%
18585 }%
18586 }%
18587 }%
18588 }%
18589 }{%
18590     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18591 }%
18592 }{%
18593 }]{%
18594     \ifnum \c@tocdepth > \numexpr \@nameuse{#1tocdepth} - \@ne \relax
18595     \ifnum \@nameuse{#1tocdepth} < \@ne
18596         \scr@ifundefinedorrelax{chapter}{%
18597             \addpenalty\@secpenalty
18598             \addvspace{2.25em \@plus\p@}%
18599         }{%
18600             \addpenalty{-\@highpenalty}%
18601             \addvspace{2.25em \@plus\p@}%
18602         }%
18603     \else
18604         \addpenalty\@secpenalty
18605         \addvspace{2.25em \@plus\p@}%
18606     \fi

```



```

18607 \setlength\@tempdima{3em}%
18608 \begingroup
18609 \parindent \z@ \bidi@rightskip \@pnumwidth
18610 \parfillskip -\@pnumwidth
18611 \leavevmode
18612 \large
18613 \bfseries
18614 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
18615 ##1%
18616 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
18617 \par
18618 \nobreak
18619 \ifnum 0=
18620 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
18621 \global\@nobreaktrue
18622 \everypar{\global\@nobreakfalse\everypar{}}%
18623 \fi
18624 \endgroup
18625 \fi
18626 }
18627
18628 \renewcommand*{\scr@dte@tocline}[3]{%
18629 \ifnum \@nameuse{#1@tocdepth}>\c@tocdepth
18630 \else
18631 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
18632 \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
18633 {%
18634 \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
18635 \bidi@rightskip \@tocrmarg
18636 \parfillskip -\bidi@rightskip
18637 \@nameuse{Ifscr@tso@#1@raggedpage}{%
18638 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
18639 }{}%
18640 \parindent \@nameuse{scr@tso@#1@indent}\relax
18641 \@afterindenttrue
18642 \interlinepenalty\@M
18643 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
18644 \addtolength\bidi@rightskip\@flushglue
18645 \else
18646 \def\reserved@a{\raggedright}%
18647 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
18648 \addtolength\bidi@rightskip\@flushglue
18649 \else
18650 \renewcommand\reserved@a{\raggedright}%
18651 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
18652 \addtolength\bidi@rightskip\@flushglue
18653 \fi
18654 \fi
18655 \fi
18656 \leavevmode

```



```

18657 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
18658 \@nameuse{Ifscr@tso@#1@dynnumwidth}{}%
18659 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}%
18660 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
18661 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
18662 \fi
18663 }%
18664 }{}%
18665 \advance\bidileftskip \@tempdima
18666 \null\nobreak\hskip -\bidileftskip
18667 {%
18668 \usetocbasicnumberline
18669 \let\scr@dte@numberline@box\numberline@box
18670 \def\numberline@box##1{%
18671 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
18672 \global\scr@dte@tocline@numberwidth
18673 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
18674 \ifdim \scr@dte@tocline@numberwidth
18675 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
18676 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
18677 \fi
18678 \@nameuse{Ifscr@tso@#1@dynnumwidth}{}%
18679 \ifdim \scr@dte@tocline@numberwidth
18680 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
18681 +\@nameuse{scr@tso@#1@numsep}\relax
18682 \PackageWarning{tocbasic}%
18683 }{%
18684 number width of #1 toc entries should be
18685 increased!\MessageBreak
18686 Currently used number width =
18687 \the\wd\scr@dte@tocline@numbox,\MessageBreak
18688 Wanted number separation
18689 \space\space\space =
18690 \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
18691 Reserved number width \space\space\space\space\space\space =
18692 \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
18693 }%
18694 \fi
18695 }%
18696 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
18697 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
18698 {\parfillskip\@flushglue\par}\nobreak\hskip-\bidileftskip
18699 }{}%
18700 }%
18701 \@nameuse{scr@tso@#1@entryformat}{%
18702 #2%
18703 \nobreak
18704 {%
18705 \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
18706 \nobreak

```




```

18707         \@nameuse{scr@tso@#1@pagenumberbox}{%
18708             \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
18709         }%
18710     }%
18711     \@par
18712 }%
18713 }%
18714 }%
18715 \tocbasic@SetPenaltyByTOCLevel{#1}%
18716 \fi
18717 }
18718
18719 \bidi@undef\scr@dte@def@l@tocline
18720 \bidi@undef\scr@dte@tocline@init
18721 \DeclareTOCEntryStyle{tocline}{[%
18722     \DefineTOCEntryLengthOption{beforeskip}%
18723     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
18724     \DefineTOCEntryIfOption{breakafternumber}%
18725     {scr@tso@}{@breakafternumber}{line break after number flag}%
18726     \DefineTOCEntryIfOption{dynnumwidth}%
18727     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
18728     \DefineTOCEntryCommandOption{entryformat}%
18729     {scr@tso@}{@entryformat}[1]{entry format}%
18730     \DefineTOCEntryCommandOption{entrynumberformat}%
18731     {scr@tso@}{@numberformat}[1]{entry number format}%
18732     \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
18733     {scr@tso@}{@linefill}{filling between text and page number}%
18734     \DefineTOCEntryLengthOption{numsep}%
18735     {scr@tso@}{@numsep}{entry number separation}%
18736     \DefineTOCEntryCommandOption{onstarthigherlevel}%
18737     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
18738     \DefineTOCEntryCommandOption{onstartlowerlevel}%
18739     {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
18740     \DefineTOCEntryCommandOption{onstartsamelevel}%
18741     {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
18742     \DefineTOCEntryCommandOption{pagenumberbox}%
18743     {scr@tso@}{@pagenumberbox}[1]{page number box}%
18744     \DefineTOCEntryCommandOption{pagenumberformat}%
18745     {scr@tso@}{@pagenumberformat}[1]{page number format}%
18746     \DefineTOCEntryOption{raggedentrytext}[true]{%
18747         \FamilySetBool{KOMAarg}{raggedentrytext}{@tempswa}{##1}%
18748         \ifx\FamilyKeyState\FamilyKeyStateProcessed
18749             \if@tempswa
18750                 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
18751                 \raggedright
18752             \else
18753                 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
18754                 \relax
18755             \fi
18756         \fi

```



```

18757 }%
18758 \DefineTOCEntryIfOption{raggedpagenumber}%
18759 {scr@tso@}{@raggedpage}{page number ragged flag}%
18760 \DefineTOCEntryLengthOption{indent}%
18761 {scr@tso@}{@indent}{entry indent}%
18762 \DefineTOCEntryLengthOption{numwidth}%
18763 {scr@tso@}{@numwidth}{entry number width}%
18764 \scr@ifundefinedorrelax{#1tocdepth}{%
18765 \ifstrstart{#1}{sub}{%
18766 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{}%
18767 \expandafter\edef\csname #1tocdepth\endcsname{%
18768 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
18769 }%
18770 }%
18771 }{}%
18772 }{}%
18773 \@ifundefined{#1tocdepth}{%
18774 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18775 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18776 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18777 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18778 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18779 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18780 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
18781 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
18782 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
18783 \expandafter\let\csname #1tocdepth\expandafter\endcsname
18784 \csname #1numdepth\endcsname
18785 }%
18786 }%
18787 }%
18788 }%
18789 }%
18790 }%
18791 }%
18792 }%
18793 }%
18794 }{}%
18795 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
18796 \@ifundefined{scr@#1@tocindent}{%
18797 \ifstrstart{#1}{sub}{%
18798 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
18799 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
18800 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
18801 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
18802 \relax
18803 }%
18804 }%
18805 }{}%
18806 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%

```



