

The **bid**i Package



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

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If you want to report any bugs or typos and corrections in the documentation, or ask for any new features, or suggest any improvements, or ask any questions about the package, then please do not send any direct emails to me; I will not answer any direct emails. Instead please use the issue tracker:

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

In doing so, please always explain your issue well enough, always include a minimal working examples 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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Introduction

`bidir` provides a convenient interface for typesetting bidirectional texts in plain \TeX and \LaTeX , using the \XeTeX engine.

bidir Info On The Terminal and In The Log File

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

```
*****
*
* bidir 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 20092013 Vafa Khalighi
*
* 2013/11/12, v14.3
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/bidir
*
* Issue tracker: https://github.com/vafa/bidir/issues
*
* Support: persian-tex@tug.org
*****
```

Part I

\LaTeX 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 L^AT_EX 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 comand 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 `\autofooterule`, `\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
  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 \begin{LTR}
7 Anyone who reads Old and Middle English \RLE{Short RTL text} 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 \end{LTR}
11 \end{RTL}
12 \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.

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

- ☞ `\autofooterule` 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}...\r
\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`, `LaTeX 2ε` 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

<code>\hboxR</code> <code>\hboxL</code> <code>\vboxR</code> <code>\vboxL</code>

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

<pre> 1 \documentclass{article} 2 \usepackage{bidi} </pre>
--

```

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 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 \end{enumerate}
10 \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

```

```

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

```

\setLTRbibitems \setRTLbibitems \setdefaultbibitems

```

- ☞ 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`, `cal`, `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`, `pycinpar`, `ragged2e`, `rotating`, `sidecap`, `stabular`, `subfig`, `subfigure`, `supertabular`, `xtab`, `tbls`, `tabulary`, `PGF & TIKZ`, `tocbibind`, `tocloft`, `tocstyle`, `wrapfig`, `xcolor`, `xltxtra` packages, `amsart`, `amsbook`, `artikel1`, `artikel2`, `artikel3`, `extarticle`, `flashcards`, `standrad article`, `boek`, `boek3`, `standard book`, `boekest`, `extbook`, `extletter`, `scrlettr`, `standard letter`, `memoir`, `extreport`, `rapport1`, `rapport3`, `refrep`, `standard report`, `scrartcl`, `scrbook`, `scrpert` 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 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.

2.5 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.

In addition, you also can use `vwcol` package for variable width bidirectional column typesetting.

3 Extra bidi Packages and Classes

3.1 bidi-longtable package

For typesetting RTL tables with `longtable` package, an experimental package, `bidi-longtable` package, is provided. `bidi-longtable` package should be loaded after `longtable` package.

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

☞ You need to use `bidentu-book` class instead `tufte-book` class and `bidentu-handout` class instead `tufte-handout` class.

☞ `bidentu` bundle provides the following extra commands:

<code>\LTRsidenote</code> <code>\RTLsidenote</code> <code>\LTRmarginnote</code> <code>\RTLmarginnote</code>

- ☞ `biditufte-book` and `biditufte-handout` classes provide two extra options; `RTL-geometry` (active when loading either of classes) and `LTRgeometry`.
- ☞ `biditufte` bundle unlike `tufts-latex` package, only provides justified lines.
- ☞ Some features of `tufts-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.

3.3 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.

3.4 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 \\ \dots  
\end{traditionalpoem}
```

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

3.5 Typesetting Resumé

The `bidi` package provides `bidimoderncv`² class for typesetting resumé. 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.

3.6 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.

3.7 Producing Presentations

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

3.7.1 `bidipresentation` Class

`bidipresentation` is a simple class for presentations to be shown on screen or beamer. It is derived from L^AT_EX's `article` class. The virtual paper size of documents produced by this class: width=128mm, height=96mm. `bidipresentation` requires that the `fancyhdr` and `geometry` packages are available on the system. Enhancements to the `bidipresentation` class are easily made available by other packages, these include slides with a background from a bitmap (`eso-pic` package).

Usage: The class is used with

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

```
\documentclass [Options] {bidipresentation}
```

Options of the article class are also available to `bidipresentation`, e. g. 10pt, 11pt, 12pt for selection of font size. However, not all options of the article class will be appropriate for a presentation class, e. g. `twocolumn`.

A simple example document:

```
1 \documentclass[12pt]{bidipresentation}
2 \usepackage{eso-pic}
3 \usepackage[RTLdocument]{bidi}
4 \pagestyle{pres}
5 \AddToShipoutPicture{
6 \includegraphics{gradient2.png}
7 }
8 \begin{document}
9 \begin{titlepage}
10 \centering
11 \distance{1}
12 {
13 \Huge \bfseries Title of the presentation \par
14 }
15 \vspace{1.3ex} \large
16 Author\|[2ex]Institution
17 \distance{2}
18 \end{titlepage}
19 \begin{plainslide}[Title of Page]
20 The first page
21 \end{plainslide}
22 \begin{rawslide}
23 The second page
24 \end{rawslide}
25 \end{document}
```

The title page can be created within the `titlepage` environment, the `\maketitle` command is not available. Slides may be created with the `plainslide` environment, you may add the title of the slide with the optional parameter. The contents of the slide are centered vertically. Another environment generating a slide is `rawslide`: slides are written without title, contents are not vertically centered.

The `\distance{<number>}` command allows to introduce vertical space into slides constructed with the `rawslide` and `titlepage` environments. You should use pairs of `\distance{}` commands with numbers indicating the relative height of empty space, see the titlepage in the example above.

Pictures can be included with the `\includegraphics` command of the `graphicx` package. Please be aware that the dimensions of the pages are 128mm × 96mm and therefore included graphics are scaled appropriately.

Enhancements to `bidipresentation`:

Fill background of a presentation with bitmaps: `eso-pic` package allows you to paint the background with a picture:

```
1 \usepackage{eso-pic}
2 ...
3 \AddToShipoutPicture{
4 \includegraphics{gradient2.png}
5 }
```

`\AddToShipoutPicture{}` puts the picture on every page, `\AddToShipoutPicture*{}` puts it on to the current page, `\ClearShipoutPicture` clears the background beginning with the current page. Details of `eso-pics` commands can be found in its own documentation.

4 Some Useful Internal Macros and Programming Tips

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

4.1 Equating Conditionals

```
\eqnewif{<\newconditional1>}{<\newconditional2>}
```

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

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

`\if@Latin` inside any environment that uses Latin font is true and inside any environment that uses RTL font is false.

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

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

- ☞ `\@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

<code>\save@dir</code> <code>\saved@@dir</code> <code>\reset@dir</code>

- ☞ `\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;

<code>\input bidi</code>

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

```

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

```

☞ 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

```

\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 \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

```

```

5 | of Alfred's jewel embossed on the front cover.
6 | \LTR
7 | Anyone who reads Old and Middle English \RLE{Short right to left text}
  | 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 | \endRTL
12 | \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}[2013/04/26 v0.8 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@ \ifRTL\righskip\else\leftskip\fi#3\relax \advance\ifRTL\righskip\else\l
13    \ifRTL\leftskip\else\righskip\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\ifRTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27   \hbox to \columnwidth
28   {\beginR \vbox{\kern-.4\p@
29     \hrule\@width 5pc\kern11\p@\kern-\footnotesep}\hfil\endR}}
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     \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     \@makefntext{%
45         \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
46
47 \long\def\@RTLfootnotetext#1{%
48     \insert\footins{%
49         \@RTLtrue%
50         \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         \@makefntext{%
58             \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
59
60
61
62 \long\def\@LTRfootnotetext#1{%
63     \insert\footins{%
64         \@RTLfalse%
65         \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         \@makefntext{%
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     \if@RTL\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@{\exp\shortauthors}\@temptokena{\exp\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 amsbook-xetex-bidi.def

```

127 \ProvidesFile{amsbook-xetex-bidi.def}[2013/04/26 v0.9 bidi adaptations for amsbook class for
128 \def\@tocline#1#2#3#4#5#6#7{\relax
129 \ifnum #1>\c@tocdepth % then omit
130 \else
131 \par \addpenalty\@secpenalty\addvspace{#2}%
132 \begingroup \hyphenpenalty\@M
133 \ifempty{#4}{%
134 \tempdima\csname r@tocindent\number#1\endcsname\relax
135 }{%
136 \tempdima#4\relax
137 }%
138 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#3\relax
139 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth

```



```

140 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
141 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
142 \nobreak
143 \endgroup
144 \fi}
145 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
146 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
147 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
148 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
149 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
150 \columnseprule\z@ \columnsep 35\p@
151 \@indextitlestyle
152 \thispagestyle{plain}%
153 \let\item\@idxitem
154 \parindent\z@ \parskip\z@\@plus.3\p@\relax
155 \if@RTL\raggedleft\else\raggedright\fi
156 \hyphenpenalty\@M
157 \footnotesize}
158 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
159 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
160 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
161 \def\right@footnoterule{%
162 \hbox to \columnwidth
163 {\beginR \vbox{\kern-.4\p@
164 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}\hfil\endR}}
165 \def\left@footnoterule{\kern-.4\p@
166 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
167
168 \long\def\@footnotetext#1{%
169 \insert\footins{%
170 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
171 \normalfont\footnotesize
172 \interlinepenalty\interfootnotelinepenalty
173 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
174 \floatingpenalty\@MM \hsize\columnwidth
175 \@parboxrestore \parindent\normalparindent \sloppy
176 \protected@edef\@currentlabel{%
177 \csname p@footnote\endcsname\@thefnmark}%
178 \@makefnmark%
179 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
180
181 \long\def\@RTLfootnotetext#1{%
182 \insert\footins{%
183 \@RTLtrue%
184 \normalfont\footnotesize
185 \interlinepenalty\interfootnotelinepenalty
186 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
187 \floatingpenalty\@MM \hsize\columnwidth
188 \@parboxrestore \parindent\normalparindent \sloppy
189 \protected@edef\@currentlabel%

```

```

190     \csname p@footnote\endcsname\@thefnmark}%
191     \@makefnfntext{%
192         \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
193
194
195 \long\def\@LTRfootnotetext#1{%
196     \insert\footins{%
197         \@RTLfalse%
198         \normalfont\footnotesize
199         \interlinepenalty\interfootnotelinepenalty
200         \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
201         \floatingpenalty\@MM \hsize\columnwidth
202         \@parboxrestore \parindent\normalparindent \sloppy
203         \protected@edef\@currentlabel{%
204             \csname p@footnote\endcsname\@thefnmark}%
205         \@makefnfntext{%
206             \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
207
208
209
210 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
211 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
212 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
213
214 \renewenvironment{thebibliography}[1]{%
215     \@bibtitlestyle
216     \normalfont\bibliofont\labelsep .5em\relax
217     \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
218     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
219     \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
220         \leftmargin\labelwidth \advance\leftmargin\labelsep
221         \usecounter{enumiv}}%
222     \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
223     \sfcode'\.=\@m
224 }{%
225     \def\@noitemerr{\@latex@warning{Empty 'thebibliography' environment}}%
226     \endlist
227 }
228 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
229     \begingroup
230     \fontsize{\@xivpt}{18}\bfseries\centering
231     \ifnum\c@secnumdepth>\m@ne
232         \leavevmode \hskip-\if@RTL\rightskip\else\leftskip\fi
233         \rlap{\vbox to\z@{\vss
234             \centerline{\normalsize\mdseries
235                 \uppercase\@xp{\chaptername}\enspace\thechapter}
236                 \vskip 3pc}}\hskip\if@RTL\rightskip\else\leftskip\fi\fi
237     #1\par \endgroup
238     \skip@34\p@ \advance\skip@-\normalbaselineskip
239     \vskip\skip@ }

```

```

240 \def\maketitle{\par
241   \@topnum\z@ % this prevents figures from falling at the top of page 1
242   \begingroup
243   \@maketitle
244   \endgroup
245   \c@footnote\z@
246   \def\do##1{\let##1\relax}%
247   \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
248   \do\author \do\@xauthor \do\address \do\@xaddress
249   \do\email \do\@xemail \do\curraddr \do\@xcurraddr
250   \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
251   \do\keywords \do\@keywords \do\subjclass \do\@subjclass
252 }

```

7.3 amsmath-xetex-bidi.def

```

253 \ProvidesFile{amsmath-xetex-bidi.def}[2013/09/23 v0.8 bidi adaptations for amsmath package for XeTeX]
254 \let\veqno=\eqno
255 \iftagsleft@ \let\veqno=\leqno \fi
256 \renewcommand{\numberwithin}[3][\arabic]{%
257   \ifundefined{c@#2}{\@nocounterr{#2}}{%
258     \ifundefined{c@#3}{\@nocnterr{#3}}{%
259       \@addtoreset{#2}{#3}%
260       \exp\xdef\csname the#2\endcsname{%
261         \exp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
262 }
263 \def\maketag@@@#1{\hbox{\m@th\normalfont\if@Latin\else\beginR\fi#1\if@Latin\else\endR\fi}}

```

7.4 amstext-xetex-bidi.def

```

264 \ProvidesFile{amstext-xetex-bidi.def}[2013/04/04 v0.1 bidi adaptations for amstext package for XeTeX]
265 \def\textdef@#1#2#3{\hbox{%
266   \everymath{#1}%
267   \let\f@size#2\selectfont
268   \if@Latin\else\beginR\fi#3\if@Latin\else\endR\fi}}

```

7.5 amsthm-xetex-bidi.def

```

269 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package for XeTeX]
270 \def\@thmcountersep{\@SepMark}

```

7.6 array-xetex-bidi.def

```

271 \ProvidesFile{array-xetex-bidi.def}[2010/08/01 v0.2b bidi adaptations for array package for XeTeX]
272 \def\@testpach{\@chclass
273   \ifnum \@lastchclass=6 \@ne \@cnum \@ne \else
274   \ifnum \@lastchclass=7 5 \else
275   \ifnum \@lastchclass=8 \tw@ \else
276   \ifnum \@lastchclass=9 \thr@@
277   \else \z@
278   \ifnum \@lastchclass = 10 \else
279   \edef\@nextchar{\expandafter\string\@nextchar}%
280   \@cnum

```

```

281 \if \@nextchar c\z@ \else
282 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
283 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
284 \z@ \@chclass
285 \if \@nextchar |\@ne \else
286 \if \@nextchar !6 \else
287 \if \@nextchar @7 \else
288 \if \@nextchar <8 \else
289 \if \@nextchar >9 \else
290 10
291 \@chnum
292 \if \@nextchar m\thr@@\else
293 \if \@nextchar p4 \else
294 \if \@nextchar b5 \else
295 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
296 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
297 \def\@tabular{\if@RTL\@RTLtabtrue\fi%
298 \leavevmode
299 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
300 \let\d@llarend\endR
301 \@tabarray}
302 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
303 \expandafter\let\csname endtabular*\endcsname=\endtabular
304 \def\@array[#1]#2{%
305 \@tempdima \ht \strutbox
306 \advance \@tempdima by\extrarowheight
307 \setbox \@arstrutbox \hbox{\vrule
308 \height \arraystretch \@tempdima
309 \depth \arraystretch \dp \strutbox
310 \width \z@}%
311 \beginR
312 \mkpream{#2}%
313 \xdef\@preamble{\noexpand \ialign \@halignto
314 \bgroup \@arstrut \@preamble
315 \tabskip \z@ \cr}%
316 \endgroup
317 \@arrayleft
318 \if #1t\top \else \if#1b\bottom \else \vcenter \fi \fi
319 \bgroup
320 \let \@sharp ##\let \protect \relax
321 \lineskip \z@
322 \baselineskip \z@
323 \m@th
324 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\bottom\bgroup
325 \def\@tabarray{\@ifnextchar[\@array]{\@array[c]}}
326 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@pream
327 \def\array{\col@sep\arraycolsep
328 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}%
329 \@RTLtabfalse\@tabarray}

```

7.7 article-xetex-bidi.def

```

330 \ProvidesFile{article-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for standard article c
331 \if@titlepage
332   \renewcommand\maketitle{\begin{titlepage}%
333     \let\footnotesize\small
334     \let\right@footnoterule\relax
335     \let\left@footnoterule\relax
336     \let\textwidth@footnoterule\relax
337     \let \footnote \thanks
338     \let \LTRfootnote \LTRthanks
339     \let \RTLfootnote \RTLthanks
340     \null\vfil
341     \vskip 60\p@
342     \begin{center}%
343       {\LARGE \@title \par}%
344       \vskip 3em%
345       {\large
346         \lineskip .75em%
347         \begin{tabular}[t]{c}%
348           \@author
349         \end{tabular}\par}%
350       \vskip 1.5em%
351       {\large \@date \par}%           % Set date in \large size.
352     \end{center}\par
353     \@thanks
354     \vfil\null
355   \end{titlepage}%
356   \setcounter{footnote}{0}%
357   \global\let\thanks\relax
358   \global\let\LTRthanks\relax
359   \global\let\RTLthanks\relax
360   \global\let\maketitle\relax
361   \global\let\@thanks\@empty
362   \global\let\@author\@empty
363   \global\let\@date\@empty
364   \global\let\@title\@empty
365   \global\let\title\relax
366   \global\let\author\relax
367   \global\let\date\relax
368   \global\let\and\relax
369 }
370 \else
371 \renewcommand\maketitle{\par
372   \begingroup
373     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
374     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
375     \long\def\@makefntext##1{\parindent 1em\noindent
376       \hb@xt@1.8em{%
377         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%

```