```

18807         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
18808             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
18809             \relax
18810         }%
18811     }{%
18812         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
18813             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
18814             +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
18815             \relax
18816         }%
18817     }%
18818 }%
18819 }{}%
18820 }{%
18821     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18822 }%
18823 }{}%
18824 \@ifundefined{scr@tso@#1@indent}{%
18825     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18826     \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18827     \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18828     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18829     \scr@ifundefinedorrelax{1}{chapter}{%
18830     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18831     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18832     \ifstr{#1}{subsubsection}{%
18833     \@namedef{scr@tso@#1@indent}{3.8em}%
18834     }{%
18835     \ifstr{#1}{paragraph}{%
18836     \@namedef{scr@tso@#1@indent}{7em}%
18837     }{%
18838     \ifstr{#1}{subparagraph}{%
18839     \@namedef{scr@tso@#1@indent}{10em}%
18840     }{%
18841     }%
18842     }%
18843     }%
18844     }%
18845     }%
18846     }{%
18847     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18848     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18849     \ifstr{#1}{subsubsection}{%
18850     \@namedef{scr@tso@#1@indent}{7.0em}%
18851     }{%
18852     \ifstr{#1}{paragraph}{%
18853     \@namedef{scr@tso@#1@indent}{10em}%
18854     }{%
18855     \ifstr{#1}{subparagraph}{%
18856     \@namedef{scr@tso@#1@indent}{12em}%

```



```

18857             }{
18858             }%
18859         }%
18860     }%
18861 }%
18862 }%
18863 }%
18864 }%
18865 }%
18866 }%
18867 }%
18868 }{}%
18869 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
18870     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
18871         \ifstrstart{#1}{sub}{%
18872             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}{%
18873                 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
18874                     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
18875                         +.9em%
18876                 }%
18877             }%
18878         }%
18879     }{}%
18880 }{
18881     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
18882 }%
18883 }{}%
18884 \@ifundefined{scr@tso@#1@numwidth}{%
18885     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18886     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18887     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18888     \scr@ifundefinedorrelax{chapter}{%
18889         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18890         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18891         \ifstr{#1}{subsubsection}{%
18892             \@namedef{scr@tso@#1@numwidth}{3.2em}%
18893         }{
18894             \ifstr{#1}{paragraph}{%
18895                 \@namedef{scr@tso@#1@numwidth}{4.1em}%
18896             }{
18897                 \ifstr{#1}{subparagraph}{%
18898                     \@namedef{scr@tso@#1@numwidth}{5m}%
18899                 }{
18900                     }%
18901                 }%
18902             }%
18903         }%
18904     }{
18905     }{
18906     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%

```



```

18907         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
18908         \ifstr{#1}{subsubsection}{%
18909         \@namedef{scr@tso@#1@numwidth}{3.1em}%
18910         }{%
18911         \ifstr{#1}{paragraph}{%
18912         \@namedef{scr@tso@#1@numwidth}{5em}%
18913         }{%
18914         \ifstr{#1}{subparagraph}{%
18915         \@namedef{scr@tso@#1@numwidth}{6em}%
18916         }{%
18917         }%
18918         }%
18919         }%
18920         }%
18921         }%
18922         }%
18923         }%
18924         }%
18925         }%
18926     }{}%
18927     \expandafter\renewcommand%
18928     \csname scr@tso@#1@LastTOCLLevelWasLower\endcsname{\LastTOCLLevelWasLower}%
18929     \expandafter\renewcommand%
18930     \csname scr@tso@#1@LastTOCLLevelWasSame\endcsname{\LastTOCLLevelWasSame}%
18931     \expandafter\renewcommand%
18932     \csname scr@tso@#1@LastTOCLLevelWasHigher\endcsname{\LastTOCLLevelWasHigher}%
18933     \@ifundefined{scr@tso@#1@beforeskip}{%
18934     \ifstr{#1}{part}{%
18935     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
18936     }{%
18937     \ifstr{#1}{chapter}{%
18938     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
18939     }{%
18940     \ifstr{#1}{section}{%
18941     \scr@ifundefinedorrelax{l@chapter}{%
18942     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
18943     }{}%
18944     }{}%
18945     }%
18946     }%
18947     \expandafter\renewcommand\expandafter*%
18948     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
18949     }{}%
18950     \@ifundefined{scr@dte@#1@maxnumwidth}{%
18951     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
18952     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
18953     }{}%
18954     \renewcommand*{\scr@dte@donumwidth}{}%
18955     \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
18956     \expandafter\renewcommand\expandafter*%

```



```

18957 \csname scr@tso@#1@numsep\endcsname{.4em}%
18958 \expandafter\renewcommand%
18959 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
18960 \ifstr{#1}{part}{%
18961   \expandafter\renewcommand%
18962   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
18963 }{%
18964   \ifstr{#1}{chapter}{%
18965     \expandafter\renewcommand%
18966     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
18967   }{%
18968     \scr@ifundefinedorrelax{1@chapter}{%
18969       \ifstr{#1}{section}{%
18970         \expandafter\renewcommand%
18971         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
18972       }{}%
18973     }{}%
18974     \expandafter\renewcommand%
18975     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
18976   }%
18977 }%
18978 \expandafter\renewcommand
18979 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
18980 \@ifundefined{scr@tso@#1@linefill}{%
18981   \ifstr{#1}{part}{%
18982     \@namedef{scr@tso@#1@linefill}{\hfill}%
18983   }{%
18984     \ifstr{#1}{chapter}{%
18985       \@namedef{scr@tso@#1@linefill}{\hfill}%
18986     }{%
18987       \scr@ifundefinedorrelax{1@chapter}{%
18988         \ifstr{#1}{section}{%
18989           \@namedef{scr@tso@#1@linefill}{\hfill}%
18990         }{}
18991       }{}
18992       \expandafter\renewcommand%
18993       \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18994     }%
18995   }%
18996 }{}%
18997 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
18998 \ifstr{#1}{part}{%
18999   \expandafter\renewcommand%
19000   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
19001 }{%
19002   \expandafter\renewcommand%
19003   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19004     {\normalfont\normalcolor ##1}}%
19005 }%
19006 \expandafter\renewcommand%

```



```

19007 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
19008   \hb@xt@{\pnumwidth{\hfil ##1}}{%
19009   \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
19010 }]{%
19011   \scr@dte@tocline{#1}{##1}{##2}%
19012 }
19013

```

7.117 tocstyle-xetex-bidi.def

```

19014 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
19015 \renewcommand*{\tocstyle@dottedtocline}[5]{%
19016   \let\numberline\tocstyle@numberline
19017   \ifnum #1>\c@tocdepth \else
19018     \if@tocstyle@penalties
19019       \begingroup
19020         \@tempcnta 20010
19021         \advance \@tempcnta by -#1
19022         \ifnum \@tempcnta>\lastpenalty
19023           \aftergroup\penalty\aftergroup\@lowpenalty
19024         \fi
19025       \endgroup
19026     \fi
19027     \edef\tocstyledepth{#1}%
19028     \tocstyle@activate@features
19029     \ifx\tocstyle@feature@entryvskip\relax
19030       \vskip \z@ \@plus.2\p@
19031     \else
19032       \addvspace{\tocstyle@feature@entryvskip}%
19033     \fi
19034     {%
19035       \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
19036       \tocstyle@feature@raggedhook
19037       \@tempdima #3\relax
19038       \@tempdimb #2\relax
19039       \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19040       \ifnum #1>\z@\relax
19041         \@tempcnta #1\relax \advance\@tempcnta \m@ne
19042         \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19043           \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19044             \@tempdimb
19045             \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19046             \advance\@tempdimb
19047             \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19048           \fi
19049         \fi
19050       \fi
19051       \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19052       \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
19053         \ifdim \@tempdimb>

```



```

19054     \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
19055     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19056       @#1\endcsname{\the\@tempdimb}%
19057   \fi
19058 \else
19059   \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19060     @#1\endcsname{\the\@tempdimb}%
19061 \fi
19062 \iftocstyle@autolength
19063   \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19064     \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19065     \relax
19066   \fi
19067   \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19068     \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19069     \relax
19070   \fi
19071   \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19072   \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19073 \else
19074   \@tempdimb #2\relax
19075   \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19076 \fi
19077 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
19078   \ifdim \@tempdima>
19079     \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
19080     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19081       @\endcsname{\the\@tempdima}%
19082   \fi
19083 \else
19084   \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19085     @\endcsname{\the\@tempdima}%
19086 \fi
19087 \ifcase\tocstyle@indentstyle\relax\else
19088   \@tempdimb \z@
19089   \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19090     \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19091     \relax
19092   \fi
19093   \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19094   \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19095 \fi
19096 \advance\parindent \@tempdimb\@afterindenttrue
19097 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
19098 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19099 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19100 \ifx\tocstyle@feature@parfillskip\relax\else
19101   \advance\parfillskip \tocstyle@feature@parfillskip\relax
19102 \fi
19103 \interlinepenalty\@M

```




```

19104 \leavevmode
19105 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
19106 \null\nobreak
19107 \iftocstyle@indentnotnumbered\else
19108 \hskip -\if@RTL\rightskip\else\leftskip\fi
19109 \fi
19110 \tocstyle@feature@entryhook
19111 {#4}\nobreak
19112 \ifx\tocstyle@feature@leaders\relax
19113 \leaders\hbox{$\m@th
19114 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
19115 \mkern \@dotsep mu$}\hfill
19116 \else
19117 \tocstyle@feature@leaders
19118 \fi
19119 \nobreak
19120 \ifx\tocstyle@feature@pagenumberbox\relax
19121 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
19122 \else
19123 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
19124 \fi
19125 \par
19126 }%
19127 \if@tocstyle@penalties
19128 \bgroup
19129 \@tempcnta 20009
19130 \advance\@tempcnta by -#1
19131 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
19132 \reserved@a
19133 \fi
19134 \fi}
19135 \renewcommand*{\tocstyle@numberline}[1]{%
19136 \beginngroup
19137 \ifx\tocstyle@feature@spaceafternumber\relax
19138 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
19139 \else
19140 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
19141 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
19142 \fi
19143 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
19144 \ifdim \@tempdima >
19145 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
19146 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19147 @\tocstyledepth\endcsname{\the\@tempdima}%
19148 \fi
19149 \else
19150 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19151 @\tocstyledepth\endcsname{\the\@tempdima}%
19152 \fi
19153 \endgroup

```



```

19154 \iftocstyle@indentnotnumbered
19155 \hskip -\if@RTL\rightskip\else\leftskip\fi
19156 \fi
19157 \ifcase \tocstyle@indentstyle
19158 \hb@xt@{\tempdima{\tocstyle@numberline{#1}\hfil}}%
19159 \or
19160 \hb@xt@{\tempdima{\tocstyle@numberline{#1}\hfil}}%
19161 \else
19162 \ifx\tocstyle@feature@spaceafternumber\relax
19163 \hbox{\tocstyle@numberline{#1}\enskip}%
19164 \else
19165 \hbox{\tocstyle@numberline{#1}\hskip
19166 \tocstyle@feature@spaceafternumber\relax}%
19167 \fi
19168 \fi
19169 }
19170 \AtBeginDocument{%
19171 \ifcsname l@part\endcsname
19172 \ifcsname l@chapter\endcsname
19173 \setbox\@tempboxa\vbox{\hsize\maxdimen
19174 \l@part{\tocstyle@l@define{part}{-1}}{}}%
19175 \else
19176 \setbox\@tempboxa\vbox{\hsize\maxdimen
19177 \l@part{\tocstyle@l@define{part}{0}}{}}%
19178 \fi
19179 \fi
19180 \ifcsname l@chapter\endcsname
19181 \setbox\@tempboxa\vbox{\hsize\maxdimen
19182 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
19183 \fi
19184 \ifcsname l@section\endcsname
19185 \setbox\@tempboxa\vbox{\hsize\maxdimen
19186 \l@section{\tocstyle@l@define{section}{1}}{}}%
19187 \fi
19188 \ifcsname l@subsection\endcsname
19189 \setbox\@tempboxa\vbox{\hsize\maxdimen
19190 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
19191 \fi
19192 \ifcsname l@subsubsection\endcsname
19193 \setbox\@tempboxa\vbox{\hsize\maxdimen
19194 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
19195 \fi
19196 \ifcsname l@paragraph\endcsname
19197 \setbox\@tempboxa\vbox{\hsize\maxdimen
19198 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
19199 \fi
19200 \ifcsname l@subparagraph\endcsname
19201 \setbox\@tempboxa\vbox{\hsize\maxdimen
19202 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
19203 \fi

```



```

19204 \ifcsname l@table\endcsname
19205   \setbox\@tempboxa\vbox{\hsize\maxdimen
19206     \l@table{\tocstyle@l@define{table}{1}}{}}%
19207 \fi
19208 \ifcsname l@figure\endcsname
19209   \setbox\@tempboxa\vbox{\hsize\maxdimen
19210     \l@figure{\tocstyle@l@define{figure}{1}}{}}%
19211 \fi
19212 \def\@tempa#1#2#3#4#5{%
19213   \ifnum #1>\c@tocdepth \else
19214     \vskip \z@ \@plus.2\p@
19215     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@toctrm
19216       \parindent #2\relax\@afterindenttrue
19217       \interlinepenalty\@M
19218       \leavevmode
19219       \@tempdima #3\relax
19220       \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rig
19221       {#4}\nobreak
19222       \leaders\hbox{$\m@th
19223         \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
19224         mu$}\hfill
19225       \nobreak
19226       \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
19227   \par}%
19228 \fi}%
19229 \ifx\@dottedtocline\@tempa\else
19230   \tocstyle@macrochangewarning\@dottedtocline
19231 \fi
19232 \let\tocstyle@saved@dottedtocline\@dottedtocline
19233 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
19234 \ifx\numberline\@tempa\else
19235   \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
19236 \fi
19237 \ifx\numberline\@tempa\else
19238   \tocstyle@macrochangewarning\numberline
19239 \fi
19240 \let\tocstyle@saved@numberline\numberline
19241 }
19242 \renewcommand*{\tocstyle@l@define}[2]{%
19243   \advance\if@RTL\righskip\else\leftskip\fi-\@tempdima
19244   \edef\@tempa{%
19245     \noexpand\global\noexpand\let
19246     \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
19247     \expandafter\noexpand\csname l@#1\endcsname
19248     \noexpand\gdef
19249     \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
19250       \noexpand\@dottedtocline{#2}{\the\if@RTL\righskip\else\leftskip\fi}{\the\@tempdima}}%
19251     \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@#1{%
19252       \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
19253       \expandafter\noexpand\csname tocstyle@l@#1\endcsname

```



```

19254 }%
19255 }%
19256 \PackageInfo{tocstyle}{prepare \expandafter\string
19257 \csname l@#1\endcsname\space for redefinition}%
19258 \@tempa
19259 }

```

7.118 todonotes-xetex-bidi.def

```

19260 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes packag
19261 \newif\if@bidi@todonotes@textdirection@RTL
19262 \newif\if@bidi@todonotes@figposition@right
19263 \newcommand{\@bidi@todonotes@align}{}%
19264 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
19265 \newcommand{\@bidi@todonotes@textdirection}{}%
19266 \define@choicekey{todonotes}{textdirection}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right,l
19267 \ifcase\bidi@todonotes@tempb\relax
19268 \@bidi@todonotes@textdirection@RTLtrue
19269 \let\@bidi@todonotes@textdirection\RL
19270 \or
19271 \@bidi@todonotes@textdirection@RTLfalse
19272 \let\@bidi@todonotes@textdirection\LR
19273 \fi}
19274 \define@choicekey{todonotes}{figposition}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right,l
19275 \ifcase\bidi@todonotes@tempb\relax
19276 \@bidi@todonotes@figposition@righttrue
19277 \or
19278 \@bidi@todonotes@figposition@rightfalse
19279 \fi}
19280 \if@todonotes@disabled%
19281 \else % \if@todonotes@disabled
19282 \renewcommand{\@todonotes@drawInlineNote}{%
19283 \if@todonotes@dviStyle%
19284 {\par\noindent\begin{tikzpicture}[remember picture]%
19285 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
19286 \if@todonotes@authorgiven%
19287 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19288 \else%
19289 {\noindent \@todonotes@sizecommand \@todonotes@text}%
19290 \fi
19291 {\par\noindent\begin{tikzpicture}[remember picture]%
19292 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
19293 \else%
19294 {\par\noindent\begin{tikzpicture}[remember picture]%
19295 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19296 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@al
19297 \if@todonotes@authorgiven%
19298 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19299 \else%
19300 {\noindent \@todonotes@sizecommand \@todonotes@text}%

```