```

378 \if@twocolumn
379 \ifnum \col@number=\@ne
380 \maketitle
381 \else
382 \twocolumn[\maketitle]%
383 \fi
384 \else
385 \newpage
386 \global\@topnum\z@ % Prevents figures from going at top of page.
387 \maketitle
388 \fi
389 \thispagestyle{plain}\@thanks
390 \endgroup
391 \setcounter{footnote}{0}%
392 \global\let\thanks\relax
393 \global\let\LTRthanks\relax
394 \global\let\RTLthanks\relax
395 \global\let\maketitle\relax
396 \global\let\@maketitle\relax
397 \global\let\@thanks\@empty
398 \global\let\@author\@empty
399 \global\let\@date\@empty
400 \global\let\@title\@empty
401 \global\let\title\relax
402 \global\let\author\relax
403 \global\let\date\relax
404 \global\let\and\relax
405 }
406 \def\@maketitle{%
407 \newpage
408 \null
409 \vskip 2em%
410 \begin{center}%
411 \let \footnote \thanks
412 \let \LTRfootnote \LTRthanks
413 \let \RTLfootnote \RTLthanks
414 {\LARGE \@title \par}%
415 \vskip 1.5em%
416 {\large
417 \lineskip .5em%
418 \begin{tabular}[t]{c}%
419 \@author
420 \end{tabular}\par}%
421 \vskip 1em%
422 {\large \@date}%
423 \end{center}%
424 \par
425 \vskip 1.5em}
426 \fi
427 \renewcommand*\l@part[2]{%

```

```

428 \ifnum \c@tocdepth >-2\relax
429   \addpenalty\@secpenalty
430   \addvspace{2.25em \@plus\p@}%
431   \setlength\@tempdima{3em}%
432   \begingroup
433     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
434     \parfillskip -\@pnumwidth
435     {\leavevmode
436       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
437     \nobreak
438     \if@compatibility
439       \global\@nobreaktrue
440       \everypar{\global\@nobreakfalse\everypar{}}%
441     \fi
442   \endgroup
443 \fi}
444 \renewcommand*\l@section[2]{%
445   \ifnum \c@tocdepth >\z@
446     \addpenalty\@secpenalty
447     \addvspace{1.0em \@plus\p@}%
448     \setlength\@tempdima{1.5em}%
449     \begingroup
450       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
451       \parfillskip -\@pnumwidth
452       \leavevmode \bfseries
453       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
454       \hskip -\if@RTL\rightskip\else\leftskip\fi
455       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
456     \endgroup
457   \fi}
458 \renewcommand\left@footnoterule{%
459   \kern-3\p@
460   \hrule\@width.4\columnwidth
461   \kern2.6\p@}
462 \renewcommand\right@footnoterule{%
463   \hbox to \columnwidth
464   {\beginR \vbox{%
465     \kern-3\p@
466     \hrule\@width.4\columnwidth
467     \kern2.6\p@}\hfil\endR}}
468 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
469 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
470 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
471 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
472 \def\@part[#1]#2{%
473   \ifnum \c@secnumdepth >\m@ne
474     \refstepcounter{part}%
475     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
476   \else
477     \addcontentsline{toc}{part}{#1}%

```

```

478 \fi
479 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
480 \interlinepenalty \@M
481 \normalfont
482 \ifnum \c@secnumdepth >\m@ne
483 \Large\bfseries \partname\nobreakspace\thepart
484 \par\nobreak
485 \fi
486 \huge \bfseries #2%
487 \markboth{}{}\par}%
488 \nobreak
489 \vskip 3ex
490 \@afterheading}
491 \renewenvironment{thebibliography}[1]
492 {\section*{\refname}%
493 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
494 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
495 \list{\@biblabel{\@arabic\c@enumiv}}%
496 {\settowidth\labelwidth{\@biblabel{#1}}%
497 \leftmargin\labelwidth
498 \advance\leftmargin\labelsep
499 \@openbib@code
500 \usecounter{enumiv}%
501 \let\p@enumiv\@empty
502 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
503 \sloppy
504 \clubpenalty4000
505 \@clubpenalty \clubpenalty
506 \widowpenalty4000%
507 \sfcode'\. \@m}
508 {\def\@noitemerr
509 {\@latex@warning{Empty 'thebibliography' environment}}%
510 \endlist}
511 \renewenvironment{theindex}
512 {\if@twocolumn
513 \@restonecolfalse
514 \else
515 \@restonecoltrue
516 \fi
517 \columnseprule \z@
518 \columnsep 35\p@
519 \twocolumn[\section*{\indexname}]%
520 \@mkboth{\MakeUppercase\indexname}%
521 {\MakeUppercase\indexname}%
522 \thispagestyle{plain}\parindent\z@
523 \parskip\z@ \@plus .3\p@\relax
524 \let\item\@idxitem}
525 {\if@restonecol\onecolumn\else\clearpage\fi}

```


7.8 artikel1-xetex-bidi.def

```

526 \ProvidesFile{artikel1-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for artikel1 class fo
527 \renewenvironment{theindex}{%
528   \if@twocolumn
529     \@restonecolfalse
530   \else
531     \@restonecoltrue
532   \fi
533   \columnseprule \z@
534   \columnsep 35\p@
535   \twocolumn[\section*{\indexname}]{%
536     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
537   \thispagestyle{plain}\parindent\z@
538   \parskip\z@ \@plus .3\p@\relax
539   \let\item\@idxitem
540 }{%
541   \if@restonecol\onecolumn\else\clearpage\fi}
542 \renewcommand*{\headstyle}{%
543   \interlinepenalty \@M
544   \hyphenpenalty=\@M \exhyphenpenalty=\@M
545   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
546 \if@titlepage
547   \renewenvironment{abstract}{%
548     \titlepage
549     \null\vfil
550     \section*{\SectFont\abstractname}
551     \noindent\ignorespaces}
552   {\par\vfil\null\endtitlepage}
553 \else
554   \renewenvironment{abstract}{%
555     \if@twocolumn
556       \section*{\abstractname}%
557     \else
558       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
559       \section*{\small\SectFont\abstractname}%
560       \noindent\ignorespaces
561     \fi}
562   {\if@twocolumn\else\par\egroup\fi}
563 \fi
564 \renewcommand*{\regtocline}[3]{%
565   \ifnum #1>\c@tocdepth
566   \else
567     \vskip\z@\@plus.2\p@
568     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
569     \if@RTL\rightskip\else\leftskip\fi\unitindent
570     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
571     \parfillskip\z@
572     \@tempdima\unitindent
573     \parindent\z@

```

```

574 \leavevmode
575 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
576 \hskip 1em \nobreak{\slshape #3}\par
577 }%
578 \fi}
579 \if@oldtoc
580 \renewcommand*\l@part[2]{%
581 \ifnum \c@tocdepth >-2\relax
582 \addpenalty\@secpenalty
583 \addvspace{2.25em \@plus\p@}%
584 \begingroup
585 \setlength\@tempdima{3em}%
586 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
587 \parfillskip -\@pnumwidth
588 {\leavevmode
589 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
590 \nobreak
591 \if@compatibility
592 \global\@nobreaktrue
593 \everypar{\global\@nobreakfalse\everypar{}}%
594 \fi
595 \endgroup
596 \fi}
597 \else
598 \renewcommand*\l@part{%
599 \ifnum \c@tocdepth >-2\relax
600 \addpenalty\@secpenalty
601 \addvspace{2.25em \@plus \p@}%
602 \@regtocline{0}%
603 \fi}
604 \fi
605 \if@oldtoc
606 \renewcommand*\l@section[2]{%
607 \addpenalty\@secpenalty
608 \addvspace{1.0em \@plus\p@}%
609 \setlength\@tempdima{1.5em}%
610 \begingroup
611 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
612 \parfillskip -\@pnumwidth
613 \leavevmode \bfseries
614 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
615 \hskip -\if@RTL\rightskip\else\leftskip\fi
616 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
617 \endgroup}
618 \else
619 \renewcommand*\l@section{\@regtocline{1}}
620 \fi
621 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
622 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
623 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}

```

```

624 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
625 \renewenvironment{thebibliography}[1]
626     {\section*\refname}%
627     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
628     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
629     \list{\@biblabel{\@arabic\c@enumiv}}%
630         {\settowidth\labelwidth{\@biblabel{#1}}%
631         \leftmargin\labelwidth
632         \advance\leftmargin\labelsep
633         \@openbib@code
634         \usecounter{enumiv}%
635         \let\p@enumiv\@empty
636         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
637     \sloppy\clubpenalty4000\widowpenalty4000%
638     \sfcode'\.\@m}
639 {\def\@noitemerr
640     {\@latex@warning{Empty 'thebibliography' environment}}%
641     \endlist}
642 \renewcommand*\left@footnoterule{%
643     \kern-3\p@
644     \kern.5\baselineskip
645     \hrule\@width\unitindent
646     \kern.4\baselineskip
647 }
648 \renewcommand*\right@footnoterule{%
649     \hbox to \columnwidth
650     {\beginR \vbox{%
651         \kern-3\p@
652         \kern.5\baselineskip
653         \hrule\@width\unitindent
654         \kern.4\baselineskip}\hfil\endR}
655 }
656 \if@titlepage
657 \renewcommand*\TitleFont{\rmfamily}
658 \renewcommand*\maketitle{%
659     \begin{titlepage}%
660         \let\footnotesize\small
661         \let\right@footnoterule\relax
662         \let\left@footnoterule\relax
663         \let\textwidth\footnoterule\relax
664         \let \footnote \thanks
665         \long\def\@makefnmark{\parindent\z@
666             \def\labelitemi{\textendash}\@revlabeltrue
667             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
668         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
669         \if@compatibility\setcounter{page}{0}\fi
670         \null\vfil
671         \vskip 60\p@
672         \begin{center}%
673             \TitleFont

```

```

674      {\LARGE \def\{\penalty -\@M}
675      \if@allcaps
676      \expandafter\uc@nothanks\@title\thanks\relax
677      \else
678      \@title
679      \fi\par}%
680      \vskip 3em%
681      {\large
682      \lineskip .75em \parindent\z@
683      \begin{tabular}[t]{c}%
684      \if@allcaps
685      \expandafter\uc@authornothanks\@author\and\relax
686      \else
687      \@author
688      \fi
689      \end{tabular}\par}%
690      \vskip 1.5em%
691      {\large
692      \if@allcaps
693      \uppercase\expandafter{\@date}%
694      \else
695      \@date
696      \fi\par}%
697      \end{center}\par
698      \@thanks
699      \vfil\null
700 \end{titlepage}%
701 \setcounter{footnote}{0}%
702 \global\let\thanks\relax
703 \global\let\maketitle\relax
704 \global\let\@thanks\@empty
705 \global\let\@author\@empty
706 \global\let\@title\@empty
707 \global\let\@date\@empty
708 \global\let\title\relax
709 \global\let\author\relax
710 \global\let\date\relax
711 \global\let\and\relax
712 }
713 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
714 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
715 \futurelet\@tempa\uc@ax}
716 \def\uc@ax{%
717 \ifx\@tempa\relax
718 \else
719 \andname \and \expandafter\uc@authornothanks
720 \fi}
721 \def\uc@tx{\ifx\@tempa\relax
722 \else \expandafter\uc@ty \fi}
723 \def\uc@ty#1{\thanks{#1}\uc@nothanks}

```

```

724 \else
725 \renewcommand*\maketitle{\par
726 \begin{group}
727 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
728 \def\@makefnmark{\rlap{%
729 \@textsuperscript{\normalfont\@thefnmark}}}%
730 \long\def\@makefntext{\@xmakefntext{%
731 \@textsuperscript{\normalfont\@thefnmark}}}%
732 \if@twocolumn
733 \ifnum \col@number=\@ne
734 \maketitle
735 \else
736 \twocolumn[\maketitle]%
737 \fi
738 \else
739 \newpage
740 \global\@topnum\z@
741 \maketitle
742 \fi
743 \thispagestyle{plain}\@thanks
744 \endgroup
745 \setcounter{footnote}{0}%
746 \global\let\thanks\relax
747 \global\let\maketitle\relax
748 \global\let\@maketitle\relax
749 \global\let\@thanks\@empty
750 \global\let\@author\@empty
751 \global\let\@title\@empty
752 \global\let\@date\@empty
753 \global\let\title\relax
754 \global\let\author\relax
755 \global\let\date\relax
756 \global\let\and\relax
757 }
758 \def\@maketitle{%
759 \newpage
760 \null
761 \vskip 2em%
762 \begin{center}%
763 \let \footnote \thanks
764 {\LARGE \TitleFont \@title \par}%
765 \vskip 1.5em%
766 {\large \TitleFont
767 \lineskip .5em%
768 \begin{tabular}[t]{c}%
769 \@author
770 \end{tabular}\par}%
771 \vskip 1em%
772 {\large \TitleFont \@date}%
773 \end{center}%

```

```

774 \par
775 \vskip 1.5em}
776 \fi

```

7.9 artikel2-xetex-bidi.def

```

777 \ProvidesFile{artikel2-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for artikel2 class fo
778 \renewenvironment{theindex}{%
779 \if@twocolumn
780 \@restonecolfalse
781 \else
782 \@restonecoltrue
783 \fi
784 \columnseprule \z@
785 \columnsep 35\p@
786 \twocolumn[\section*{\indexname}]{%
787 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
788 \thispagestyle{plain}\parindent\z@
789 \parskip\z@ \@plus .3\p@\relax
790 \let\item\@idxitem
791 }{%
792 \if@restonecol\onecolumn\else\clearpage\fi}
793 \renewcommand*{\regtocline[3]}{%
794 \ifnum #1>\c@tocdepth
795 \else
796 \vskip\z@ \@plus .2\p@
797 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
798 \ifRTL\righskip\else\leftskip\fi\unitindent
799 \ifRTL\leftskip\else\righskip\fi\unitindent \@plus 1fil
800 \parfillskip\z@
801 \@tempdima\unitindent
802 \advance\@tempdima by \othermargin
803 \parindent\z@
804 \leavevmode
805 \hbox{}\hskip -\ifRTL\righskip\else\leftskip\fi\relax#2\nobreak
806 \hskip 1em \nobreak{\slshape #3}\par
807 }%
808 \fi}
809 \if@oldtoc
810 \renewcommand*{\l@section[2]}{%
811 \addpenalty\@secpenalty
812 \addvspace{1.0em \@plus\p@}%
813 \setlength\@tempdima{1.5em}%
814 \begingroup
815 \parindent \z@ \ifRTL\leftskip\else\righskip\fi \@pnumwidth
816 \parfillskip -\@pnumwidth
817 \leavevmode \bfseries
818 \advance\ifRTL\righskip\else\leftskip\fi\@tempdima
819 \hskip -\ifRTL\righskip\else\leftskip\fi
820 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par

```

```

821 \endgroup}
822 \else
823 \renewcommand*\l@section{\@regtocline{1}}
824 \fi
825 \if@oldtoc
826 \renewcommand*\l@part[2]{%
827 \ifnum \c@tocdepth >-2\relax
828 \addpenalty\@secpenalty
829 \addvspace{2.25em \@plus\p@}%
830 \begingroup
831 \setlength\@tempdima{3em}%
832 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
833 \parfillskip -\@pnumwidth
834 {\leavevmode
835 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
836 \nobreak
837 \if@compatibility
838 \global\@nobreaktrue
839 \everypar{\global\@nobreakfalse\everypar{}}%
840 \fi
841 \endgroup
842 \fi}
843 \else
844 \renewcommand*\l@part{%
845 \ifnum \c@tocdepth >-2\relax
846 \addpenalty\@secpenalty
847 \addvspace{2.25em \@plus \p@}%
848 \@regtocline{0}%
849 \fi}
850 \fi
851 \renewcommand*\head@style{%
852 \interlinepenalty \@M
853 \hyphenpenalty=\@M \exhyphenpenalty=\@M
854 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
855 \if@titlepage
856 \renewenvironment{abstract}{%
857 \titlepage
858 \null\vfil
859 \section*{\SectFont\abstractname}%
860 \noindent\ignorespaces}
861 {\par\vfil\null\endtitlepage}
862 \else
863 \renewenvironment{abstract}{%
864 \if@twocolumn
865 \section*{\abstractname}%
866 \else
867 \section*{\hskip\unitindent\small\SectFont\abstractname}%
868 \list{}{\setlength\listparindent{\unitindent}%
869 \setlength\parindent {\z@}%
870 \setlength\leftmargin {\unitindent}%

```

```

871             \setlength\rightmargin {\unitindent}%
872             \setlength\parsep      {\z@}}%
873         \item[]%
874     \fi}
875     {\if@twocolumn\else\par\endlist\fi}
876 \fi
877 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
878 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
879 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
880 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
881 \renewcommand*\left@footnoterule{%
882     \kern-3\p@
883     \hrule\@width 3\unitindent
884     \kern 2.6\p@
885 }
886 \renewcommand*\right@footnoterule{%
887     \hbox to \columnwidth
888     {\beginR \vbox{%
889         \kern-3\p@
890         \hrule\@width 3\unitindent
891         \kern 2.6\p@}\hfil\endR}
892 }
893 \renewenvironment{thebibliography}[1]
894     {\section*{\refname}%
895      \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
896      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
897      \list{\@biblabel{\@arabic\c@enumiv}}%
898          {\settowidth\labelwidth{\@biblabel{#1}}%
899           \leftmargin\labelwidth
900           \advance\leftmargin\labelsep
901           \@openbib@code
902           \usecounter{enumiv}%
903           \let\p@enumiv\@empty
904           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
905      \sloppy\clubpenalty4000\widowpenalty4000%
906      \sfcode'\.\@m
907      {\def\@noitemerr
908       {\@latex@warning{Empty 'thebibliography' environment}}}%
909      \endlist}
910 \if@titlepage
911 \renewcommand*\TitleFont{\rmfamily}
912 \renewcommand*\maketitle{%
913     \begin{titlepage}%
914         \let\footnotesize\small
915         \let\right@footnoterule\relax
916         \let\left@footnoterule\relax
917         \let\textwidth\footnoterule\relax
918         \let \footnote \thanks
919         \long\def\@makefntext##1{\parindent\z@
920             \def\labelitemi{\textendash}\@revlabeltrue

```



```

921         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
922     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
923     \ifcompatibility\setcounter{page}{0}\fi
924     \null\vfil
925     \vskip 60\p@
926     \begin{center}%
927         \TitleFont
928         {\LARGE \def\\{\penalty -\@M}
929         \if@allcaps
930             \expandafter\uc@nothanks\@title\thanks\relax
931         \else
932             \@title
933             \fi\par}%
934     \vskip 3em%
935     {\large
936     \lineskip .75em \parindent\z@
937     \begin{tabular}[t]{c}%
938         \if@allcaps
939             \expandafter\uc@authornothanks\@author\and\relax
940         \else
941             \@author
942             \fi
943     \end{tabular}\par}%
944     \vskip 1.5em%
945     {\large
946     \if@allcaps
947         \uppercase\expandafter{\@date}%
948     \else
949         \@date
950     \fi\par}%
951     \end{center}\par
952     \@thanks
953     \vfil\null
954 \end{titlepage}%
955 \setcounter{footnote}{0}%
956 \global\let\thanks\relax
957 \global\let\maketitle\relax
958 \global\let\@thanks\@empty
959 \global\let\@author\@empty
960 \global\let\@title\@empty
961 \global\let\@date\@empty
962 \global\let\title\relax
963 \global\let\author\relax
964 \global\let\date\relax
965 \global\let\and\relax
966 }
967 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
968 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
969     \futurelet\@tempa\uc@ax}
970 \def\uc@ax{%

```

```

971 \ifx\@tempa\relax
972 \else
973 \\\andname \\\expandafter\uc@authornothanks
974 \fi}
975 \def\uc@tx{\ifx\@tempa\relax
976 \else \expandafter\uc@ty \fi}
977 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
978 \else
979 \renewcommand*\maketitle{\par
980 \begingroup
981 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
982 \long\def\@makefntext##1{\parindent\z@
983 \def\labelitemi{\textendash}%
984 \leavevmode\hb@xt@.5\unitindent{%
985 \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
986 \if@twocolumn
987 \ifnum \col@number=\@ne
988 \@maketitle
989 \else
990 \twocolumn[\@maketitle]%
991 \fi
992 \else
993 \newpage
994 \global\@topnum\z@
995 \@maketitle
996 \fi
997 \thispagestyle{plain}\@thanks
998 \endgroup
999 \setcounter{footnote}{0}%
1000 \global\let\thanks\relax
1001 \global\let\maketitle\relax
1002 \global\let\@maketitle\relax
1003 \global\let\@thanks\@empty
1004 \global\let\@author\@empty
1005 \global\let\@title\@empty
1006 \global\let\@date\@empty
1007 \global\let\title\relax
1008 \global\let\author\relax
1009 \global\let\date\relax
1010 \global\let\and\relax
1011 }
1012 \def\@maketitle{%
1013 \newpage
1014 \null
1015 \vskip 2em%
1016 \begin{center}%
1017 \let \footnote \thanks
1018 {\LARGE \TitleFont \@title \par}%
1019 \vskip 1.5em%
1020 {\large \TitleFont

```

```

1021      \lineskip .5em%
1022      \begin{tabular}[t]{c}%
1023        \@author
1024      \end{tabular}\par}%
1025      \vskip 1em%
1026      {\large \TitleFont \@date}%
1027    \end{center}%
1028    \par
1029    \vskip 1.5em}
1030 \fi

```

7.10 artikel3-xetex-bidi.def

```

1031 \ProvidesFile{artikel3-xetex-bidi.def}[2011/08/26 v0.3 bidi adaptations for artikel3 class fo
1032 \renewenvironment{theindex}{%
1033   \if@twocolumn
1034     \@restonecolfalse
1035   \else
1036     \@restonecoltrue
1037   \fi
1038   \columnseprule \z@
1039   \columnsep 35\p@
1040   \twocolumn[\section*{\indexname}]{%
1041     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
1042   \thispagestyle{plain}\parindent\z@
1043   \parskip\z@ \@plus .3\p@\relax
1044   \let\item\@idxitem
1045   }{%
1046     \if@restonecol\onecolumn\else\clearpage\fi}
1047 \renewcommand*{head@style}{%
1048   \interlinepenalty \@M
1049   \hyphenpenalty=\@M \exhyphenpenalty=\@M
1050   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1051 \renewcommand*{@regtocline[3]}{%
1052   \ifnum #1>\c@tocdepth
1053   \else
1054     \vskip\z@\@plus.2\p@
1055     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1056       \if@RTL\rightskip\else\leftskip\fi\unitindent
1057       \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1058       \parfillskip\z@
1059       \@tempdima\unitindent
1060       \parindent\z@
1061       \leavevmode
1062       \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1063       \hskip 1em \nobreak{\slshape #3}\par
1064     }%
1065   \fi}
1066 \if@oldtoc
1067 \renewcommand*{l@part[2]}{%

```

```

1068 \ifnum \c@tocdepth >-2\relax
1069 \addpenalty\@secpenalty
1070 \addvspace{2.25em \@plus\p@}%
1071 \begingroup
1072 \setlength\@tempdima{3em}%
1073 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1074 \parfillskip -\@pnumwidth
1075 {\leavevmode
1076 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1077 \nobreak
1078 \if@compatibility
1079 \global\@nobreaktrue
1080 \everypar{\global\@nobreakfalse\everypar{}}%
1081 \fi
1082 \endgroup
1083 \fi}
1084 \else
1085 \renewcommand*\l@part{%
1086 \ifnum \c@tocdepth >-2\relax
1087 \addpenalty\@secpenalty
1088 \addvspace{2.25em \@plus \p@}%
1089 \@regtocline{0}%
1090 \fi}
1091 \fi
1092
1093 \if@oldtoc
1094 \renewcommand*\l@section[2]{%
1095 \addpenalty\@secpenalty
1096 \addvspace{1.0em \@plus\p@}%
1097 \setlength\@tempdima{1.5em}%
1098 \begingroup
1099 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1100 \parfillskip -\@pnumwidth
1101 \leavevmode \bfseries
1102 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1103 \hskip -\if@RTL\rightskip\else\leftskip\fi
1104 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1105 \endgroup}
1106 \else
1107 \renewcommand*\l@section{\@regtocline{1}}
1108 \fi
1109 \if@titlepage
1110 \renewenvironment{abstract}{%
1111 \titlepage
1112 \null\vfil
1113 \section*{\SectFont\abstractname}%
1114 \noindent\ignorespaces}
1115 {\par\vfil\null\endtitlepage}
1116 \else
1117 \renewenvironment{abstract}{%

```

```

1118     \if@twocolumn
1119         \section*{\abstractname}%
1120     \else
1121         \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1122         \section*{\small\SectFont\abstractname}%
1123         \noindent\ignorespaces
1124     \fi}
1125     {\if@twocolumn\else\par\egroup\fi}
1126 \fi
1127 \renewcommand*\left@footnoterule{%
1128     \kern-3\p@
1129     \kern.5\baselineskip
1130     \hrule\@width\unitindent
1131     \kern.4\baselineskip
1132 }
1133 \renewcommand*\right@footnoterule{%
1134     \hbox to \columnwidth
1135     {\beginR \vbox{%
1136         \kern-3\p@
1137         \kern.5\baselineskip
1138         \hrule\@width\unitindent
1139         \kern.4\baselineskip}\hfil\endR}
1140 }
1141 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1142 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1143 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1144 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1145 \renewenvironment{thebibliography}[1]
1146     {\section*{\refname}%
1147         \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1148         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1149         \list{\@biblabel{\@arabic\c@enumiv}}%
1150             {\settowidth\labelwidth{\@biblabel{#1}}%
1151             \leftmargin\labelwidth
1152             \advance\leftmargin\labelsep
1153             \openbib@code
1154             \usecounter{enumiv}%
1155             \let\p@enumiv\@empty
1156             \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1157         \sloppy\clubpenalty4000\widowpenalty4000%
1158         \sfcode'\.\@m}
1159     {\def\@noitemerr
1160         {\@latex@warning{Empty 'thebibliography' environment}}%
1161         \endlist}
1162 \if@titlepage
1163 \renewcommand*\TitleFont{\rmfamily}
1164 \renewcommand*\maketitle{%
1165     \begin{titlepage}%
1166         \let\footnotesize\small
1167         \let\right@footnoterule\relax

```

```

1168 \let\left@footnoterule\relax
1169 \let\textwidth@footnoterule\relax
1170 \let \footnote \thanks
1171 \long\def\@makefntext##1{\parindent\z@
1172     \def\labelitemi{\textendash}\@revlabeltrue
1173     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1174 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1175 \if@compatibility\setcounter{page}{0}\fi
1176 \null\vfil
1177 \vskip 60\p@
1178 \begin{center}%
1179     \TitleFont
1180     {\LARGE \def\\{\penalty -\@M}
1181         \if@allcaps
1182             \expandafter\uc@nothanks\@title\thanks\relax
1183         \else
1184             \@title
1185         \fi\par}%
1186 \vskip 3em%
1187 {\large
1188     \lineskip .75em \parindent\z@
1189     \begin{tabular}[t]{c}%
1190         \if@allcaps
1191             \expandafter\uc@authornothanks\@author\and\relax
1192         \else
1193             \@author
1194         \fi
1195     \end{tabular}\par}%
1196 \vskip 1.5em%
1197 {\large
1198     \if@allcaps
1199         \uppercase\expandafter{\@date}%
1200     \else
1201         \@date
1202     \fi\par}%
1203 \end{center}\par
1204 \@thanks
1205 \vfil\null
1206 \end{titlepage}%
1207 \setcounter{footnote}{0}%
1208 \global\let\thanks\relax
1209 \global\let\maketitle\relax
1210 \global\let\@thanks\@empty
1211 \global\let\@author\@empty
1212 \global\let\@title\@empty
1213 \global\let\@date\@empty
1214 \global\let\title\relax
1215 \global\let\author\relax
1216 \global\let\date\relax
1217 \global\let\and\relax

```

```

1218 }
1219 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1220 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1221     \futurelet\@tempa\uc@ax}
1222 \def\uc@ax{%
1223     \ifx\@tempa\relax
1224     \else
1225         \ \andname \ \expandafter\uc@authornothanks
1226     \fi}
1227 \def\uc@tx{\ifx\@tempa\relax
1228     \else \expandafter\uc@ty \fi}
1229 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1230 \else
1231 \renewcommand*\maketitle{\par
1232     \begingroup
1233     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1234     \def\@makefnmark{\rlap{%
1235         \@textsuperscript{\normalfont\@thefnmark}}}%
1236     \long\def\@makefntext{\@xmakefntext{%
1237         \@textsuperscript{\normalfont\@thefnmark}}}%
1238     \if@twocolumn
1239         \ifnum \col@number=\@ne
1240             \@maketitle
1241         \else
1242             \twocolumn[\@maketitle]%
1243         \fi
1244     \else
1245         \newpage
1246         \global\@topnum\z@
1247         \@maketitle
1248     \fi
1249     \thispagestyle{plain}\@thanks
1250 \endgroup
1251 \setcounter{footnote}{0}%
1252 \global\let\thanks\relax
1253 \global\let\maketitle\relax
1254 \global\let\@maketitle\relax
1255 \global\let\@thanks\@empty
1256 \global\let\@author\@empty
1257 \global\let\@title\@empty
1258 \global\let\@date\@empty
1259 \global\let\title\relax
1260 \global\let\author\relax
1261 \global\let\date\relax
1262 \global\let\and\relax
1263 }
1264 \def\@maketitle{%
1265     \newpage
1266     \null
1267     \vskip 2em%

```

```

1268 \if@titlecentered
1269   \begin{center}%
1270     \let \footnote \thanks
1271     {\LARGE \TitleFont \@title \par}%
1272     \vskip 1.5em%
1273     {\large \TitleFont
1274       \lineskip .5em%
1275       \begin{tabular}[t]{c}%
1276         \@author
1277       \end{tabular}\par}%
1278     \vskip 1em%
1279     {\large \TitleFont \@date}%
1280   \end{center}%
1281 \else
1282   {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1283   {\large \TitleFont \lineskip .5em \tabcolsep\z@
1284     \def\and{%% \begin{tabular} has already started
1285       \end{tabular}\hskip 1em plus .17fil
1286       \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
1287       \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\p
1288     \vskip 1em {\large \TitleFont \@date}
1289 \fi
1290 \par
1291 \vskip 1.5em}
1292 \fi

```

7.11 arydshln-xetex-bidi.def

```

1293 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1294 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1295 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
1296 \expandafter\let\csname endtabular*\endcsname\endtabular
1297 \let\adl@array\@array
1298 \def\@array{\adl@everyvbox\everyvbox
1299   \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1300   \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1301   \let\adl@noalign\noalign
1302   \adl@array}
1303 \ifadl@usingarypkg
1304 \def\@testpach{\@chclass
1305   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1306     \ifnum \@lastchclass=7 5 \else
1307       \ifnum \@lastchclass=8 \tw@ \else
1308         \ifnum \@lastchclass=9 \thr@@
1309       \else \z@
1310       \ifnum \@lastchclass = 10 \else
1311         \edef\@nextchar{\expandafter\string\@nextchar}%
1312         \@chnum
1313         \if \@nextchar c\z@ \else
1314         \if \@nextchar \if@RTLtab r\else l\fi\@ne \else

```



```

1315     \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1316     \z@ \@chclass
1317     \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1318     \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1319     \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1320     \if \@nextchar !6 \else
1321     \if \@nextchar @7 \else
1322     \if \@nextchar <8 \else
1323     \if \@nextchar >9 \else
1324     10
1325     \@chnum
1326     \if \@nextchar m\thr@@\else
1327     \if \@nextchar p4 \else
1328     \if \@nextchar b5 \else
1329     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1330     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1331
1332 \def\@classz{\@classx
1333     \@tempcnta \count@
1334     \prepnext@tok
1335     \@addtopreamble{\ifcase \@chnum
1336         \hfil
1337         \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1338         \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1339         \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1340         \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1341         \adl@endmbox\or
1342         \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1343         \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1344     \fi}\prepnext@tok}
1345 \def\adl@class@start{4}
1346 \def\adl@class@iiiorvii{7}
1347
1348 \else
1349 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1350     \ifnum \@lastchclass=\thr@@ 5\relax \else
1351     \z@ \if #1c\@chnum \z@ \else
1352         \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1353         \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1354         \@chclass
1355         \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1356         \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1357         \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1358         \if #1@\tw@ \else
1359         \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1360     \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1361
1362 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1363     \or \or \@addamp \or
1364     \@acolampacol \or \@firstampfalse \@acol \fi

```

```

1365 \edef\@preamble{\@preamble
1366 \ifcase \@chnum
1367 \hfil\adl@putlrc{\$ \relax\@sharp$}\hfil
1368 \or \adl@putlrc{\$ \relax\@sharp$}\hfil
1369 \or \hfil\adl@putlrc{\$ \relax\@sharp$}\fi}}
1370 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1371 \or \or \@addamp \or
1372 \@acolampacol \or \@firststampfalse \@acol \fi
1373 \edef\@preamble{\@preamble
1374 \ifcase \@chnum
1375 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1376 \or \adl@putlrc{\@sharp\unskip}\hfil
1377 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1378 \def\adl@classstart{6}
1379 \def\adl@class@iiiorvii{3}
1380 \fi
1381 \@ifpackageloaded{colortbl}{%
1382 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1383 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1384 \let\@endpbox\adl@org@endpbox}
1385 \let\adl@CT@setup\CT@setup
1386 \def\CT@setup{\adl@CT@setup
1387 \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1388 \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1389 \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1390 \let\adl@act@CT@setup\CT@setup
1391 \def\@classz{\@classx
1392 \@tempcnta\count@ \prepnext@tok
1393 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1394 \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1395 \expandafter\adl@extract@drsc
1396 \the\toks\@tempcnta\doublerulesepcolor!\@nil
1397 \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1398 \@addtopreamble{\if@RTL\beginL\fi%
1399 \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1400 \ifcase \@chnum
1401 \hskip\stretch{.5}\kern\z@
1402 \d@llarbegin
1403 \insert@column
1404 \d@llarend\hskip\stretch{.5}%
1405 \or \d@llarbegin \insert@column \d@llarend \hfill
1406 \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1407 \or $\vcenter
1408 \@startpbox{\@nextchar}\insert@column \@endpbox $%
1409 \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1410 \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1411 \fi
1412 \if@RTL\endR\fi\egroup\egroup
1413 \begingroup
1414 \CT@setup

```