```

19301             \fi};%
19302             \end{tikzpicture}\par}%
19303     \fi}%
19304 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
19305 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
19306     \node [coordinate] (inText) {};%
19307 \end{tikzpicture}%
19308 \marginpar[{} Draw note in left margin
19309     \@todonotes@drawMarginNote%
19310     \ifRTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
19311 }]{% Draw note in right margin
19312     \@todonotes@drawMarginNote%
19313     \ifRTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
19314 }%
19315 }%
19316 \renewcommand{\@todonotes@drawMarginNote}{%
19317 \if@todonotes@dviStyle%
19318     \begin{tikzpicture}[remember picture]%
19319         \draw node[notestyle] {};%
19320     \end{tikzpicture}\\%
19321     \begin{minipage}{\@todonotes@textwidth}%
19322     \if@todonotes@authorgiven%
19323         \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
19324     \else%
19325         \@todonotes@sizecommand \@todonotes@text%
19326     \fi%
19327     \end{minipage}\\%
19328     \begin{tikzpicture}[remember picture]%
19329         \draw node[notestyle] (inNote) {};%
19330     \end{tikzpicture}%
19331 \else%
19332     \let\originalHbadness\hbadness%
19333     \hbadness 100000%
19334     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
19335         \if@bidi@todonotes@textdirectionRTL\setRTL\fi%
19336         \node(X){\vphantom{X}};%
19337         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes
19338             {\@todonotes@text};%
19339         \if@todonotes@authorgiven%
19340             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todon
19341                 {\@todonotes@sizecommand\@todonotes@author};%
19342             \node(Y)[below=of X]{};%
19343             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todon
19344                 {\@todonotes@text};%
19345         \else%
19346             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todon
19347                 {\@todonotes@text};%
19348         \fi%
19349     \end{tikzpicture}%
19350     \hbadness \originalHbadness%

```



```

19351 \fi}%
19352 \renewcommand{\missingfigure}[2][]{%
19353 \setkeys{todonotes}{#1}%
19354 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
19355 \par
19356 \noindent
19357 \begin{tikzpicture}
19358 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
19359 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
19360 \if@bidi@todonotes@figposition@right%
19361 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
19362 \fi%
19363 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
19364 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
19365 \if@bidi@todonotes@figposition@right%
19366 \end{scope}
19367 \begin{scope}[xshift=-3.8cm]
19368 \fi%
19369 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19370 \draw (2, -0.3) node[right, text
19371 width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
19372 \if@bidi@todonotes@figposition@right%
19373 \end{scope}
19374 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
19375 \fi%
19376 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes
19377 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes
19378 \if@bidi@todonotes@figposition@right%
19379 \end{scope}
19380 \fi%
19381 \end{tikzpicture}}\hfill
19382 }% Ending \missingfigure command
19383 \fi % Ending \@todonotes@ifdisabled
19384 \presetkeys%
19385 {todonotes}%
19386 {align=left,%
19387 textdirection=lefttoright,%
19388 figposition=left}{}%

```

7.119 wrapfig-xetex-bidi.def

```

19389 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package fo
19390 \let\WF@everypar\@everypar
19391 \def\WF@putfigmaybe{%
19392 \ifinner
19393 \vskip-\parskip \global\WF@floatfalse
19394 \let\pagetotal\maxdimen % kludge flag for "not top of page"
19395 \else % outer page
19396 \@tempdima\pagedepth % save page depth
19397 {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back u

```



```

19398 \penalty\interlinepenalty % update pg. parameters
19399 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
19400 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
19401     \global\WF@floatfalse
19402     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
19403 \else
19404     \ifdim\WF@size>\@tempdimb
19405         \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
19406         \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
19407         \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
19408         \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
19409         \advance\dimen@.5\baselineskip
19410         \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
19411             \global\WF@floatfalse \pagebreak
19412         \fi
19413     \else % \WF@info{Fits in \the\@tempdimb;}%
19414         \global\WF@floatfalse
19415     \fi\fi
19416     \vskip\@tempdima\relax % (return erased page depth)
19417 \fi
19418 \noindent
19419 \ifWF@float
19420     \WF@fltmes
19421 \else % putting here;
19422     \WF@info{Put \WF@wfname here;}%
19423     {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
19424     \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
19425     \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
19426     \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
19427     \@tempdima\wd\WF@box \@tempdimb\WF@ovh
19428     \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
19429     \@tempdimb\hsize \advance\@tempdimb-\@tempdima
19430     \xdef\WF@adjlw{\the\@tempdima}%
19431     \ifnum `l=\WF@place % fig on left
19432         \if@RTL%
19433             \kern\@tempdimb \kern\columnsep
19434             \def\@tempa{\hss}% position to left of the gap
19435             \else%
19436             \hss % figure overlaps space to the left
19437             \def\@tempa{\kern\columnsep}% position to left of the gap
19438             \fi%
19439     \else % fig on right
19440         \if@RTL%
19441             \hss
19442             \@tempdima\z@
19443             \def\@tempa{\kern\columnsep}
19444             \else%
19445             \@tempdima\z@ % no left indentation
19446             \kern\@tempdimb \kern\columnsep
19447             \def\@tempa{\hss}% figure overlaps space to the right

```



```

19448 \fi%
19449 \fi
19450 \ifdim\@tempdimb<\hsize
19451 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
19452 \xdef\WF@adjtlm{\the\@tempdima}%
19453 \else
19454 \xdef\WF@wrapil{\z@ \the\hsize}%
19455 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
19456 \fi
19457 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
19458 \global\advance\WF@size-\intextsep
19459 \else % \WF@info{Putting \WF@wfname in middle of page}%
19460 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
19461 \fi \dp\WF@box\z@ \box\WF@box \@tempa
19462 }% end \hbox to Opt
19463 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
19464 \fi}

```

7.120 xcolor-xetex-bidi.def

```

19465 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for
19466 \long\def\color@b@x#1#2#3%
19467 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
19468 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
19469 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
19470 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
19471 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
19472 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
19473 \DeclareRobustCommand\color
19474 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]}
19475 \def\@undeclaredcolor[#1]#2%
19476 {\begingroup
19477 \let\@@cls\@empty
19478 \XC@getmodclr12{#1}{#2}{}%
19479 {\ifblendcolors
19480 \ifx\colorblend\@empty\else
19481 \edef\@@mix{\expandafter\@gobble\colorblend}\@tempswafalse
19482 \XC@coremodel\@mod\@@clr\xcolor@{}-{} \@mod\@@clr
19483 \fi
19484 \fi
19485 \ifconvertcolorsU
19486 \edef\@@tmp{\XC@tgt@mod{\@mod}}}%
19487 \convertcolorspec\@mod\@@clr\@@tmp\@@clr \let\@mod\@@tmp
19488 \fi
19489 \ifmaskcolors
19490 \convertcolorspec\@mod\@@clr\XC@mmod\@@clr
19491 \let\@mod\XC@mmod
19492 \XC@inflate\@mod\XC@mclr\@@clr\@@tmp
19493 \expandafter\XC@mul\@@tmp,\@@clr
19494 \fi

```




```

19495 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
19496 \expandafter\endgroup\@tmp}}
19497 \def\@declaredcolor#1%
19498 {\XC@edef\XC@tmp{#1}\XC@tstfalse
19499 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
19500 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
19501 \ifconvertcolorsU\XC@tsttrue\fi
19502 \fi
19503 \ifXC@tst
19504 \expandafter\XC@declaredcolor\else
19505 \expandafter\XC@declaredcolor\fi}
19506 \def\XC@undeclaredcolor#1#2%
19507 {\@ifundefinedmodel{#1}%
19508 {\c@lor@error{model `#1'}}%
19509 {\@nameuse{color@#1}\current@color{#2}%
19510 \edef\XC@current@color{\noexpand\xcolor@}{\current@color}{#1}{#2}}%
19511 \XC@display}\ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
19512 \def\XC@declaredcolor
19513 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
19514 \edef\current@color{\XC@current@color}%
19515 \XC@display}\ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
19516 \DeclareRobustCommand\bidicolor
19517 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
19518 \def\@bidiundeclaredcolor[#1]#2%
19519 {\begingroup
19520 \let\@cls\@empty
19521 \XC@getmodclr12{#1}{#2}{}%
19522 {\ifblendcolors
19523 \ifx\colorblend\@empty\else
19524 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
19525 \XC@coremodel\@mod\@clr\xcolor@}{\}@mod\@clr
19526 \fi
19527 \fi
19528 \ifconvertcolorsU
19529 \edef\@tmp{\XC@tgt@mod{\@mod}}%
19530 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
19531 \fi
19532 \ifmaskcolors
19533 \convertcolorspec\@mod\@clr\XC@mmod\@clr
19534 \let\@mod\XC@mmod
19535 \XC@inflate\@mod\XC@mclr\@clr\@tmp
19536 \expandafter\XC@mul\@tmp,\@clr
19537 \fi
19538 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
19539 \expandafter\endgroup\@tmp}}
19540 \def\XC@bidiundeclaredcolor#1#2%
19541 {\@ifundefinedmodel{#1}%
19542 {\c@lor@error{model `#1'}}%
19543 {\@nameuse{color@#1}\current@color{#2}%
19544 \edef\XC@current@color{\noexpand\xcolor@}{\current@color}{#1}{#2}}%

```