```

1415             \CT@column@color
1416             \CT@row@color
1417             \CT@cell@color
1418             \CT@do@color
1419         \endgroup
1420         \@tempdima\ht\z@
1421         \advance\@tempdima\minrowclearance
1422         \vrule\@height\@tempdima\@width\z@
1423         \unhbox\z@\if@RTL\endL\fi}%
1424     \prepnext@tok}
1425 \let\adl@act@classz\@classz
1426 \let\adl@org@classz\@classz
1427 }{}

```

7.12 bidi.sty

```

1428 \NeedsTeXFormat{LaTeX2e}
1429 \def\bididate{2013/11/12}
1430 \def\bidiversion{v14.3}
1431 \ProvidesPackage{bidi}[\bididate\space \bidiversion\space
1432 Bidirectional typesetting in plain TeX and LaTeX]
1433 \edef\@bidi@info{*****~J%
1434 * ~J%
1435 * bidi package (Bidirectional typesetting in~J%
1436 * plain TeX and LaTeX, using XeTeX engine)~J%
1437 * ~J%
1438 * Description: A convenient interface for~J%
1439 * typesetting bidirectional texts in plain TeX~J%
1440 * and LaTeX. The package includes adaptations~J%
1441 * for use with many other commonly-used packages.~J%
1442 * ~J%
1443 * Copyright 20092013 Vafa Khalighi~J%
1444 * ~J%
1445 * \bididate, \bidiversion~J%
1446 * ~J%
1447 * License: LaTeX Project Public License, version~J%
1448 * 1.3c or higher (your choice)~J%
1449 * ~J%
1450 * Location on CTAN: /macros/xetex/latex/bidi~J%
1451 * ~J%
1452 * Issue tracker: https://github.com/vafa/bidi/issues~J%
1453 * ~J%
1454 * Support: persian-tex@tug.org~J%
1455 *****}
1456 \typeout{\@bidi@info}
1457 \edef\bidi@everyjob{\the\everyjob}
1458 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1459 \RequirePackage{iftex}
1460 \RequireXeTeX
1461 \RequirePackage{biditools}

```

```

1462 \RequirePackage{zref-abspage}
1463 \RequirePackage{auxhook}
1464 \RequirePackage{ltxcmds}
1465 \eqnewif{\if@RTLmain}{\if@rlmain}
1466 \eqnewif{\if@RTL}{\if@rl}
1467 \newif\if@Latin
1468 \eqnewif{\if@RTLtab}{\if@tab@rl}
1469 \newif\if@RTLMarginpar
1470 \newif\if@LTRmarginpar
1471 \newif\if@LTRbibitems
1472 \newif\if@RTLbibitems
1473 \newif\if@extrafootnotefeatures
1474 \newif\if@parafootRTL
1475 \newif\if@RTLcolumnfootnotes
1476 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1477 \newif\if@bidi@list@minipage@parbox
1478 \newif\if@bidi@list@minipage@parbox@not@nob
1479 \@RTLmainfalse
1480 \AtBeginDocument{%
1481   \if@RTLmain\else
1482     \if@RTL\@RTLmaintrue%
1483     \else\@RTLmainfalse%
1484     \fi%
1485   \fi%
1486 }
1487 \let\n@xt=\
1488 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1489 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1490 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1491 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1492 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1493   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1494 \input{latex-xetex-bidi.def}
1495 \input{loadingorder-xetex-bidi.def}
1496 \DeclareOption{RTLdocument}{\@RTLtrue\@RTL@footnotetrue\autofooterule}
1497 \DeclareOption{rldocument}{\@RTLtrue\@RTL@footnotetrue\autofooterule}
1498 \DeclareOption{extrafootnotefeatures}{\@extrafootnotefeaturestrue}
1499 \ProcessOptions
1500
1501 \if@extrafootnotefeatures
1502   \input{extrafootnotefeatures-xetex-bidi.def}
1503 \fi

```

7.13 bidi.tex

```

1504 \def\bididate{2013/11/12}
1505 \def\bidiversion{v0.2}
1506 \catcode'\@=11
1507 \let \protect \relax
1508 \newlinechar'\^^J

```

```

1509 \edef\@bidi@info{*****^^J%
1510 * ^^J%
1511 * bidi package (Bidirectional typesetting in^^J%
1512 * plain TeX and LaTeX, using XeTeX engine)^^J%
1513 * ^^J%
1514 * Description: A convenient interface for^^J%
1515 * typesetting bidirectional texts in plain TeX^^J%
1516 * and LaTeX. The package includes adaptations^^J%
1517 * for use with many other commonly-used packages.^^J%
1518 * ^^J%
1519 * Copyright 20092013 Vafa Khalighi^^J%
1520 * ^^J%
1521 * \bididate, \bidiversion^^J%
1522 * ^^J%
1523 * License: LaTeX Project Public License, version^^J%
1524 * 1.3c or higher (your choice)^^J%
1525 * ^^J%
1526 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1527 * ^^J%
1528 * Issue tracker: https://github.com/vafa/bidi/issues^^J%
1529 * ^^J%
1530 * Support: persian-tex@tug.org^^J%
1531 *****}
1532 \message{\@bidi@info}
1533 \edef\bidi@everyjob{\the\everyjob}
1534 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1535 \input iftex.sty
1536 \RequireXeTeX
1537 \newif\if@RTLmain
1538 \newif\if@RTL
1539 \newif\if@sentedir
1540 \newif\if@RTL@footnote
1541 \@RTLmainfalse
1542 \def\setRTLmain{%
1543   \if@RTLmain\else
1544     \if@RTL\@RTLmaintrue%
1545     \else\@RTLmainfalse%
1546     \fi%
1547   \fi%
1548 }
1549 \let\n@xt=\
1550 \protected\def\LRE{\protect\pLRE}%
1551 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1552 \protected\def\RLE{\protect\pRLE}
1553 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1554 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1555   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1556 \input plain-xetex-bidi.def
1557 \catcode'\@=12

```

7.14 bidi2in1.sty

```
1558 \NeedsTeXFormat{LaTeX2e}
1559 \ProvidesPackage{bidi2in1}
1560 \pagestyle{plain}
1561 \newcount\evenpage
1562 \newcount\oddpag
1563 \twocolumn
1564 \def\@oddfoot{\evenpage=\thepage%
1565 \multiply\evenpage by 2%
1566 \oddpag=\the\evenpage%
1567 \advance\oddpag by -1%
1568 \hfil\the\evenpage\hfil\hfil\the\oddpag\hfil}%
1569 \def\@evenfoot{\evenpage=\thepage%
1570 \multiply\evenpage by 2%
1571 \oddpag=\the\evenpage%
1572 \advance\oddpag by -1%
1573 \hfil\the\oddpag\hfil\hfil\the\evenpage\hfil}%
1574 \textwidth 9.49in
1575 \textheight 6.7in
1576 \columnsep 0.9in
1577 \columnseprule 0.125pt
1578 \headheight 0cm
1579 \topmargin 0in
1580 \marginparwidth 0in
1581 \marginparsep 0in
1582 \hoffset 0.05in % Corrected
1583 \voffset -0.5in %top margin space is 1.0in by default
1584 \oddsidemargin 0in
1585 \evensidemargin 0in
1586 \headsep 0cm
1587 \topskip 0cm
1588 \parskip 0.15in %
1589 \headsep 0pt
1590 \special{papersize=11.69in,8.26in}
1591 \renewcommand\maketitle{\par
1592 \begingroup
1593 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1594 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1595 \long\def\@makefntext##1{\parindent 1em\noindent
1596 \hb@xt@1.8em{\%
1597 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1598 \@maketitle
1599 \@thanks
1600 \endgroup
1601 \setcounter{footnote}{0}%
1602 \global\let\thanks\relax
1603 \global\let\maketitle\relax
1604 \global\let\@maketitle\relax
1605 \global\let\@thanks\@empty
```

```

1606 \global\let\@author\@empty
1607 \global\let\@date\@empty
1608 \global\let\@title\@empty
1609 \global\let\title\relax
1610 \global\let\author\relax
1611 \global\let\date\relax
1612 \global\let\and\relax
1613 }

```

7.15 bidicode.sty

```

1614 \NeedsTeXFormat{LaTeX2e}
1615 \ProvidesPackage{bidicode}
1616 \RequirePackage{xcolor}
1617 \RequirePackage{showexpl}
1618 \definecolor{hellgelb}{rgb}{1,1,0.85}
1619 \definecolor{colKeys}{rgb}{0,0,1}
1620 \definecolor{colIdentifier}{rgb}{0,0,0}
1621 \definecolor{colComments}{rgb}{1,0,0}
1622 \definecolor{colString}{rgb}{0,0.5,0}
1623 \lstset{
1624     language=[LaTeX]TEX,
1625     float=hbp,
1626     basicstyle=\ttfamily\small,
1627     identifierstyle=\color{colIdentifier},
1628     keywordstyle=\color{colKeys},
1629     stringstyle=\color{colString},
1630     commentstyle=\color{colComments},
1631     columns=flexible,
1632     tabsize=4,
1633     gobble =1,
1634     extendedchars=true,
1635     showspace=false,
1636     showstringspaces=false,
1637     numbers=left,
1638     numbersep=0.9em,
1639     numberstyle=\tiny, %
1640     frame=single,
1641     captionpos=b,
1642     xleftmargin=1em,
1643     breaklines=true,
1644     breakautoindent=false,
1645     breakindent=0pt,
1646     escapeinside=**,
1647     pos=r,
1648     explpreset={%
1649     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1650     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1651 }
1652 \newcommand\HLON{%

```

```

1653 \gdef\lst@alloverstyle##1{%
1654     \fboxrule=0pt
1655     \fboxsep=0pt
1656     \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1657 }}
1658 \newcommand\HLOFF{%
1659     \xdef\lst@alloverstyle##1{##1}%
1660 }
1661 \newcommand\Larg [1]{\normalfont\itshape#1\/\}}
1662 \newcommand\Larga[1]{\Larg{#1}$\rangle$}
1663 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
1664 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
1665 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
1666 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
1667 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}
1668
1669 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
1670 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char'{}\}}
1671 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char'{}\}}
1672 \DeclareRobustCommand\lsb{\normalfont\ttfamily[]}
1673 \DeclareRobustCommand\rsb{\normalfont\ttfamily[]}}
1674 \DeclareRobustCommand\lrb{\normalfont\ttfamily{}}
1675 \DeclareRobustCommand\rrb{\normalfont\ttfamily{}}
1676
1677 \def\Lcs#1{\nxLcs{#1}}
1678 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
1679 \def\nxLcs#1{\texttt{\symbol{92}#1}}
1680
1681 \def\Coordx#1{$x_{#1}$}
1682 \def\Coordy#1{$y_{#1}$}
1683 \def\Coordz#1{$z_{#1}$}
1684 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
1685 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
1686 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
1687 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
1688 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
1689 \def\coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
1690 \def\coordn{\Coordx{n},\kern 1pt\Coordy{n}}
1691 \def\coordi#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
1692 \def\coordx#1{($x_{#1}$)}
1693 \def\coordy#1{($y_{#1}$)}
1694 \def\coordz#1{($z_{#1}$)}
1695 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
1696 \def\ciiiiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
1697
1698 \newsavebox{\boxdef}
1699 \newenvironment{BDef}
1700     {\begin{lrbox}\boxdef
1701         \def\arraystretch{1.0}
1702         \begin{tabular}{@{}l@{}l@{}l@{}}

```



```

1703 }
1704 {\end{tabular}\end{lrbox}
1705
1706 {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
1707 \aftergroup\@afterindentfalse\aftergroup\@afterheading
1708 }
1709
1710 \newenvironment{BDef*}
1711 {\begin{lrbox}\boxdef
1712   \def\arraystretch{1.0}
1713   \begin{tabular}{@{}l@{}l@{}l@{}}
1714 }
1715 {\end{tabular}\end{lrbox}
1716 {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
1717 \aftergroup\@afterindentfalse\aftergroup\@afterheading
1718 }
1719 \newenvironment{BCmd*}{
1720   \@beginparpenalty-\@lowpenalty
1721   \topsep\BDefaboveskip
1722   \fbboxsep3pt
1723   \flushleft}
1724 {\@endparpenalty\@M
1725   \@topsepadd\BDefbelowskip
1726   \endflushleft}
1727
1728 \newenvironment{BCmd*}{
1729   \@beginparpenalty\@M
1730   \topsep\BDefinlineskip
1731   \fbboxsep3pt
1732   \flushleft}
1733 {\@endparpenalty5000
1734   \endflushleft}
1735
1736 \newskip\BDefaboveskip
1737 \newskip\BDefbelowskip
1738 \newskip\BDefinlineskip
1739 \setlength\BDefaboveskip{10pt plus 4pt}
1740 \setlength\BDefbelowskip{6pt}
1741 \setlength\BDefinlineskip{6pt}
1742
1743 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
1744 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
1745 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
1746 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

7.16 bidiftnxtra.sty

```

1747 \NeedsTeXFormat{LaTeX2e}
1748 \ProvidesPackage{bidiftnxtra}
1749 \newtoks\bidip@ftn

```

```

1750 \let\FN@sffootnote\footnote
1751 \let\FN@sff@LTRfootnote\LTRfootnote
1752 \let\FN@sff@RTLfootnote\RTLfootnote
1753 \def\footnote{\ifx\protect\@typeset@protect
1754   \expandafter\FN@sffootnote
1755   \else
1756   \expandafter\FN@sff@gobble@opt
1757   \fi
1758 }
1759 \def\LTRfootnote{\ifx\protect\@typeset@protect
1760   \expandafter\FN@sff@LTRfootnote
1761   \else
1762   \expandafter\FN@sff@gobble@opt
1763   \fi
1764 }
1765 \def\RTLfootnote{\ifx\protect\@typeset@protect
1766   \expandafter\FN@sff@RTLfootnote
1767   \else
1768   \expandafter\FN@sff@gobble@opt
1769   \fi
1770 }
1771 \edef\FN@sff@gobble@opt{\noexpand\protect
1772   \expandafter\noexpand\csname FN@sff@gobble@opt \endcsname}
1773 \expandafter\def\csname FN@sff@gobble@opt \endcsname{%
1774   \ifnextchar[%]
1775     \FN@sff@gobble@twobracket
1776     \@gobble
1777 }
1778 \def\FN@sff@gobble@twobracket[#1]#2{}
1779 \let\FN@sff@footnotemark\footnotemark
1780 \def\footnotemark{\ifx\protect\@typeset@protect
1781   \expandafter\FN@sff@footnotemark
1782   \else
1783   \expandafter\FN@sff@gobble@optonly
1784   \fi
1785 }
1786 \edef\FN@sff@gobble@optonly{\noexpand\protect
1787   \expandafter\noexpand\csname FN@sff@gobble@optonly \endcsname}
1788 \expandafter\def\csname FN@sff@gobble@optonly \endcsname{%
1789   \ifnextchar[%]
1790     \FN@sff@gobble@bracket
1791     {}%
1792 }
1793 \def\FN@sff@gobble@bracket[#1]{}
1794 \def\@tabular{\ifRTL\global\@RTLtabtrue\fi
1795   \leavevmode \hbox \bgroup
1796   \let\@footnotetext\@footnotetext
1797   \let\@LTRfootnotetext\@LTRfootnotetext
1798   \let\@RTLfootnotetext\@RTLfootnotetext
1799   \let\@xfootnotenext\@xfootnotenext

```

```

1800 \let\@xfootnote\@bidi@p@xfootnote
1801 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
1802 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
1803 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
1804 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
1805 \if@RTLtab\beginR \fi
1806 $\let\@acol\@tabacol
1807 \let\@classz\@tabclassz
1808 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
1809 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
1810 \egroup $\if@RTLtab\endR\fi\egroup
1811 \ifx\@cuptype\@undefined
1812 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi%
1813 \global\@RTLtabfalse}
1814 \long\def\@bidi@p@ftntext#1{%
1815 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
1816 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
1817 \long\def\@bidi@p@LTRftntext#1{%
1818 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
1819 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
1820 \long\def\@bidi@p@RTLftntext#1{%
1821 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
1822 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
1823
1824
1825 \long\def\@bidi@p@xftntext[#1]#2{%
1826 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}
1827
1828 \long\def\@bidi@p@xLTRftntext[#1]#2{%
1829 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\LTRfootnotetext[#1]{#2}}}
1830
1831 \long\def\@bidi@p@xRTLftntext[#1]#2{%
1832 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\RTLfootnotetext[#1]{#2}}}
1833
1834
1835 \def\@bidi@p@xfootnote[#1]{%
1836 \begingroup
1837 \csname c@\@mpfn\endcsname #1\relax
1838 \unrestored@protected@xdef\@thefnmark{\thempfn}%
1839 \endgroup
1840 \@footnotemark\@bidi@p@xftntext[#1]}
1841
1842
1843 \def\@bidi@p@xLTRfootnote[#1]{%
1844 \begingroup
1845 \csname c@\@mpfn\endcsname #1\relax
1846 \unrestored@protected@xdef\@thefnmark{\thempfn}%
1847 \endgroup
1848 \@footnotemark\@bidi@p@xLTRftntext[#1]}
1849