```

19545 \XC@display}}
19546 \def\@bidideclaredcolor#1%
19547 {\XC@edef\XC@tmp{#1}\XC@tstfalse
19548 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
19549 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
19550 \ifconvertcolorsU\XC@tsttrue\fi
19551 \fi
19552 \ifXC@tst
19553 \expandafter\XC@bidideclaredcolor\else
19554 \expandafter\XC@bidideclaredcolor\fi}
19555 \def\XC@bidideclaredcolor
19556 {\XC@split\XC@tmp
19557 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
19558 \expandafter\endgroup\@tmp}
19559 \def\XC@bidideclaredcolor
19560 {\XC@let\Nc\XC@current@color{\string\color\XC@tmp}%
19561 \edef\current@color{\XC@current@color}%
19562 \XC@display}
19563 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
19564 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
19565 \def\color@fb@x#1#2#3#4%
19566 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
19567 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
19568 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.121 latex-xetex-bidi.def

```

19569 \ProvidesFile{latex-xetex-bidi.def}[2017/05/06 v1.2.9 bidi adaptations for `latex.ltx' for X
19570 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
19571 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
19572 \TeXXeTOn
19573 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox
19574 \let\bidi@o@everypar=\everypar
19575 \newtoks\bidi@n@everypar
19576 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
19577 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
19578 \let\everypar=\bidi@n@everypar
19579 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
19580 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
19581 \protected\def\hboxR{\hbox\bgroup
19582 \everyhbox{%
19583 \aftergroup\egroup
19584 \everyhbox{}}%
19585 \beginR
19586 \@hboxRconstructtrue
19587 \bgroup
19588 \aftergroup\endR
19589 \aftergroup\egroup
19590 }\hbox}
19591 \protected\def\hboxL{\hbox\bgroup

```



```

19592 \everyhbox{%
19593 \aftergroup\egroup
19594 \everyhbox{}}%
19595 \beginL
19596 \@hboxRconstructfalse
19597 \bgroup
19598 \aftergroup\endL
19599 \aftergroup\egroup
19600 }\hbox}
19601 \protected\def\vboxR{\vbox\bgroup
19602 \everyvbox{%
19603 \aftergroup\egroup
19604 \everyvbox{}}%
19605 \@RTLtrue
19606 \@RTLtabtrue
19607 \bgroup
19608 \aftergroup\egroup
19609 }\vbox}
19610 \protected\def\vboxL{\vbox\bgroup
19611 \everyvbox{%
19612 \aftergroup\egroup
19613 \everyvbox{}}%
19614 \@RTLfalse
19615 \@RTLtabfalse
19616 \bgroup
19617 \aftergroup\egroup
19618 }\vbox}
19619 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
19620 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
19621 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
19622 \def\endLTR{\par}
19623 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
19624 \def\endRTL{\par}
19625 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue}
19626 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}
19627 \let\unsetRTL=\setLTR
19628 \let\unsetLTR=\setRTL
19629 \let\LR=\LRE
19630 \let\RL=\RLE
19631 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
19632 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
19633 \let\@ensure@RL=\@ensure@RTL
19634 \let\@ensure@LR=\@ensure@LTR
19635 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
19636 \let\@ensure@maindir=\@ensure@dir
19637 \def\@RTL{RTL}
19638 \def\@LTR{LTR}
19639 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
19640 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
19641 \let\@TeX\TeX

```



```

19642 \def\TeX{\@ensure@LTR{\@TeX}}
19643 \let\@LaTeX\LaTeX
19644 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
19645 \let\@LaTeXe\LaTeXe
19646 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
19647 \long\def\bidireflect@box#1{%
19648   \leavevmode
19649   \setbox\z@\hbox{#{#1}}%
19650   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
19651   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
19652 }
19653 \bidinewrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
19654   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
19655 \bidinewrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
19656   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \LaTeX}}$}}
19657 \let\setRL=\setRTL
19658 \let\setLR=\setLTR
19659 \let\unsetRL=\setLTR
19660 \def\biditabular@RTLcases{\let\@halignto\@empty\@biditabular@RTLcases}
19661 \ifpackageloaded{array}{%
19662 \def\@biditabular@RTLcases{\@RTLtabtrue%
19663   \leavevmode
19664   \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
19665   \let\dollarend\end\group
19666   \@tabarray}
19667 \def\endbiditabular@RTLcases{\endarray \right\rbrace$\egroup}
19668 }{%
19669 \def\@biditabular@RTLcases{\@RTLtabtrue%
19670   \leavevmode \hbox \bgroup
19671   $\left.\let\@acol\@tabacol
19672   \let\@classz\@tabclassz
19673   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
19674
19675 \def\endbiditabular@RTLcases{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
19676   \egroup\right\rbrace $\egroup}}
19677 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
19678   \ialign{##\hfil$&\quad{##}\hfil\crrc#1\crrc}}\,,\right\}}
19679 \renewenvironment{RTLcases}{%
19680   \bidimatrix@check\RTLcases\env@RTLcases
19681 }{%
19682   \endbiditabular@RTLcases%
19683 }
19684 \def\env@RTLcases{%
19685   \let\@ifnextchar\bidinew@ifnextchar
19686   \def\arraystretch{1.2}%
19687   \biditabular@RTLcases{@{}r@{\quad}r@{}}%
19688 }
19689 \def\SepMark#1{\gdef\@SepMark{#1}}
19690 \SepMark{.}
19691 \def\@thmcountersep{\@SepMark}

```



```

19692 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
19693 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
19694 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
19695 \def\list#1#2{%
19696   \ifnum \@listdepth >5\relax
19697     \@toodeep
19698   \else
19699     \global\advance\@listdepth\@ne
19700   \fi
19701   \rightmargin\z@
19702   \listparindent\z@
19703   \itemindent\z@
19704   \csname @list\romannumeral\the\@listdepth\endcsname
19705   \def\@itemlabel{#1}%
19706   \let\makelabel\@mklab
19707   \@nmbrrlistfalse
19708   #2\relax
19709   \@trivlist
19710   \parskip\parsep
19711   \parindent\listparindent
19712   \advance\linewidth -\rightmargin
19713   \advance\linewidth -\leftmargin
19714   \if@bidi@list@minipage@parbox
19715     \if@RTL
19716       \advance\@totalleftmargin \leftmargin
19717     \else
19718       \advance\@totalleftmargin \rightmargin
19719     \fi
19720   \else
19721     \if@hboxRconstruct
19722       \if@bidi@list@minipage@parbox@not@nob
19723       \if@RTL
19724         \advance\@totalleftmargin \rightmargin
19725       \else
19726         \advance\@totalleftmargin \leftmargin
19727       \fi
19728     \else
19729       \if@RTL
19730         \advance\@totalleftmargin \leftmargin
19731       \else
19732         \advance\@totalleftmargin \rightmargin
19733       \fi\fi
19734     \else
19735       \if@RTL
19736         \advance\@totalleftmargin \rightmargin
19737       \else
19738         \advance\@totalleftmargin \leftmargin
19739       \fi\fi\fi
19740     \parshape \@ne \@totalleftmargin \linewidth
19741     \ignorespaces}

```



```

19742 \long\def\@iiiparbox#1#2[#3]#4#5{%
19743   \leavevmode
19744   \@pboxswfalse
19745   \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
19746   \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
19747   \setlength\@tempdima{#4}%
19748   \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@@par}%
19749   \ifx\relax#2\else
19750     \setlength\@tempdimb{#2}%
19751     \edef\@parboxto{to\the\@tempdimb}%
19752     \fi
19753     \if#1b\vbox
19754     \else\if #1t\top
19755     \else\ifmmode\center
19756     \else\@pboxswtrue $\vcenter
19757     \fi\fi\fi
19758     \@parboxto{\let\hss\vss\let\unhbox\unvbox
19759       \csname bm@#3\endcsname}%
19760     \if@pboxsw \m@th$\fi
19761   \@end@tempboxa}
19762 \def\bidi@lrbox#1{%
19763   \edef\reserved@a{%
19764     \endgroup
19765     \setbox#1\hbox{%
19766       \begingroup\aftergroup}%
19767       \def\noexpand\@currentvir{\@currentvir}%
19768       \def\noexpand\@currentvline{\@currentvline}%
19769   \reserved@a
19770   \@endpefalse
19771   \color@begingroup
19772   \ignorespaces}
19773 \def\endbidi@lrbox{\unskip\color@endgroup}
19774 \newenvironment{LTRitems}
19775   {\par\@RTLfalse\@RTLtabfalse
19776   \if@bidi@list@minipage@parbox
19777     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
19778     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
19779     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
19780     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
19781     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
19782     \ignorespaces}{\vskip\z@}
19783 \newenvironment{RTLitems}
19784   {\par\@RTLtrue\@RTLtabtrue
19785   \if@bidi@list@minipage@parbox
19786     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
19787     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
19788     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
19789     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
19790     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
19791     \ignorespaces}{\vskip\z@}

```



```

19792 \newenvironment{LTRbibitems}
19793     {\par\@RTLfalse\@RTLtabfalse
19794      \if@bidi@list@minipage@parbox
19795      \parshape \@One \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
19796      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
19797      \parshape \@One \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
19798      \parshape \@One \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
19799      \else \parshape \@One \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\
19800      \ignorespaces}\z@}
19801 \newenvironment{RTLbibitems}
19802     {\par\@RTLtrue\@RTLtabtrue
19803      \if@bidi@list@minipage@parbox
19804      \parshape \@One \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
19805      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
19806      \parshape \@One \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
19807      \parshape \@One \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
19808      \else \parshape \@One \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\
19809      \ignorespaces}\z@}
19810 \def\raggedright{%
19811     \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
19812     \leftskip\z@skip
19813     \parindent\z@\parfillskip\z@skip}
19814 \let\bidi@orig@raggedleft\raggedleft
19815 \let\bidi@orig@raggedright\raggedright
19816 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@hboxRcon
19817 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@hboxRcon
19818 \newcommand\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
19819 \newcommand\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
19820 \def\centerline#1{%
19821 \if@RTL\@@line{\hss\beginR#1\endR\hss}
19822 \else\@@line{\hss#1\hss}\fi}
19823 \def\leftline#1{%
19824 \if@RTL\@@line{\beginR#1\endR\hss}
19825 \else\@@line{#1\hss}\fi}
19826 \def\rightline#1{%
19827 \if@RTL\@@line{\hss\beginR#1\endR}
19828 \else\@@line{\hss#1}\fi}
19829 \let\bidi@orig@leftline\leftline
19830 \let\bidi@orig@rightline\rightline
19831 \def\leftline#1{\ifhmode\if@RTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\i
19832 \def\rightline#1{\ifhmode\if@RTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\
19833 \def\bidirlap#1{\hb@xt@z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
19834 \def\bidillap#1{\hb@xt@z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
19835 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
19836     \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
19837 \def\narrower{%
19838     \advance\if@RTL\rightskip\else\leftskip\fi\parindent
19839     \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
19840 \def\underline#1{%
19841     \relax

```



```

19842 \ifmmode\@@underline{#1}%
19843 \else
19844 \ifRTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
19845 \else
19846 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
19847 \ifcompatibility
19848 \let\undertext=\underline
19849 \fi
19850 \def\@tabular{%
19851 \leavevmode \hbox \bgroup \ifRTLT\beginR \fi
19852 $\let\@acol\@tabacol
19853 \let\@classz\@tabclassz
19854 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
19855 \def\endtabular{\crr\egroup\ifRTLT\endR\egroup\endR\egroup\fi
19856 \egroup $\ifRTLT\endR\fi\egroup}
19857 \expandafter \let \csname endtabular*\endcsname = \endtabular
19858 \def\@array[#1]#2{%
19859 \if #1t\top \else \if #1b\bottom \else \vcenter \fi\fi
19860 \bgroup
19861 \setbox\@arstrutbox\hbox{%
19862 \vrule \@height\arraystretch\ht\strutbox
19863 \@depth\arraystretch \dp\strutbox
19864 \@width\z@}%
19865 \@mkpream{#2}%
19866 \edef\@preamble{%
19867 \ialign \noexpand\@halignto
19868 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
19869 \let\startpbox\@startpbox \let\endpbox\@endpbox
19870 \let\tabularnewline\\
19871 \let\par\@empty
19872 \let\@sharp##%
19873 \set@typeset@protect
19874 \lineskip\z@skip\baselineskip\z@skip
19875 \ifhmode \@preamerr\z@ \@@par\fi
19876 \ifRTLT\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \bottom \fi\bgroup\fi
19877 \@preamble}
19878 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
19879 \let\@classiv\@arrayclassiv
19880 \let\\\@arraycr\let\@halignto\@empty\@RTLTfalse\@tabarray}
19881 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
19882 \ifnum \@lastchclass=3 5 \else
19883 \z@ \if #1c\@cnum \z@ \else
19884 \if \ifRTLT\@#1r\else#1l\fi\@cnum \@ne \else
19885 \if \ifRTLT\@#1l\else#1r\fi\@cnum \tw@ \else
19886 \@chclass \if #1\@ne \else
19887 \if #1\@tw@ \else
19888 \if #1p3 \else \z@ \@preamerr 0\fi
19889 \fi \fi \fi \fi \fi \fi
19890 \fi}
19891 \def\bm@l{\ifRTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}

```




```

19892 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
19893 \def\bm@t{\unhbox\@tempboxa\hss}
19894 \def\bm@b{\hss\unhbox\@tempboxa}
19895 \def\@dottedtocline#1#2#3#4#5{%
19896   \ifnum #1>\c@tocdepth \else
19897     \vskip \z@ \@plus.2\p@
19898     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmar
19899     \parindent #2\relax\@afterindenttrue
19900     \interlinepenalty\@M
19901     \leavevmode
19902     \@tempdima #3\relax
19903     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19904     {#4}\nobreak
19905     \leaders\hbox{$\m@th
19906       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
19907       mu$}\hfill
19908     \nobreak
19909     \hb@xt@\@pnumwidth{{\hfil\normalfont \normalcolor #5}}}%
19910     \par}%
19911   \fi}
19912
19913 \newcount\ bidi@column@check@number
19914
19915 \def\ bidi@column@status#1{\gdef\ bidi@current@column@status{#1}}
19916
19917 \def\ bidi@set@column@status#1#2{%
19918   \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
19919
19920 \if@twocolumn
19921 \newcommand\DetectColumn[3][1]{%
19922   \ifx\ bidi@firstcolumn@status@write\relax
19923     \PackageError{bidi}%
19924       {Option 'DetectColumn' not selected}%
19925       {\string\DetectColumn\space
19926        requires the use of the 'DetectColumn'
19927        option on the package}%
19928   \fi
19929   \global\advance\ bidi@column@check@number\@ne
19930   \edef\ bidi@column@type{\expandafter\ifx
19931     \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
19932     0\else
19933     \csname bidi@column-\the\ bidi@column@check@number\endcsname
19934     \fi}%
19935   \ifcase \ bidi@column@type\relax
19936     \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
19937   \or
19938     #2% % 1 First column
19939   \or
19940     #3% % 2 Second (Last column)
19941   \else