```

```

1850
1851 \def\@bidi@p@xRTLfootnote[#1]{%
1852   \beginingroup
1853     \csname c@\@mpfn\endcsname #1\relax
1854     \unrestored@protected@xdef\@thefnmark{\thempfn}%
1855   \endgroup
1856   \@footnotemark\@bidi@p@xRTLftntext[#1]}
1857
1858 \def\@xfloat #1[#2]{%
1859   \@nodocument
1860   \def \@captive {#1}%
1861   \def \@fps {#2}%
1862   \@onelevel@sanitize \@fps
1863   \def \reserved@a {!}%
1864   \ifx \reserved@a \@fps
1865     \@fpsadddefault
1866   \else
1867     \ifx \@fps \@empty
1868       \@fpsadddefault
1869     \fi
1870   \fi
1871   \ifhmode
1872     \@bsphack
1873     \@floatpenalty -\@Mii
1874   \else
1875     \@floatpenalty-\@Miii
1876   \fi
1877   \ifinner
1878     \@parmoderr\@floatpenalty\z@
1879   \else
1880     \@next\@currbox\@freelist
1881     {%
1882       \@tempcnta \sixt@@n
1883       \expandafter \@tfor \expandafter \reserved@a
1884       \expandafter :\expandafter =\@fps
1885       \do
1886       {%
1887         \if \reserved@a h%
1888           \ifodd \@tempcnta
1889         \else
1890           \advance \@tempcnta \@ne
1891         \fi
1892       \fi
1893       \if \reserved@a t%
1894         \setfpsbit \tw@
1895       \fi
1896       \if \reserved@a b%
1897         \setfpsbit 4%
1898       \fi
1899       \if \reserved@a p%

```

```

1900         \@setfpsbit 8%
1901     \fi
1902     \if \reserved@a !%
1903         \ifnum \@tempcnta>15
1904             \advance\@tempcnta -\sixt@@n\relax
1905         \fi
1906     \fi
1907 }%
1908 \@tempcntb \csname ftype@\@capttype \endcsname
1909 \multiply \@tempcntb \@xxxii
1910 \advance \@tempcnta \@tempcntb
1911 \global \count\@currbox \@tempcnta
1912 }%
1913 \@fltovf
1914 \fi
1915 \global \setbox\@currbox
1916     \color@vbox
1917     \normalcolor
1918     \vbox \bgroup
1919         \let\@footnotetext\@bidi@p@ftntext
1920         \let\@LTRfootnotetext\@bidi@p@LTRftntext
1921         \let\@RTLfootnotetext\@bidi@p@RTLftntext
1922         \let\@xfootnotenext\@bidi@p@xftntext
1923         \let\@xfootnote\@bidi@p@xfootnote
1924         \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
1925         \let\@xLTRfootnote\@bidi@p@xLTRfootnote
1926         \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
1927         \let\@xRTLfootnote\@bidi@p@xRTLfootnote
1928         \hsize\columnwidth
1929         \@parboxrestore
1930         \@floatboxreset
1931 }
1932 \def \@endfloatbox{%
1933     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
1934     \@minipagefalse
1935     \outer@nobreak
1936     \egroup                %% end of vbox
1937     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
1938     \color@endbox
1939 }

```

7.17 bidi-longtable.sty

```

1940 \ProvidesPackage{bidi-longtable}[2012/12/12 v0.1 typesetting bidi longtables in XeTeX engine]
1941 \def\longtable{\if@RTL\@RTLtabtrue\fi%
1942     \par
1943     \ifx\multicols\@undefined
1944     \else
1945         \ifnum\col@number>\@ne
1946             \@twocolumntrue

```

```

1947     \fi
1948 \fi
1949 \if@twocolumn
1950     \LT@err{longtable not in 1-column mode}\@ehc
1951 \fi
1952 \begingroup
1953 \ifnextchar[\LT@array{\LT@array[x]}
1954 \def\endlongtable{%
1955     \crrc
1956     \noalign{%
1957         \let\LT@entry\LT@entry@chop
1958         \xdef\LT@save@row{\LT@save@row}}%
1959 \LT@echunk
1960 \LT@start
1961 \unvbox\z@
1962 \LT@get@widths
1963 \if@files
1964     {\let\LT@entry\LT@entry@write\immediate\write\@auxout{%
1965         \gdef\expandafter\noexpand
1966             \csname LT@\romannumeral\c@LT@tables\endcsname
1967             {\LT@save@row}}}%
1968 \fi
1969 \ifx\LT@save@row\LT@@@save@row
1970 \else
1971     \LT@warn{Column \@width s have changed\MessageBreak
1972             in table \thetable}%
1973     \LT@final@warn
1974 \fi
1975 \endgraf\penalty -\LT@end@pen
1976 \endgroup
1977 \global\@mparbottom\z@
1978 \pagegoal\vsizel
1979 \endgraf\penalty\z@\addvspace\LTpost
1980 \ifvoid\footins\else\insert\footins{}\fi\@RTLtabfalse}
1981 \def\LT@output{%
1982     \ifnum\outputpenalty <-\@Mi
1983         \ifnum\outputpenalty > -\LT@end@pen
1984             \LT@err{floats and marginpars not allowed in a longtable}\@ehc
1985         \else
1986             \setbox\z@\vbox{\unvbox\@cclv}%
1987             \ifdim \ht\LT@lastfoot>\ht\LT@foot
1988                 \dimen@\pagegoal
1989                 \advance\dimen@-\ht\LT@lastfoot
1990                 \ifdim\dimen@<\ht\z@
1991                     \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
1992                     \makecol
1993                     \outputpage
1994                     \setbox\z@\vbox{\box\LT@head}%
1995                 \fi
1996             \fi

```

```

1997     \global\@colroom\@colht
1998     \global\vsizel\@colht
1999     \vbox
2000     {\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@la
2001     \fi
2002 \else
2003     \setbox\@cclv\vbox{\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\@cclv\copy\LT@foot\vss}\if@RT
2004     \@makecol
2005     \@outputpage
2006     \global\vsizel\@colroom
2007     \copy\LT@head\nobreak
2008 \fi}

```

7.18 bidimoderncv.cls

```

2009 \NeedsTeXFormat{LaTeX2e}
2010 \ProvidesClass{bidimoderncv}
2011 \newif\if@DEBUG\@DEBUGfalse
2012 \DeclareOption{a4paper}{
2013   \setlength\paperheight{297mm}
2014   \setlength\paperwidth{210mm}}
2015 \DeclareOption{a5paper}{
2016   \setlength\paperheight{210mm}
2017   \setlength\paperwidth{148mm}}
2018 \DeclareOption{b5paper}{
2019   \setlength\paperheight{250mm}
2020   \setlength\paperwidth{176mm}}
2021 \DeclareOption{letterpaper}{
2022   \setlength\paperheight{11in}
2023   \setlength\paperwidth{8.5in}}
2024 \DeclareOption{legalpaper}{
2025   \setlength\paperheight{14in}
2026   \setlength\paperwidth{8.5in}}
2027 \DeclareOption{executivepaper}{
2028   \setlength\paperheight{10.5in}
2029   \setlength\paperwidth{7.25in}}
2030 \DeclareOption{landscape}{
2031   \setlength\@tempdima{\paperheight}
2032   \setlength\paperheight{\paperwidth}
2033   \setlength\paperwidth{\@tempdima}}
2034 \newcommand\@ptsize{}
2035 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2036 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2037 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2038 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2039 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2040 \newif\if@colour\@colourtrue
2041 \DeclareOption{nocolour}{\@colourfalse}
2042 \ExecuteOptions{a4paper,11pt,colour,final}
2043 \ProcessOptions\relax

```

```

2044 \input{size1\@ptsize.clo}
2045 \RequirePackage{color}
2046 \RequirePackage{graphicx}
2047 \RequirePackage{ifthen}
2048 \RequirePackage{marvosym}
2049 \addtolength{\oddsidemargin}{-54pt}
2050 \addtolength{\textwidth}{109pt}
2051 \addtolength{\topmargin}{-70pt}
2052 \addtolength{\textheight}{122pt}
2053 \addtolength{\marginparsep}{-5pt}
2054 \addtolength{\marginparwidth}{-10pt}
2055 \RequirePackage{url}
2056 \RequirePackage{hyperref}
2057 \hypersetup{%
2058   breaklinks,
2059   baseurl      = http://,%
2060   pdfborder    = 0 0 0,%
2061   pdfpagemode  = UseNone,%
2062   pdfstartpage = 1}
2063 \AtEndOfClass{%
2064   \AtBeginDocument{%
2065     \hypersetup{%
2066       pdfauthor    = \@firstname~\@familyname,%
2067       pdftitle     = \@title,%
2068       pdfsubject   = \@firstname~\@familyname,%
2069       pdfkeywords  = \@resumename~\@firstname~\@familyname}}}
2070 \urlstyle{tt}
2071 \RequirePackage{fancyhdr}
2072 \fancypagestyle{plain}{%
2073   \renewcommand{\headrulewidth}{0pt}
2074   \renewcommand{\footrulewidth}{0pt}
2075   \fancyhf{}}
2076 \pagestyle{plain}
2077 \setlength\lineskip{1\p@}
2078 \setlength\normallineskip{1\p@}
2079 \renewcommand\baselinestretch{}
2080 \setlength{\parindent}{0pt}
2081 \setlength{\parskip}{0pt}
2082 \setlength\columnsep{10\p@}
2083 \setlength\columnseprule{0\p@}
2084 \pagestyle{empty}
2085 \pagenumbering{arabic}
2086 \raggedbottom
2087 \onecolumn
2088 \providecommand*\listitemsymbol{\textbullet}
2089 \providecommand*\addresssymbol{}
2090 \providecommand*\mobilesymbol{\Mobilefone}
2091 \providecommand*\phonesymbol{\Telefon}
2092 \providecommand*\faxsymbol{\FAX}
2093 \providecommand*\emailsymbol{\Letter}

```



```

2094 \definecolor{firstnamecolor}{rgb}{0,0,0}
2095 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2096 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
2097 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2098 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2099 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2100 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2101 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2102 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2103 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2104 \providecommand*\{firstnamefont}\{}
2105 \providecommand*\{familynamefont}\{}
2106 \providecommand*\{titlefont}\{}
2107 \providecommand*\{addressfont}\{}
2108 \providecommand*\{quote\font}\{}
2109 \providecommand*\{sectionfont}\{}
2110 \providecommand*\{subsectionfont}\{}
2111 \providecommand*\{hintfont}\{\small}
2112 \providecommand*\{firstnamestyle}[1]{\{\{firstnamefont\@firstnamecolour#1\}}
2113 \providecommand*\{familynamestyle}[1]{\{\{familynamefont\@familynamecolour#1\}}
2114 \providecommand*\{titlestyle}[1]{\{\{titlefont\@titlecolour#1\}}
2115 \providecommand*\{addresstyle}[1]{\{\{addressfont\@addresscolour#1\}}
2116 \providecommand*\{quotestyle}[1]{\{\{quote\font\@quotecolour#1\}}
2117 \providecommand*\{sectionstyle}[1]{\{\{sectionfont\@sectiontitlecolour#1\}}
2118 \providecommand*\{subsectionstyle}[1]{\{\{subsectionfont\@subsectioncolour#1\}}
2119 \providecommand*\{hintstyle}[1]{\{\{hintfont\@hintcolour#1\}}
2120 \newcommand*\{cvtheme}[2] [] {
2121   \def\@cvtheme{#2}
2122   \def\@cvthemeoptions{#1}}
2123 \cvtheme{bidi-casual}
2124 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2125 \newcommand*\{resumename}[1]{\def\@resumename{#1}}
2126 \newcommand*\{firstname}[1]{\def\@firstname{#1}}
2127 \newcommand*\{familyname}[1]{\def\@familyname{#1}}
2128 \renewcommand*\{title}[1]{\def\@title{#1}}
2129 \newcommand*\{address}[1]{\def\@address{#1}}
2130 \newcommand*\{mobile}[1]{\def\@mobile{#1}}
2131 \newcommand*\{phone}[1]{\def\@phone{#1}}
2132 \renewcommand*\{fax}[1]{\def\@fax{#1}}
2133 \newcommand*\{email}[1]{\def\@email{#1}}
2134 \newcommand*\{extrainfo}[1]{\def\@extrainfo{#1}}
2135 \def\@photowidth{0pt}
2136 \newcommand*\{photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2137 \newcommand*\{quote}[1]{\def\@quote{#1}}
2138 \newlength{\quotewidth}
2139 \newlength{\hintscolumnwidth}
2140 \newlength{\separatorcolumnwidth}
2141 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2142 \newlength{\maincolumnwidth}
2143 \newlength{\doubleitemmaincolumnwidth}

```

```

2144 \newlength{\listitemsymbolwidth}
2145 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}
2146 \newlength{\listitemmaincolumnwidth}
2147 \newlength{\listdoubleitemmaincolumnwidth}
2148 \newcommand*{\recomputethemelengths}{}
2149 \newcommand*{\recomputelengths}{%
2150 \setlength{\quotewidth}{0.65\textwidth}%
2151 \setlength{\maincolumnwidth}{\textwidth}%
2152 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2153 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2154 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2155 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2156 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2157 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2158 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2159 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2160 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2161 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2162 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2163 \renewcommand{\headwidth}{\textwidth}%
2164 \recomputethemelengths}
2165 \setlength{\hintscolumnwidth}{0.15\textwidth}
2166 \recomputelengths
2167 \title{}
2168 \renewcommand*{\maketitle}{}
2169 \newcommand*{\section}[1]{%
2170 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2171 \phantomsection}%
2172 \addcontentsline{toc}{part}{#1}%
2173 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}
2174 \hspace{\separatorcolumnwidth}%
2175 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\[1ex]]}
2176 \newcommand*{\subsection}[1]{%
2177 \cvline[0.45em]{\subsectionstyle{#1}}
2178 \newcommand*{\cvline}[3][.25em]{%
2179 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}
2180 \bidi@raggedleft\hintfont{#2} \&{#3}%
2181 \end{tabular}}\[\[1]]}
2182 \newcommand*{\cdoubleitem}[4]{%
2183 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2184 \hfill%
2185 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\s
2186 \newcommand*{\cvlistitem}[2][\listitemsymbol]{%
2187 \cvline[0pt]{\#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}
2188 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{%
2189 \cvline[0pt]{\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2190 \hfill%
2191 \ifthenelse{\equal{#3}{}}{
2192 {}
2193 {\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}}

```

```

2194 \newcommand*{\cventry}[6]{%
2195   \cvline{#1}{%
2196     {\bfseries#2}%
2197     \ifx#3\else{, {\slshape#3}}\fi%
2198     \ifx#4\else{, #4}\fi%
2199     \ifx#5\else{, #5}\fi%
2200     .%
2201     \ifx#6\else{\newline{}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2202   }%
2203 \newcommand*{\cvlanguage}[3]{%
2204   \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{minipage}[t]{.775\maincolumnwidth}\textbf{#3}\end{minipage}}
2205 \newcommand*{\cvcomputer}[4]{%
2206   \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2207 \newcommand*{\link}[2][{}]{%
2208   \ifthenelse{\equal{#1}{}}{%
2209     {\href{#2}{#2}}%
2210     {\href{#2}{#1}}}
2211 \newcommand*{\httplink}[2][{}]{%
2212   \ifthenelse{\equal{#1}{}}{%
2213     {\href{http://#2}{#2}}%
2214     {\href{http://#2}{#1}}}
2215 \newcommand*{\emailink}[2][{}]{%
2216   \ifthenelse{\equal{#1}{}}{%
2217     {\href{mailto:#2}{#2}}%
2218     {\href{mailto:#2}{#1}}}
2219 \newif\if@displaypagenumbers\@displaypagenumberstrue
2220 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2221 \AtBeginDocument{%
2222   \if@displaypagenumbers%
2223     \ifundefined{r@lastpage}{\fi}{%
2224       \ifthenelse{\pageref{lastpage} > 1}{%
2225         \fancypagestyle{plain}{%
2226           \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pagestyle{plain}}}%
2227       }%
2228   \AtEndDocument{\label{lastpage}}%
2229   \fi}
2230 \newlength{\bibindent}
2231 \setlength{\bibindent}{1.5em}
2232 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2233 \newenvironment{thebibliography}[1]{%
2234   {%
2235     \section{\refname}%
2236     \small%
2237     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2238     \begin{list}{\bibliographyitemlabel}%
2239       {%
2240         \setlength{\topsep}{0pt}%
2241         \setlength{\labelwidth}{\hintscolumnwidth}%
2242         \setlength{\labelsep}{\separatorcolumnwidth}%
2243         \leftmargin\labelwidth%

```

```

2244         \advance\leftmargin\labelsep%
2245         \@openbib@code%
2246         \usecounter{enumiv}%
2247         \let\p@enumiv\@empty%
2248         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2249         \sloppy\clubpenalty4000\widowpenalty4000%
2250     }%
2251     {%
2252     \def\@noitemerr{\@latex@warning{Empty ‘thebibliography’ environment}}%
2253     \end{list}}%
2254 }
2255 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2256 \let\@openbib@code\@empty

```

7.19 biditools.sty

```

2257 \NeedsTeXFormat{LaTeX2e}
2258 \ProvidesPackage{biditools}[2013/04/10 v0.2 Programming tools for bidi package]
2259 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar‘\\’\relax
2260   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2261   \ifx\@tempa\@tempb \global\let#2#1%
2262   \else
2263     \edef\@tempb{\meaning#2}%
2264     \ifx\@tempa\@tempb
2265     \else
2266       \@latex@error{Unable to properly define \string#2; primitive
2267       \noexpand#1no longer primitive}\@eha
2268     \fi
2269   \fi
2270   \endgroup}
2271 \def\@tagsextension{clo}
2272 \def\@definitionfileextension{def}
2273 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2274 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2275 \def\eqnewif#1#2{%
2276   \count@\escapechar \escapechar\m@ne
2277   \let#1\iffalse
2278   \let#2\iffalse
2279   \eq@if#1#2\iftrue
2280   \eq@if#1#2\iffalse
2281   \escapechar\count@}
2282 \def\eq@if#1#2#3{%
2283   \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2284     \expandafter\@gobbletwo\string#3\endcsname
2285     {\let#1#3%
2286     \let#2#3}%
2287   \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2288     \expandafter\@gobbletwo\string#3\endcsname
2289     {\let#2#3%
2290     \let#1#3}}

```

```

2291 \newcommand*{\if@bidi@csdef}[1]{%
2292   \ifcsname#1\endcsname
2293   \expandafter\@firstoftwo
2294   \else
2295   \expandafter\@secondoftwo
2296   \fi}
2297 \newcommand*{\if@bidi@csundef}[1]{%
2298   \ifcsname#1\endcsname
2299   \expandafter\ifx\csname#1\endcsname\relax
2300   \expandafter\expandafter
2301   \expandafter\@firstoftwo
2302   \else
2303   \expandafter\expandafter
2304   \expandafter\@secondoftwo
2305   \fi
2306   \else
2307   \expandafter\@firstoftwo
2308   \fi}
2309 \newcommand{\if@bidi@def}[1]{%
2310   \ifdefined#1%
2311   \expandafter\@firstoftwo
2312   \else
2313   \expandafter\@secondoftwo
2314   \fi}
2315 \newcommand{\if@bidi@undef}[1]{%
2316   \ifdefined#1%
2317   \ifx#1\relax
2318   \expandafter\expandafter
2319   \expandafter\@firstoftwo
2320   \else
2321   \expandafter\expandafter
2322   \expandafter\@secondoftwo
2323   \fi
2324   \else
2325   \expandafter\@firstoftwo
2326   \fi}
2327 \newcommand{\if@bidi@blank}[1]{% from url.sty
2328   \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2329 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2330 \newcommand{\bidi@notblank}[1]{%
2331   \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2332 \newcommand{\if@bidi@defmacro}{}
2333 \long\edef\if@bidi@defmacro#1{%
2334   \noexpand\expandafter\noexpand\bidi@ifdefmacro
2335   \noexpand\meaning#1\detokenize{macro}:&}
2336 \edef\bidi@ifdefmacro{%
2337   \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&
2338   \bidi@ifdefmacro{\bidi@notblank{#2}}
2339 \newcommand*{\if@bidi@csmacro}[1]{%
2340   \if@bidi@csdef{#1}

```

```

2341     {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2342     {\@secondoftwo}}
2343 \newcommand{\if@bidi@defprimitive}[1]{%
2344   \ifprimitive#1%
2345     \expandafter\@firstoftwo
2346   \else
2347     \expandafter\@secondoftwo
2348   \fi}
2349 \newcommand{\if@bidi@csprimitive}[1]{%
2350   \begingroup\expandafter\expandafter\expandafter\endgroup%
2351   \expandafter\ifprimitive\csname#1\endcsname%
2352   \expandafter\@firstoftwo
2353   \else
2354     \expandafter\@secondoftwo
2355   \fi}
2356 \newcommand*{\bidi@csdefcs}[2]{%
2357   \expandafter\@ifdefinable   \csname#1\endcsname{%
2358   \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2359 \newcommand*{\bidi@csletcs}[2]{%
2360   \expandafter\@ifdefinable   \csname#1\endcsname{%
2361   \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2362 \newcommand*{\bidi@cslet}[2]{%
2363   \expandafter\@ifdefinable   \csname#1\endcsname{%
2364   \expandafter\let\csname#1\endcsname#2}}
2365 \newcommand{\bidi@namelongdef}[1]{%
2366   \long\expandafter\def\csname #1\endcsname}
2367 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2368 \def\bidi@ensure@new@command#1{%
2369   \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2370   \expandafter\if@bidi@csundef\@gtempa
2371     {\new@command#1}{\relax%
2372     \let\@ifdefinable\@rc@ifdefinable%
2373     \new@command#1}}
2374 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2375
2376 \protected\def\bidi@error{\PackageError{bidi}}
2377 \protected\def\bidi@warning{\PackageWarning{bidi}}
2378 \protected\def\bidi@info{\PackageInfo{bidi}}
2379
2380 \newcommand*{\bidi@newrobustcmd}{}
2381 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2382
2383 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2384
2385 \def\bidi@newcommand#1[#2]{%
2386   \@ifnextchar [%]
2387     {\bidi@xargdef#1[#2]}
2388     {\ifx\l@ngrel@x\relax
2389       \let\l@ngrel@x\protected
2390     \else

```

```

2391     \protected\def\l@ngrel@x{\protected\long}%
2392     \fi
2393     \@argdef#1[#2]}}
2394
2395 \long\def\bidixargdef#1[#2][#3]#4{%
2396   \ifdefinable#1{%
2397     \expandafter\protected
2398     \expandafter\def
2399     \expandafter#1%
2400     \expandafter{%
2401       \expandafter\@testopt
2402       \csname\string#1\endcsname{#3}}%
2403     \expandafter\@yargdef\csname\string#1\endcsname\tw#{#2}#{#4}}}
2404
2405 \bidixnewrobustcmd*{\bidixrenewrobustcmd}{\@star@or@long\bidixrenew@command}
2406
2407 \def\bidixrenew@command#1{%
2408   \if@bidixundef{#1}
2409     {\bidixerror{\string#1 undefined}\@ehc}
2410     {}%
2411   \let\@ifdefinable\@rc@ifdefinable
2412   \bidixnew@command#1}
2413
2414
2415
2416 \bidixnewrobustcmd*{\bidixproviderobustcmd}{\@star@or@long\bidixprovide@command}
2417
2418 \def\bidixprovide@command#1{%
2419   \if@bidixundef{#1}
2420     {\def\reserved@a{\bidixnew@command#1}}
2421     {\def\reserved@a{\bidixrenew@command\reserved@a}}%
2422   \reserved@a}
2423
2424 \newcommand*{\bidixcsuse}[1]{%
2425   \ifcsname#1\endcsname
2426     \csname#1\expandafter\endcsname
2427   \fi}
2428
2429 \newcommand{\bidixexpandonce}[1]{%
2430   \unexpanded\expandafter{#1}}
2431
2432 \def\bidixprotected{%
2433   \let\@protect\protect
2434   \let\protect\@unexpandable@protect
2435   \afterassignment\restore@protect}
2436
2437 \bidixnewrobustcmd{\bidixappto}[2]{%
2438   \if@bidixundef{#1}
2439     {\edef#1{\unexpanded{#2}}}
2440     {\edef#1{\bidixexpandonce#1\unexpanded{#2}}}}

```

```

2441 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2442   \if@bidi@undef{#1}
2443     {\edef#1{#2}}
2444     {\edef#1{\bidi@expandonce#1#2}}}
2445 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2446   \if@bidi@undef{#1}
2447     {\xdef#1{\unexpanded{#2}}}
2448     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2449 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2450   \if@bidi@undef{#1}
2451     {\xdef#1{#2}}
2452     {\xdef#1{\bidi@expandonce#1#2}}}
2453
2454 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2455 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2456
2457
2458
2459 \bidi@newrobustcmd{\bidi@preto}[2]{%
2460   \if@bidi@undef{#1}
2461     {\edef#1{\unexpanded{#2}}}
2462     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2463 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2464   \if@bidi@undef{#1}
2465     {\edef#1{#2}}
2466     {\edef#1{#2\bidi@expandonce#1}}}
2467 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2468   \if@bidi@undef{#1}
2469     {\xdef#1{\unexpanded{#2}}}
2470     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2471 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2472   \if@bidi@undef{#1}
2473     {\xdef#1{#2}}
2474     {\xdef#1{#2\bidi@expandonce#1}}}
2475
2476 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2477 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2478
2479
2480
2481 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2482 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2483 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2484 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2485 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2486 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2487
2488
2489
2490 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}

```



```

2491 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2492 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2493 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2494 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2495 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2496
2497
2498
2499 \bidi@newrobustcmd{\if@bidi@patchable}{%
2500   \bidi@dbg@trce\if@bidi@patchable
2501   \begingroup
2502   \@makeother\#%
2503   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2504
2505 \long\def\bidi@ifpatchable#1#2{%
2506   \endgroup
2507   \bidi@dbg@init#1%
2508   \if@bidi@undef{#1}
2509     {\bidi@dbg@fail{def}\@secondoftwo}
2510     {\bidi@dbg@info{def}%
2511     \if@bidi@defmacro{#1}
2512       {\bidi@dbg@info{mac}%
2513       \bidi@ifscanable{#1}
2514         {\bidi@ifhashcheck{#2}
2515           {\bidi@dbg@info{tok}%
2516           \bidi@ifpattern#1{#2}
2517             {\bidi@dbg@info{pat}%
2518             \bidi@dbg@info{pos}\@firstoftwo}
2519             {\bidi@dbg@fail{pat}\@secondoftwo}}
2520             {\bidi@dbg@fail{hsh}\@secondoftwo}}
2521             {\bidi@dbg@fail{tok}\@secondoftwo}}
2522             {\bidi@dbg@fail{mac}\@secondoftwo}}}
2523
2524 \long\def\bidi@ifpatchable@i#1{%
2525   \endgroup
2526   \bidi@dbg@init#1%
2527   \if@bidi@undef{#1}
2528     {\bidi@dbg@fail{def}\@secondoftwo}
2529     {\bidi@dbg@info{def}%
2530     \if@bidi@defmacro{#1}
2531       {\bidi@dbg@info{mac}%
2532       \if@bidi@defparam{#1}
2533         {\bidi@dbg@info{prm}%
2534         \bidi@ifscanable{#1}
2535           {\bidi@dbg@info{tok}%
2536           \bidi@dbg@info{pos}\@firstoftwo}
2537           {\bidi@dbg@fail{tok}\@secondoftwo}}
2538           {\bidi@dbg@info{prl}%
2539           \if@bidi@defprotected{#1}
2540             {\bidi@dbg@info{pro}}

```

```

2541         {}%
2542         \bidi@dbg@info{pos}\@firstoftwo}}
2543     {\bidi@dbg@fail{mac}\@secondoftwo}}
2544
2545 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2546 \bidi@dbg@trce\bidi@patchcmd
2547 \beginingroup
2548 \@makeother\%
2549 \bidi@@patchcmd}
2550
2551 \newcommand{\bidi@@patchcmd}[4][#####1]{%
2552 \bidi@ifpatchable#2{#3}
2553 {\bidi@dbg@succ{ret}}%
2554 \beginingroup
2555 \edef\bidi@resrvda{%
2556 \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2557 #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
2558 \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
2559 ####1\detokenize{#4}####2}%
2560 \edef\noexpand\bidi@resrvda{%
2561 \noexpand\bidi@resrvda\meaning#2&}}%
2562 \bidi@resrvda
2563 \bidi@patchcmd@scantoks\bidi@resrvda
2564 \let#2\bidi@resrvda
2565 \bidi@undef\bidi@resrvda
2566 \@firstoftwo}
2567 {\@secondoftwo}}
2568
2569 \def\bidi@patchcmd@scantoks#1{%
2570 \edef\bidi@resrvda{\endgroup
2571 \unexpanded{\makeatletter\scantokens}{#1}%
2572 \catcode\number'\@=\the\catcode'\@ \relax}%
2573 \bidi@resrvda}
2574
2575 \newcommand\bidi@isloaded[2][]{
2576 \expandafter\ifx\csname if@bidi@#2loaded@endcsname\relax
2577 \expandafter\newif\csname if@bidi@#2loaded@endcsname
2578 \fi
2579 \@ifpackageloaded{#2}
2580 {\csname @bidi@#2loaded@true\endcsname #1}
2581 {\csname @bidi@#2loaded@false\endcsname}}
2582
2583 \protected\def\bidi@ifscanable#1{%
2584 \beginingroup
2585 \edef\bidi@resrvda{%
2586 \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
2587 ####1\def\string\bidi@resrvda####2{####3}}%
2588 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
2589 \bidi@resrvda
2590 \makeatletter

```

```

2591 \scantokens\expandafter{\bidi@resrvda}%
2592 \expandafter\endgroup\ifx#1\bidi@resrvda
2593   \expandafter\@firstoftwo
2594 \else
2595   \expandafter\@secondoftwo
2596 \fi}
2597
2598
2599 \protected\long\def\bidi@ifhashcheck#1{%
2600   \begingroup
2601   \edef\bidi@resrvda{\detokenize{#1}}%
2602   \expandafter\endgroup
2603   \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
2604
2605 \edef\bidi@ifhashcheck@i#1{%
2606   \noexpand\expandafter
2607   \noexpand\bidi@ifhashcheck@ii
2608   \noexpand\strip@prefix#1\string#\string#&}
2609
2610 \edef\bidi@ifhashcheck@ii{%
2611   \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&}
2612 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
2613
2614
2615 \protected\long\def\bidi@ifpattern#1#2{%
2616   \begingroup
2617   \edef\bidi@resrvda{%
2618     \def\noexpand\bidi@resrvda####1\detokenize{#2}###2&{%
2619       \endgroup\noexpand\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
2620   \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
2621     \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
2622   \noexpand\bidi@resrvda}
2623   \bidi@resrvda\@secondoftwo\@firstoftwo}
2624
2625
2626 \newcommand{\if@bidi@defparam}{%
2627 \long\edef\if@bidi@defparam#1{%
2628   \noexpand\expandafter\noexpand\bidi@ifdefparam
2629   \noexpand\meaning#1\detokenize{macro}:->&}
2630 \edef\bidi@ifdefparam{%
2631   \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
2632 \bidi@ifdefparam{\bidi@notblank{#2}}
2633
2634
2635 \newcommand{\if@bidi@defprotected}{%
2636 \long\edef\if@bidi@defprotected#1{%
2637   \noexpand\expandafter\noexpand\bidi@ifdefprotected
2638   \noexpand\meaning#1\string\protected&}
2639 \edef\bidi@ifdefprotected{%
2640   \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}

```

```

2641 \bidi@ifdefprotected{\bidi@notblank{#2}}
2642
2643
2644 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
2645
2646 \let\bidi@dbg@trce\@gobble
2647 \let\bidi@dbg@init\@gobble
2648 \let\bidi@dbg@info\@gobble
2649 \let\bidi@dbg@succ\@gobble
2650 \let\bidi@dbg@fail\@gobble
2651
2652
2653
2654 \bidi@newrobustcmd*{\bidi@apptocmd}{%
2655   \bidi@dbg@trce\bidi@apptocmd
2656   \beginingroup
2657   \@makeother\#%
2658   \bidi@hooktocmd\bidi@append}
2659
2660
2661
2662 \bidi@newrobustcmd*{\bidi@pretocmd}{%
2663   \bidi@dbg@trce\bidi@pretocmd
2664   \beginingroup
2665   \@makeother\#%
2666   \bidi@hooktocmd\bidi@prepend}
2667
2668 \long\def\bidi@hooktocmd#1#2#3{%
2669   \endgroup
2670   \bidi@dbg@init#2%
2671   \if@bidi@undef{#2}
2672     {\bidi@dbg@fail{def}\@secondoftwo}
2673     {\bidi@dbg@info{def}%
2674       \if@bidi@defmacro{#2}
2675         {\bidi@dbg@info{mac}%
2676           \if@bidi@defparam{#2}
2677             {\bidi@dbg@info{prm}%
2678               \bidi@ifscanable{#2}
2679                 {\bidi@ifhashcheck{#3}
2680                   {\bidi@dbg@info{tok}%
2681                     \bidi@dbg@succ{ret}%
2682                     \bidi@hooktocmd@i#1#2{#3}%
2683                     \@firstoftwo}
2684                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
2685                 {\bidi@dbg@fail{tok}\@secondoftwo}}
2686             {\bidi@dbg@info{prl}%
2687               \if@bidi@defprotected{#2}
2688                 {\bidi@dbg@info{pro}%
2689                   \bidi@dbg@succ{red}%
2690                   \protected}