```



```

19942 \ERROR
19943 \fi
19944 \edef\next{\write\@auxout
19945   {\string\@set@column@status{\@column-\the\@column@check@number}%
19946   {\@column@type}}}%
19947 \next
19948 }
19949
19950 \AtEndDocument{\def\@set@column@status#1#2{%
19951   \ifnum #2=\@current@column@status\else
19952     \@tempwattrue
19953     \fi}%
19954 }
19955 \fi
19956
19957 \def\RTL@outputdblcol{%
19958   \if@firstcolumn
19959     \global\@firstcolumnfalse
19960     \global\setbox\@leftcolumn\copy\@outputbox
19961     \splitmaxdepth\maxdimen
19962     \vbadness\maxdimen
19963     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19964     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19965     \toks@{\expandafter{\topmark}}%
19966     \xdef\@firstcoltopmark{\the\toks@}%
19967     \toks@{\expandafter{\splitfirstmark}}%
19968     \xdef\@firstcolfirstmark{\the\toks@}%
19969     \ifx\@firstcolfirstmark\@empty
19970       \global\let\@setmarks\relax
19971     \else
19972       \gdef\@setmarks{%
19973         \let\firstmark\@firstcolfirstmark
19974         \let\topmark\@firstcoltopmark}%
19975     \fi
19976   \else
19977     \global\@firstcolumntrue
19978     \setbox\@outputbox\vbox{%
19979       \hb@xt@\textwidth{%
19980         \hskip \columnwidth
19981         \hfil
19982         {\normalcolor\vrule \@width\columnseprule}%
19983         \hfil
19984         \hb@xt@\columnwidth{%
19985           \bidi@firstcolumn@status@write%
19986           \box\@leftcolumn \hss}%
19987         \hskip -\textwidth
19988         \hb@xt@\columnwidth{%
19989           \bidi@lastcolumn@status@write%
19990           \box\@outputbox \hss}%
19991         \hskip \columnsep

```



```

19992     \hskip \columnwidth } }%
19993 \@combinedblfloats
19994     \@setmarks
19995     \@outputpage
19996     \begingroup
19997         \@dblfloatplacement
19998         \@startdblcolumn
19999         \@whilesw\if@fcolmade \fi{\@outputpage
20000             \@startdblcolumn}%
20001     \endgroup
20002 \fi}%
20003
20004 \def\LTR@outputdblcol{%
20005     \if@firstcolumn
20006         \global\@firstcolumnfalse
20007         \global\setbox\@leftcolumn\copy\@outputbox
20008         \splitmaxdepth\maxdimen
20009         \vbadness\maxdimen
20010         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20011         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20012         \toks@\expandafter{\topmark}%
20013         \xdef\@firstcoltopmark{\the\toks@}%
20014         \toks@\expandafter{\splitfirstmark}%
20015         \xdef\@firstcolfirstmark{\the\toks@}%
20016         \ifx\@firstcolfirstmark\@empty
20017             \global\let\@setmarks\relax
20018         \else
20019             \gdef\@setmarks{%
20020                 \let\firstmark\@firstcolfirstmark
20021                 \let\topmark\@firstcoltopmark}%
20022         \fi
20023     \else
20024         \global\@firstcolumntrue
20025         \setbox\@outputbox\vbox{%
20026             \hb@xt@\textwidth{%
20027                 \hb@xt@\columnwidth{%
20028                     \bidi@firstcolumn@status@write%
20029                     \box\@leftcolumn \hss}%
20030                 \hfil
20031                 {\normalcolor\vrule \@width\columnseprule}%
20032                 \hfil
20033                 \hb@xt@\columnwidth{%
20034                     \bidi@lastcolumn@status@write%
20035                     \box\@outputbox \hss}}}%
20036 \@combinedblfloats
20037     \@setmarks
20038     \@outputpage
20039     \begingroup
20040         \@dblfloatplacement
20041         \@startdblcolumn

```



```

20042      \@whiles\if@fcolmade \fi{\@outputpage
20043      \@startdblcolumn}%
20044      \endgroup
20045      \fi}%
20046
20047
20048 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
20049 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
20050 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
20051 \def\LTRmarginpar{%
20052   \ifhmode
20053     \@bsphack
20054     \@floatpenalty -\@Mii
20055   \else
20056     \@floatpenalty-\@Miii
20057   \fi
20058   \ifinner
20059     \@parmoderr
20060     \@floatpenalty\z@
20061   \else
20062     \@next\@currbox\@freelist{}\}%
20063     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20064     {\@floatpenalty\z@
20065     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
20066   \fi
20067   \@ifnextchar [\@LTRxmpar\@LTRympar}
20068 \long\def\@LTRxmpar[#1]#2{%
20069   \@LTRsavemarbox\@marbox{#1}%
20070   \@LTRsavemarbox\@currbox{#2}%
20071   \@xympar}
20072 \long\def\@LTRympar#1{%
20073   \@LTRsavemarbox\@marbox{#1}%
20074   \global\setbox\@currbox\copy\@marbox
20075   \@xympar}
20076 \long\def \@LTRsavemarbox #1#2{%
20077   \global\setbox #1%
20078     \color@vbox
20079     \vtop{%
20080       \hsize\marginparwidth
20081       \@parboxrestore
20082       \@LTRmarginparreset
20083       #2%
20084       \@minipagefalse
20085       \outer@nobreak
20086     }%
20087   \color@endbox
20088 }
20089 \def \@LTRmarginparreset {%
20090   \reset@font
20091   \normalsize

```



```

20092         \@minipagetrue
20093         \everypar{\@minipagefalse\everypar{}\beginL}%
20094     }
20095 \def\RTLmarginpar{%
20096     \ifhmode
20097         \@bsphack
20098         \@floatpenalty -\@Mii
20099     \else
20100         \@floatpenalty-\@Miii
20101     \fi
20102     \ifinner
20103         \@parmoderr
20104         \@floatpenalty\z@
20105     \else
20106         \@next\@currbox\@freelist{}\{}%
20107         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20108         {\@floatpenalty\z@
20109         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20110     \fi
20111     \ifnextchar [\@RTLxmpar\@RTLympar}
20112 \long\def\@RTLxmpar[#1]#2{%
20113     \@RTLSavemarbox\@marbox{#1}%
20114     \@RTLSavemarbox\@currbox{#2}%
20115     \@xympar}
20116 \long\def\@RTLympar#1{%
20117     \@RTLSavemarbox\@marbox{#1}%
20118     \global\setbox\@currbox\copy\@marbox
20119     \@xympar}
20120 \long\def \@RTLSavemarbox #1#2{%
20121     \global\setbox #1%
20122     \color@vbox
20123     \vtop{%
20124         \hsize\marginparwidth
20125         \@parboxrestore
20126         \@RTLmarginparreset
20127         #2%
20128         \@minipagefalse
20129         \outer@nobreak
20130     }%
20131     \color@endbox
20132 }
20133 \def \@RTLmarginparreset {%
20134     \reset@font
20135     \normalsize
20136     \@minipagetrue
20137     \everypar{\@minipagefalse\everypar{}\beginR}%
20138 }
20139 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
20140     \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
20141     \if@twocolumn

```



```

20142         \if@firstcolumn \@tempcnta\m@ne \fi
20143     \else
20144         \if@mparswitch
20145             \ifodd\c@page \else\@tempcnta\m@ne \fi
20146         \fi
20147         \if@reversemargin \@tempcnta -\@tempcnta \fi
20148     \fi
20149     \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
20150     \@tempdima\@mparbottom
20151     \advance\@tempdima -\@pageht
20152     \advance\@tempdima\ht\@marbox
20153     \ifdim\@tempdima >\z@
20154         \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
20155     \else
20156         \@tempdima\z@
20157     \fi
20158     \global\@mparbottom\@pageht
20159     \global\advance\@mparbottom\@tempdima
20160     \global\advance\@mparbottom\dp\@marbox
20161     \global\advance\@mparbottom\marginparpush
20162     \advance\@tempdima -\ht\@marbox
20163     \global\setbox \@marbox
20164         \vbox {\vskip \@tempdima
20165             \box \@marbox}%
20166     \global \ht\@marbox \z@
20167     \global \dp\@marbox \z@
20168     \kern -\@pagedp
20169     \nointerlineskip
20170     \hb@xt@\columnwidth
20171     {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLMarginpar\beginR\else\beginL\fi
20172         \hskip\columnwidth \hskip\marginparsep
20173     \else
20174         \hskip -\marginparsep \hskip -\marginparwidth
20175     \fi
20176     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLMarginpar\endR\fi
20177     \nointerlineskip
20178     \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
20179 \long\def\ympar#1{%
20180     \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLMarginpar\@RTLtrue\fi}
20181     \global\setbox\@currbox\copy\@marbox
20182     \@xympar}
20183 \def\setRTLMarginpar{\@RTLMarginpartrue\@LTRmarginparfalse}
20184 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLMarginparfalse}
20185 \def\setdefaultmarginpar{\@RTLMarginparfalse\@LTRmarginparfalse}
20186 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
20187     \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
20188     \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
20189         \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
20190     \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
20191         \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%