```

```

2691         {\bidi@dbg@succ{red}}}%
2692         \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
2693         \@firstoftwo}}
2694     {\bidi@dbg@fail{mac}\@secondoftwo}}
2695
2696 \long\def\bidi@hooktocmd@i#1#2#3{%
2697   \begingroup
2698   \edef\bidi@resrvda{%
2699     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
2700       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}}%
2701     \edef\noexpand\bidi@resrvda{%
2702       \noexpand\bidi@resrvda\meaning#2&}}%
2703   \bidi@resrvda
2704   \bidi@patchcmd@scantoks\bidi@resrvda
2705   \let#2\bidi@resrvda
2706   \bidi@undef\bidi@resrvda}
2707
2708 \long\def\bidi@append#1#2{#1#2}
2709 \long\def\bidi@prepend#1#2{#2#1}
2710
2711 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
2712 \newcommand*{\bidi@endpreamblehook}{}
2713
2714 \bidi@preto\document{%
2715   \endgroup
2716   \let\bidi@AtEndPreamble\@firstofone
2717   \bidi@endpreamblehook
2718   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
2719   \bidi@undef\bidi@endpreamblehook
2720   \begingroup}
2721
2722 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
2723 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
2724
2725 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
2726 \newcommand*{\bidi@afterendpreamblehook}{}
2727
2728 \bidi@appto\document{%
2729   \let\bidi@AfterEndPreamble\@firstofone
2730   \bidi@afterendpreamblehook
2731   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
2732   \bidi@undef\bidi@afterendpreamblehook
2733   \ignorespaces}
2734
2735 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
2736
2737 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
2738 \newcommand*{\bidi@afterenddocumenthook}{}
2739
2740 \bidi@patchcmd\enddocument

```

```

2741 {\deadcycles}
2742 {\let\bid@AfterEndDocument\@firstofone
2743 \bid@afterenddocumenthook
2744 \deadcycles}
2745 {}
2746 {\let\bid@@end\@@end
2747 \def\@@end{%
2748 \let\bid@AfterEndDocument\@firstofone
2749 \bid@afterenddocumenthook
2750 \bid@@end}}
2751
2752 \bid@newrobustcmd{\bid@AtBeginEnvironment}[1]{%
2753 \bid@csgappto{@begin@#1@hook}}
2754
2755 \bid@patchcmd\begin
2756 {\csname #1\endcsname}
2757 {\bid@csuse{@begin@#1@hook}%
2758 \csname #1\endcsname}
2759 {}
2760 {\bid@warning{%
2761 Patching '\string\begin' failed!\MessageBreak
2762 '\string\bid@AtBeginEnvironment' will not work\@gobble}}
2763
2764
2765
2766 \bid@newrobustcmd{\bid@AtEndEnvironment}[1]{%
2767 \bid@csgappto{@end@#1@hook}}
2768
2769 \bid@patchcmd\end
2770 {\csname end#1\endcsname}
2771 {\bid@csuse{@end@#1@hook}%
2772 \csname end#1\endcsname}
2773 {}
2774 {\bid@warning{%
2775 Patching '\string\end' failed!\MessageBreak
2776 '\string\bid@AtEndEnvironment' will not work\@gobble}}
2777
2778
2779
2780 \bid@newrobustcmd{\bid@BeforeBeginEnvironment}[1]{%
2781 \bid@csgappto{@beforebegin@#1@hook}}
2782
2783 \bid@pretocmd\begin
2784 {\bid@csuse{@beforebegin@#1@hook}}
2785 {}
2786 {\bid@warning{%
2787 Patching '\string\begin' failed!\MessageBreak
2788 '\string\bid@BeforeBeginEnvironment' will not work\@gobble}}
2789
2790

```

```

2791
2792 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
2793   \bidi@csgappto{@afterend@#1@hook}}
2794
2795 \bidi@patchcmd\end
2796   {\if@ignore}
2797   {\bidi@cscuse{@afterend@#1@hook}%
2798    \if@ignore}
2799   {}
2800   {\bidi@warning{%
2801     Patching '\string\end' failed!\MessageBreak
2802     '\string\bidi@AfterEndEnvironment' will not work@gobble}}

```

7.20 bidiutfefloat.sty

```

2803 \NeedsTeXFormat{LaTeX2e}
2804 \ProvidesPackage{bidiutfefloat}[2011/06/14 v0.1
2805 bidi implementation of tufte float]
2806 \RequirePackage{xifthen}
2807 \newcommand{\@bidiutfefloat@pkgname}{bidiutfefloat}
2808 \newcommand{\bidiutfefloatError}[2]{\PackageError{\@bidiutfefloat@pkgname}{#1}{#2}}
2809 \newcommand{\bidiutfefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidiutfefloat@debug}}{\bidi
2810 \newcommand{\bidiutfefloatInfoNL}[1]{\PackageInfo{\@bidiutfefloat@pkgname}{#1@gobble}}
2811 \newboolean{\@bidiutfefloat@RTLgeometry}
2812 \setboolean{\@bidiutfefloat@RTLgeometry}{true}
2813 \DeclareOption{RTLgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{true}}
2814 \DeclareOption{LTRgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{false}}
2815 \newboolean{\@bidiutfefloat@a4paper}
2816 \DeclareOption{a4paper}{\setboolean{\@bidiutfefloat@a4paper}{true}}
2817 \newboolean{\@bidiutfefloat@b5paper}
2818 \DeclareOption{b5paper}{\setboolean{\@bidiutfefloat@b5paper}{true}}
2819 \newboolean{\@bidiutfefloat@symmetric}
2820 \newboolean{\@bidiutfefloat@twoside}
2821 \DeclareOption{twoside}{%
2822 \@twosidetrue \mparswitchtrue%
2823 \setboolean{\@bidiutfefloat@twoside}{true}%
2824 \setboolean{\@bidiutfefloat@symmetric}{true}%
2825 }
2826 \DeclareOption{oneside}{%
2827 \@twosidefalse \mparswitchfalse%
2828 \setboolean{\@bidiutfefloat@twoside}{false}%
2829 \setboolean{\@bidiutfefloat@symmetric}{false}%
2830 }
2831 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
2832 \newboolean{\@bidiutfefloat@debug}
2833 \newcommand*{\@bidiutfefloat@caption@justification}{\@bidiutfefloat@justification@autodetec
2834 \ProcessOptions
2835 %% Globally sets the length
2836 \newcommand*{\gsetlength}[2]{%
2837   \setlength{#1}{#2}%

```

```

2838 \global#1=#1\relax%
2839 }
2840 %% Globally sets a boolean
2841 \newcommand*\gsetboolean{2}{% based on code from ifthen pkg
2842 \lowercase{\def\@tempa{#2}}%
2843 \@ifundefined{@tempwa\@tempa}%
2844 {\PackageError{ifthen}{You can only set a boolean to 'true' or 'false'}\@ehc}%
2845 {\@ifundefined{#1\@tempa}%
2846 {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
2847 {\global\csname#1\@tempa\endcsname}%
2848 }%
2849 }
2850 %% Set the font sizes and baselines to match bidentuftefloat's books
2851 \renewcommand\normalsize{%
2852 \setfontsize\normalsize\@xpt{14}%
2853 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
2854 \abovedisplayshortskip \z@ \@plus3\p@
2855 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
2856 \belowdisplayskip \abovedisplayskip
2857 \let\@listi\@listI}
2858 \normalbaselineskip=14pt
2859 \normalsize
2860 \renewcommand\footnotesize{%
2861 \setfontsize\footnotesize\@viipt{10}%
2862 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
2863 \abovedisplayshortskip \z@ \@plus\p@
2864 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
2865 \def\@listi{\leftmargin\leftmarginI
2866 \topsep 3\p@ \@plus\p@ \@minus\p@
2867 \parsep 2\p@ \@plus\p@ \@minus\p@
2868 \itemsep \parsep}%
2869 \belowdisplayskip \abovedisplayskip
2870 }
2871 %% Paragraph indentation and separation for marginal text
2872 \newcommand{\@bidentuftefloat@margin@par}{%
2873 \setlength{\RaggedRightParindent}{0.5pc}%
2874 \setlength{\JustifyingParindent}{0.5pc}%
2875 \setlength{\parindent}{0.5pc}%
2876 \setlength{\parskip}{0pt}%
2877 }
2878 \RequirePackage{ragged2e}
2879 \ifthenelse{\boolean{@bidentuftefloat@RTLgeometry}}{%
2880 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar]{ragged2e}
2881 \ifthenelse{\boolean{@bidentuftefloat@a4paper}}{
2882 {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar}{
2883 }
2884 \ifthenelse{\boolean{@bidentuftefloat@bfivepaper}}{
2885 {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,
2886 }{}%
2887 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar]{ragged2e}

```



```

2888 \ifthenelse{\boolean{@bidituftefloat@a4paper}}
2889   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpars
2890    {}
2891 \ifthenelse{\boolean{@bidituftefloat@b5paper}}
2892   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,n
2893   {}
2894 \ifthenelse{\boolean{@bidituftefloat@symmetric}}
2895   {}
2896   {\geometry{asymmetric}}}% forces internal LaTeX 'twoside'
2897 \setlength\marginparpush{10pt}
2898 %% Font for margin items
2899 \newcommand{\@bidituftefloat@marginfont}{\normalfont\footnotesize}
2900 \newcommand*{\@bidituftefloat@caption@font}{\@bidituftefloat@marginfont}
2901 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidituftefloat@caption@font}{#1}}
2902 \newcommand{\@bidituftefloat@justification}{\justifying}%
2903 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
2904 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
2905 \newboolean{@bidituftefloat@changepage}
2906 \IfFileExists{changepage.sty}{%
2907   \bidituftefloatDebugInfoNL{Found changepage.sty}
2908   \RequirePackage[strict]{changepage}
2909   \setboolean{@bidituftefloat@changepage}{true}
2910 }{%
2911   \bidituftefloatDebugInfoNL{Found chngpage.sty}
2912   \RequirePackage[strict]{chngpage}
2913   \setboolean{@bidituftefloat@changepage}{false}
2914 }
2915 \newboolean{@bidituftefloat@odd@page}
2916 \setboolean{@bidituftefloat@odd@page}{true}
2917 \newcommand*{\@bidituftefloat@checkoddpage}{%
2918   \checkoddpage%
2919   \ifthenelse{\boolean{@bidituftefloat@changepage}}{%
2920     \ifoddpage%
2921       \setboolean{@bidituftefloat@odd@page}{true}%
2922     \else%
2923       \setboolean{@bidituftefloat@odd@page}{false}%
2924     \fi%
2925   }{%
2926     \ifcpoddpage%
2927       \setboolean{@bidituftefloat@odd@page}{true}%
2928     \else%
2929       \setboolean{@bidituftefloat@odd@page}{false}%
2930     \fi%
2931   }%
2932 }
2933 \newlength{\@bidituftefloat@overhang}% used by the fullwidth environment and the running head
2934 \newlength{\@bidituftefloat@fullwidth}
2935 \newlength{\@bidituftefloat@caption@fill}
2936 \newcommand{\bidituftefloatRecalculate}{%
2937   \setlength{\@bidituftefloat@overhang}{\marginparwidth}

```

```

2938 \addtolength{\@biditytfloat@overhang}{\marginparsep}
2939
2940 \setlength{\@biditytfloat@fullwidth}{\textwidth}
2941 \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
2942 \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
2943
2944 \setlength{\@biditytfloat@caption@fill}{\textwidth}
2945 \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
2946 }
2947 \AtBeginDocument{\biditytfloatRecalculate}
2948 \RequirePackage{optparams}% provides multiple optional arguments for commands
2949 \RequirePackage{placeins}
2950 \newsavebox{\@biditytfloat@margin@floatbox}
2951 \newenvironment{\@biditytfloat@margin@float}[2][-1.2ex]%
2952 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order}
2953 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
2954 \begin{minipage}{\marginparwidth}%
2955 \@biditytfloat@caption@font%
2956 \def\@capttype{#2}%
2957 \hbox{\vspace*{#1}%
2958 \@biditytfloat@caption@justification%
2959 \@biditytfloat@margin@par%
2960 \noindent%
2961 }
2962 {\end{minipage}%
2963 \end{lrbox}%
2964 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
2965 }
2966 \newenvironment{marginfigure}[1][-1.2ex]%
2967 {\begin{\@biditytfloat@margin@float}[#1]{figure}}
2968 {\end{\@biditytfloat@margin@float}}
2969 \newenvironment{margintable}[1][-1.2ex]%
2970 {\begin{\@biditytfloat@margin@float}[#1]{table}}
2971 {\end{\@biditytfloat@margin@float}}
2972 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
2973
2974 \newcommand{\@biditytfloat@float@debug@info}{% contains debug info generated as the float is processed
2975 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
2976 \ifthenelse{\equal{\@biditytfloat@float@debug@info}{}}{
2977 {\def\@biditytfloat@float@debug@info{#1}}%
2978 {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
2979 }
2980 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
2981 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug{setfloatalignment: #1}}
2982 \newboolean{\@biditytfloat@float@recto}
2983 \newcommand{\forcerectofloat}{\gsetboolean{\@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{forcerectofloat}}
2984 \newcommand{\forceversofloat}{\gsetboolean{\@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{forceversofloat}}
2985 \newsavebox{\@biditytfloat@figure@box}
2986 \newsavebox{\@biditytfloat@caption@box}
2987 \let\@biditytfloat@orig@float\@float

```

```

2988 \let\@biditytfloat@orig@endfloat\end@float
2989 \newlength{\@biditytfloat@caption@vertical@offset}
2990 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
2991 \newcommand{\@biditytfloat@stored@shortcaption}{\}
2992 \newcommand{\@biditytfloat@stored@caption}{\}
2993 \newcommand{\@biditytfloat@stored@label}{\}
2994 \long\def\@biditytfloat@caption[#1][#2]#3{%
2995   \ifthenelse{\isempty{#1}}{%
2996     {\gdef\@biditytfloat@stored@shortcaption{#3}}%
2997     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
2998   \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to l
2999   \gdef\@biditytfloat@stored@caption{#3}%
3000 }
3001 \newcommand{\@biditytfloat@label}[1]{\}
3002 \gdef\@biditytfloat@stored@label{#1}%
3003 }
3004 \newcommand{\@biditytfloat@fps}{\}
3005 \newboolean{\@biditytfloat@float@star}
3006 \newlength{\@biditytfloat@float@contents@width}
3007 \newenvironment{\@biditytfloat@float}[3][htbp]%
3008   {% begin \@biditytfloat@float
3009     % Should this float be full-width or just text-width?
3010     \ifthenelse{\equal{#3}{star}}{%
3011       {\gsetboolean{\@biditytfloat@float@star}{true}}%
3012       {\gsetboolean{\@biditytfloat@float@star}{false}}%
3013     % Check page side (recto/verso) and store detected value -- can be overridden in environme
3014     \@biditytfloat@checkoddpage%
3015     \ifthenelse{\boolean{\@biditytfloat@odd@page}}{%
3016       {\gsetboolean{\@biditytfloat@float@recto}{true}}\@biditytfloat@float@debug{Detected p
3017       {\gsetboolean{\@biditytfloat@float@recto}{false}}\@biditytfloat@float@debug{Detected
3018     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages,
3019     \renewcommand{\@biditytfloat@fps}{#1}%
3020     \@biditytfloat@float@debug{Allowed positions: [ #1 ]}%
3021     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
3022       {\renewcommand{\floatalignment}{b}}\@biditytfloat@float@debug{Presumed position: [bott
3023       {\renewcommand{\floatalignment}{t}}\@biditytfloat@float@debug{Presumed position: [top]
3024     % Capture the contents of the \caption and \label commands to use later
3025     \global\let\@biditytfloat@orig@caption\caption%
3026     \global\let\@biditytfloat@orig@label\label%
3027     \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[ ][Opt]}}%
3028     \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
3029     % Handle subfigure package compatibility
3030     \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
3031       % don't move the label while inside a \subfigure or \subtable command
3032       \global\let\label\@biditytfloat@orig@label%
3033     }{\}% subfigure package is not loaded
3034     \@biditytfloat@orig@float{#2}[#1]%
3035     \ifthenelse{\boolean{\@biditytfloat@float@star}}{%
3036       {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
3037       {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%