```



```

20192 \fi}
20193
20194 \newcommand*{\bidi@font@@outputpage}{}
20195
20196 \def\@outputpage{%
20197 \begingroup          % the \endgroup is put in by \aftergroup
20198 \let \protect \noexpand
20199 \@resetactivechars
20200 \global\let\@if@newlist\if@newlist
20201 \global\@newlistfalse
20202 \@parboxrestore
20203 \shipout \vbox{%
20204   \set@typeset@protect
20205   \aftergroup \endgroup
20206   \aftergroup \set@typeset@protect
20207                                     % correct? or just restore by ending
20208                                     % the group?
20209 \if@specialpage
20210   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
20211 \fi
20212 \if@twoside
20213   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
20214   \if@RTLmain
20215     \let\@themargin\evensidemargin
20216   \else
20217     \let\@themargin\oddsidemargin
20218   \fi
20219 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
20220   \if@RTLmain
20221     \let\@themargin\oddsidemargin
20222   \else
20223     \let\@themargin\evensidemargin
20224   \fi
20225 \fi
20226 \ifx\@thehead\@empty \let\@thehead\hfil \fi
20227 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
20228 \else %% not @twoside
20229   \ifx\@oddhead\@empty \let\@thehead\hfil \fi
20230   \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
20231 \fi
20232 \reset@font
20233 \normalsize
20234 \bidi@font@@outputpage
20235 \normalsfcodes
20236 \let\label\@gobble
20237 \let\index\@gobble
20238 \let\glossary\@gobble
20239 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
20240 \@begindvi
20241 \vskip \topmargin

```



```

20242 \moveright\@themargin \vbox {%
20243 \setbox\@tempboxa \vbox to\headheight{%
20244 \vfil
20245 \color@hbox
20246 \normalcolor
20247 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
20248 \color@endbox
20249 }% %% 22 Feb 87
20250 \dp\@tempboxa \z@
20251 \box\@tempboxa
20252 \vskip \headsep
20253 \box\@outputbox
20254 \baselineskip \footskip
20255 \color@hbox
20256 \normalcolor
20257 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RT
20258 \color@endbox
20259 }%
20260 }%
20261 \global\let\if@newlist\@if@newlist
20262 \global \colht \textheight
20263 \stepcounter{page}%
20264 \let\firstmark\botmark
20265 }
20266 \long\def\@makecaption#1#2{%
20267 \vskip\abovecaptionskip
20268 \sbox\@tempboxa{#1: #2}%
20269 \ifdim \wd\@tempboxa >\hsize
20270 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
20271 \else
20272 \global \@minipagefalse
20273 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
20274 \fi
20275 \vskip\belowcaptionskip}
20276 \let\bidi@saved@eqno=\eqno
20277 \let\bidi@saved@leqno=\leqno
20278 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@saved@leqno \else \bidi@saved@eqno \fi}
20279 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@saved@eqno \else \bidi@saved@leqno \fi}
20280 \ifpackageloaded{amsmath}{-}{-}
20281 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
20282 }
20283 \input{footnote-xetex-bidi.def}
20284 \if@twocolumn
20285 \let\autofooterule\relax
20286 \let\leftfootnoterule\relax
20287 \let\rightfootnoterule\relax
20288 \textwidthfootnoterule
20289 \fi
20290 \if@bidi@csundef@idxitem}{-}{-}%
20291 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p}%

```




```

20292 }
20293 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
20294 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
20295 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
20296 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
20297 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
20298 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
20299 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
20300 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
20301 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
20302 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
20303 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
20304 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
20305 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
20306 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
20307 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
20308 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
20309 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
20310 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
20311 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
20312 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
20313 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
20314 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
20315 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
20316 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
20317 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
20318 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
20319 \@ifpackageloaded{amsmath}{}%
20320 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
20321 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
20322 }
20323 \@ifpackageloaded{mathtools}{\RequirePackage{graphicx}}{}
20324 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
20325 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
20326 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
20327 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
20328 \@ifpackagewith{algorithm2e}{algonl}{%
20329 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{Al
20330 }{}
20331 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
20332 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
20333 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
20334 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
20335 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
20336 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
20337 \@ifpackageloaded{animate}{\input{animate-xetex-bidi.def}}{}
20338 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
20339 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
20340 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
20341 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}

```



```

20342 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
20343 \@ifpackageloaded{crop}{\ifclassloaded{memoir}}{\input{crop-xetex-bidi.def}}{}
20344 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
20345 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
20346 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
20347 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
20348 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
20349 \@ifpackageloaded{float}{\ifpackageloaded{floatrow}}{\input{float-xetex-bidi.def}}{}
20350 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
20351 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
20352 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
20353 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
20354 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
20355 \@ifpackageloaded{hvfloating}{\input{hvfloating-xetex-bidi.def}}{}
20356 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
20357 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
20358 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
20359 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
20360 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
20361 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
20362 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
20363 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
20364 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
20365 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
20366 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
20367 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
20368 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
20369 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
20370 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
20371 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
20372 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
20373 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
20374 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
20375 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
20376 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
20377 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
20378 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
20379 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
20380 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
20381 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
20382 \@ifpackagewith{sidecap}{innercaption}{%
20383 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
20384 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
20385 \renewcommand*{\SC@justify@caption}%
20386 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
20387 \renewcommand*{\SC@FLOAT}[2]{%
20388 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
20389 \renewcommand*{\SC@justify@caption}%
20390 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
20391 }{}

```



```

20392 \@ifpackagewith{sidecap}{rightcaption}{%
20393   \if@RTL\renewcommand*{\SC@FLOAT}[2]{\#1\hspace{\sidecaptionsep}{\#2}}
20394   \def\SC@justify@caption{\RaggedLeft}\else%
20395   \renewcommand*{\SC@FLOAT}[2]{\#2\hspace{\sidecaptionsep}{\#1}}
20396   \def\SC@justify@caption{\RaggedRight}\fi%
20397 }{}
20398 \@ifpackagewith{sidecap}{leftcaption}{%
20399   \if@RTL \renewcommand*{\SC@FLOAT}[2]{\#2\hspace{\sidecaptionsep}{\#1}}
20400   \def\SC@justify@caption{\RaggedRight}\else%
20401   \renewcommand*{\SC@FLOAT}[2]{\#1\hspace{\sidecaptionsep}{\#2}}
20402   \def\SC@justify@caption{\RaggedLeft}\fi%
20403 }{}
20404 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
20405 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
20406 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
20407 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
20408 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
20409 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
20410 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
20411 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
20412 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
20413 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
20414 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
20415 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
20416 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
20417 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
20418 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
20419 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
20420 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
20421 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
20422 \@ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}{\input{tocbibind-xetex-bidi.def}}{}}{}
20423 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xetex-bidi.def}}{}}{}
20424 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
20425 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

7.122 xltextra-xetex-bidi.def

```

20426 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for
20427 \let\@XeTeX\XeTeX
20428 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
20429 \let\@XeLaTeX\XeLaTeX
20430 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

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9 Change History

v13.9	General: Added implementaion of the package.	o	toc, lot, lof, etc with multicol package.	311	
v14.2	General: Fixed the wrong order of		v14.3	General: Removed \leavevmode to avoid extra \par.	142