```

```

3038 \begin{lrbox}{\@bittuftefloat@figure@box}%
3039 \begin{minipage}[\floatalignment]{\@bittuftefloat@float@contents@width}\hbox{}%
3040 }{% end @bittuftefloat@float
3041 \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% al
3042 \end{minipage}%
3043 \end{lrbox}%
3044 % build the caption box
3045 \begin{lrbox}{\@bittuftefloat@caption@box}%
3046 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
3047 \ifthenelse{\NOT\equal{\@bittuftefloat@stored@caption}{}}{\@bittuftefloat@orig@capt
3048 \ifthenelse{\NOT\equal{\@bittuftefloat@stored@label}{}}{\@bittuftefloat@orig@label%
3049 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
3050 \end{minipage}%
3051 \end{lrbox}%
3052 % now typeset the stored boxes
3053 \begin{fullwidth}%
3054 \begin{minipage}[\floatalignment]{\linewidth}%
3055 \ifthenelse{\boolean{@bittuftefloat@float@star}}%
3056 {\@bittuftefloat@float@fullwidth[\@bittuftefloat@caption@vertical@offset]{\@bitt
3057 {\@bittuftefloat@float@textwidth[\@bittuftefloat@caption@vertical@offset]{\@bitt
3058 \end{minipage}%
3059 \end{fullwidth}%
3060 \@bittuftefloat@orig@endfloat% end original LaTeX float environment
3061 % output debug info
3062 \ifthenelse{\boolean{@bittuftefloat@debug}}{%
3063 \typeout{^^J^^J----- bittuftefloat package float information -----}%
3064 \ifthenelse{\equal{\@bittuftefloat@stored@label}{}}%
3065 {\typeout{Warning: Float unlabeled!}}%
3066 {\typeout{Float label: [\@bittuftefloat@stored@label]}}%
3067 \typeout{Page number: [\thepage]}%
3068 \def\MessageBreak{^^J}%
3069 \typeout{\@bittuftefloat@float@debug@info}%
3070 \ifthenelse{\boolean{@bittuftefloat@symmetric}}%
3071 {\typeout{Symmetric: [true]}}%
3072 {\typeout{Symmetric: [false]}}%
3073 \typeout{-----^^J^^J}%
3074 }{}%
3075 % reset commands and temp boxes and captions
3076 \gdef\@bittuftefloat@float@debug@info{}%
3077 \let\caption\@bittuftefloat@orig@caption%
3078 \let\label\@bittuftefloat@orig@label%
3079 \begin{lrbox}{\@bittuftefloat@figure@box}\hbox{}\end{lrbox}%
3080 \begin{lrbox}{\@bittuftefloat@caption@box}\hbox{}\end{lrbox}%
3081 \gdef\@bittuftefloat@stored@shortcaption{}%
3082 \gdef\@bittuftefloat@stored@caption{}%
3083 \gdef\@bittuftefloat@stored@label{}%
3084 \gsetlength{\@bittuftefloat@caption@vertical@offset}{0pt}% reset caption offset
3085 }
3086 \newcommand{\@bittuftefloat@float@textwidth}[3][0pt]{%
3087 \ifthenelse{\NOT\boolean{@bittuftefloat@symmetric}}\OR\boolean{@bittuftefloat@float@recto}

```

```

3088 % asymmetric or page is odd, so caption is on the right
3089 \hbox{%
3090   \usebox{#2}%
3091   \hspace{\marginparsep}%
3092   \smash{\raisebox{#1}{\usebox{#3}}}%
3093 }
3094 \@bituftefloat@float@debug{Caption position: [right]]%
3095 }{% symmetric pages and page is even, so caption is on the left
3096   \hbox{%
3097     \smash{\raisebox{#1}{\usebox{#3}}}%
3098     \hspace{\marginparsep}%
3099     \usebox{#2}%
3100   }
3101   \@bituftefloat@float@debug{Caption position: [left]]%
3102 }%
3103 }
3104 \newcommand{\@bituftefloat@float@fullwidth}[3][Opt]{%
3105   \ifthenelse{\equal{\floatalignment}{b}}{%
3106     {% place caption above figure
3107       \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@right}}%
3108       {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bituftefloat@float@debug{Caption position: [right]]}%
3109       {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bituftefloat@float@debug{Caption position: [right]]}%
3110     }{% place caption below figure
3111       \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@right}}%
3112       {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bituftefloat@float@debug{Caption position: [left]]}%
3113       {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bituftefloat@float@debug{Caption position: [left]]}%
3114     }%
3115   }
3116 \renewenvironment{figure}[1][htbp]%
3117   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{}}
3118   {\end{@bituftefloat@float}}
3119 \renewenvironment{table}[1][htbp]
3120   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{}}
3121   {\end{@bituftefloat@float}}
3122 \renewenvironment{figure*}[1][htbp]%
3123   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{star}}
3124   {\end{@bituftefloat@float}}
3125 \renewenvironment{table*}[1][htbp]%
3126   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{star}}
3127   {\end{@bituftefloat@float}}
3128 \newenvironment{fullwidth}
3129   {\ifthenelse{\boolean{@bituftefloat@symmetric}}%
3130     {\ifthenelse{\boolean{@bituftefloat@changepage}}{\begin{adjustwidth*}}{-\@bituftefloat@overhang}}%
3131     {\begin{adjustwidth*}}{-\@bituftefloat@overhang}}%
3132   }%
3133   {\ifthenelse{\boolean{@bituftefloat@symmetric}}%
3134     {\ifthenelse{\boolean{@bituftefloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
3135     {\end{adjustwidth}}}%
3136 }
3137 \long\def\@caption#1[#2]#3{%

```

```

3138 \par%
3139 \addcontentsline{\csname ext@#1\endcsname}{#1}%
3140   {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
3141 \begingroup%
3142   \@parboxrestore%
3143   \if@minipage%
3144     \@setminipage%
3145   \fi%
3146   \@bituftefloat@caption@font\@bituftefloat@caption@justification%
3147   \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
3148   %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
3149 \endgroup}
3150 %%
3151 % Turns newlines into spaces. Based on code from the 'titlesec' package.
3152 \DeclareRobustCommand{\@bituftetheading@newlinetospace}{%
3153   \ifstar{\@bituftetheading@newlinetospace@i}{\@bituftetheading@newlinetospace@i}%
3154 }
3155 \def\@bituftetheading@newlinetospace@i{%
3156   \ifdim\lastskip>\z@\else\space\fi
3157   \ignorespaces%
3158 }
3159 \DeclareRobustCommand{\newlinetospace}[1]{%
3160   \let\@bituftetheading@orig@cr\\% save the original meaning of \\
3161   \def\\{\@bituftetheading@newlinetospace}% turn \\ and \\* into \space
3162   \let\newline\\% turn \newline into \space
3163   #1%
3164   \let\\ \@bituftetheading@orig@cr% revert to original meaning of \\
3165 }
3166 \RequirePackage{fancyhdr}
3167 \pagestyle{fancy}
3168 \AtBeginDocument{%
3169   \ifthenelse{\boolean{@bituftefloat@symmetric}}{
3170     {\fancyhfoffset[LE,RO]{\@bituftefloat@overhang}}
3171     {\fancyhfoffset[RE,RO]{\@bituftefloat@overhang}}
3172 }
3173 % The running heads/feet don't have rules
3174 \renewcommand{\headrulewidth}{0pt}
3175 \renewcommand{\footrulewidth}{0pt}
3176 % The 'fancy' page style is the default style for all pages.
3177 \fancyhf{} % clear header and footer fields
3178   \ifthenelse{\boolean{@bituftefloat@symmetric}}{
3179     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
3180     \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
3181     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
3182 % The 'plain' page style is used on chapter opening pages.
3183 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
3184 % bottom of pages -- the folios are unexpressed.
3185 \fancypagestyle{plain}{
3186   \fancyhf{} % clear header and footer fields
3187   % Uncomment the following five lines of code if you want the opening page

```

```

3188 % of the chapter to express the folio in the lower outside corner.
3189 % \ifthenelse{\boolean{@biditytfloat@symmetric}}
3190 % {\fancyfoot[LE,RO]{\thepage}}
3191 % {\fancyfoot[RE,RO]{\thepage}}
3192 }
3193 % The 'empty' page style suppresses all headers and footers.
3194 % It's used on title pages and 'intentionally blank' pages.
3195 \fancypagestyle{empty}{
3196   \fancyhf{} % clear header and footer fields
3197 }
3198 \def\morefloats{% provides a total of 52 floats
3199   \ifthenelse{\isundefined{\bx@S}}{%
3200     \biditytfloatDebugInfoNL{Adding 34 more float slots.}
3201     \newinsert\bx@S
3202     \newinsert\bx@T
3203     \newinsert\bx@U
3204     \newinsert\bx@V
3205     \newinsert\bx@W
3206     \newinsert\bx@X
3207     \newinsert\bx@Y
3208     \newinsert\bx@Z
3209     \newinsert\bx@a
3210     \newinsert\bx@b
3211     \newinsert\bx@c
3212     \newinsert\bx@d
3213     \newinsert\bx@e
3214     \newinsert\bx@f
3215     \newinsert\bx@g
3216     \newinsert\bx@h
3217     \newinsert\bx@i
3218     \newinsert\bx@j
3219     \newinsert\bx@k
3220     \newinsert\bx@l
3221     \newinsert\bx@m
3222     \newinsert\bx@n
3223     \newinsert\bx@o
3224     \newinsert\bx@p
3225     \newinsert\bx@q
3226     \newinsert\bx@r
3227     \newinsert\bx@s
3228     \newinsert\bx@t
3229     \newinsert\bx@u
3230     \newinsert\bx@v
3231     \newinsert\bx@w
3232     \newinsert\bx@x
3233     \newinsert\bx@y
3234     \newinsert\bx@z
3235     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
3236                   \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
3237                   \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N

```

```

3238         \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
3239         \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
3240         \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
3241         \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
3242         \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
3243         \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
3244         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
3245         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
3246         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
3247 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
3248 \ifthenelse{\isundefined{\bx@AA}}{%
3249     \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
3250     \newinsert\bx@AA
3251     \newinsert\bx@BB
3252     \newinsert\bx@CC
3253     \newinsert\bx@DD
3254     \newinsert\bx@EE
3255     \newinsert\bx@FF
3256     \newinsert\bx@GG
3257     \newinsert\bx@HH
3258     \newinsert\bx@II
3259     \newinsert\bx@JJ
3260     \newinsert\bx@KK
3261     \newinsert\bx@LL
3262     \newinsert\bx@MM
3263     \newinsert\bx@NN
3264     \newinsert\bx@OO
3265     \newinsert\bx@PP
3266     \newinsert\bx@QQ
3267     \newinsert\bx@RR
3268     \newinsert\bx@SS
3269     \newinsert\bx@TT
3270     \newinsert\bx@UU
3271     \newinsert\bx@VV
3272     \newinsert\bx@WW
3273     \newinsert\bx@XX
3274     \newinsert\bx@YY
3275     \newinsert\bx@ZZ
3276 \gdef\@freelist{\@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
3277     \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
3278     \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
3279     \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
3280     \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
3281     \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
3282     \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
3283     \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
3284     \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
3285     \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
3286     \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
3287     \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z

```



```

3288 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
3289 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
3290 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
3291 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
3292 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
3293 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
3294 }{%
3295 \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageE
3296 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\
3297 }%
3298 }%
3299 }
3300 \newboolean{@biditytfloat@packages@subfigure}
3301 \setboolean{@biditytfloat@packages@subfigure}{false}
3302 \AtBeginDocument{%
3303 \@ifpackageloaded{subfigure}
3304 {\gsetboolean{@biditytfloat@packages@subfigure}{true}}
3305 {\gsetboolean{@biditytfloat@packages@subfigure}{false}}%
3306 }
3307 \AtBeginDocument{%
3308 \@ifpackageloaded{float}{%
3309 % Save the redefined float environment (instead of the LaTeX float environment)
3310 \let\@biditytfloat@orig@float\@float
3311 \let\@biditytfloat@orig@endfloat\endfloat
3312
3313 % Define Tuftian float styles (with the caption in the margin)
3314 \newcommand{\floatc@biditytfloatplain}[2]{%
3315 \begin{lrbox}{\@biditytfloat@caption@box}%
3316 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
3317 \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
3318 \end{minipage}%
3319 \end{lrbox}%
3320 \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
3321 }
3322 \newcommand{\fs@biditytfloatplain}{%
3323 \def\@fs@cfont{\@biditytfloat@caption@font}%
3324 \let\@fs@capt\floatc@biditytfloatplain%
3325 \def\@fs@pre{%
3326 \def\@fs@post{%
3327 \def\@fs@mid{%
3328 \let\@fs@iftopcapt\iftrue%
3329 }
3330 \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
3331 \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
3332 \newcommand\floatc@biditytfloatruled[2]{%
3333 {\@fs@cfont #1} #2\par%
3334 }
3335 \newcommand\fs@biditytfloatruled{%
3336 \def\@fs@cfont{\@biditytfloat@caption@font}%
3337 \let\@fs@capt\floatc@biditytfloatplain%

```

```

3338     \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
3339     \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
3340     \def\@fs@mid{}%
3341     \let\@fs@iftopcapt\iftrue%
3342 }
3343 \newcommand\fs@biditytfloatboxed{%
3344     \def\@fs@cfont{}%
3345     \let\@fs@capt\floatc@biditytfloatplain%
3346     \def\@fs@pre{%
3347         \setbox\@currbox\vbox{\hbadness10000
3348         \moveleft3.4pt\vbox{\advance\hsize by6.8pt
3349         \hrule \hbox to\hsize{\vrule\kern3pt
3350             \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
3351     }%
3352     \def\@fs@mid{\kern2pt}%
3353     \def\@fs@post{}%
3354     \let\@fs@iftopcapt\iftrue%
3355 }
3356 }{%
3357     % Nothing to do
3358 }
3359 }
3360 \AtBeginDocument{%
3361     \@ifpackageloaded{algorithm}{%
3362         % Set the float style to the Tufte version
3363         \ifthenelse{\equal{\ALG@floatstyle}{plain}}{\OR\equal{\ALG@floatstyle}{ruled}}{\OR\equal{\ALG@floatstyle}{ALG}}
3364         \biditytfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak
3365         \floatstyle{biditytfloat\ALG@floatstyle}%
3366         \restylefloat{algorithm}%
3367     }{}%
3368 }{%
3369     % Nothing to do
3370 }
3371 }
3372 \PassOptionsToPackage{caption=false}{subfig}

```

7.21 biditytfloatsidenote.sty

```

3373 \NeedsTeXFormat{LaTeX2e}
3374 \ProvidesPackage{biditytfloatsidenote}[2011/06/17 v0.1
3375 bidi implementation of tufte sidenote]
3376 \RequirePackage{xifthen}
3377 \RequirePackage{ragged2e}
3378 \RequirePackage{setspace}
3379 \RequirePackage{hopatch}
3380 \def\biditytfloatsidenotemarginpar{%
3381     \ifhmode
3382         \@bsphack
3383         \@floatpenalty -\@Mii
3384     \else

```

```

3385 \floatpenalty-\@Miii
3386 \fi
3387 \ifinner
3388 \parmoderr
3389 \floatpenalty\z@
3390 \else
3391 \next\@currbox\@freelist{}{}%
3392 \next\@marbox\@freelist{\global\count\@marbox\m@ne}%
3393 {\floatpenalty\z@
3394 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
3395 \fi
3396 \ifnextchar [\@biditytesidenotexmpar\@biditytesidenoteypar}
3397 \long\def\@biditytesidenotexmpar[#1]#2{%
3398 \@biditytesidenotesavemarbox\@marbox{#1}%
3399 \@biditytesidenotesavemarbox\@currbox{#2}%
3400 \xympar}
3401 \long\def\@biditytesidenoteypar#1{%
3402 \@biditytesidenotesavemarbox\@marbox{#1}%
3403 \global\setbox\@currbox\copy\@marbox
3404 \xympar}
3405 \long\def \@biditytesidenotesavemarbox #1#2{%
3406 \global\setbox #1%
3407 \color@vbox
3408 \vtop{%
3409 \hsize\marginparwidth
3410 \@parboxrestore
3411 \@biditytesidenotemarginparreset
3412 #2%
3413 \@minipagefalse
3414 \outer@nobreak
3415 }%
3416 \color@endbox
3417 }
3418 \def \@biditytesidenotemarginparreset {%
3419 \reset@font
3420 \normalsize
3421 \@minipagetrue
3422 \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
3423 }
3424 \def\LTRbiditytesidenotemarginpar{%
3425 \ifhmode
3426 \bsphack
3427 \floatpenalty -\@Mii
3428 \else
3429 \floatpenalty-\@Miii
3430 \fi
3431 \ifinner
3432 \parmoderr
3433 \floatpenalty\z@
3434 \else

```

```

3435 \@next\@currbox\@freelist{}{}%
3436 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
3437 {\@floatpenalty\z@
3438 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
3439 \fi
3440 \ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
3441 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
3442 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
3443 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
3444 \@xympar}
3445 \long\def\@LTRbidityftesidenoteympar#1{%
3446 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
3447 \global\setbox\@currbox\copy\@marbox
3448 \@xympar}
3449 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
3450 \global\setbox #1%
3451 \color@vbox
3452 \vtop{%
3453 \hsize\marginparwidth
3454 \@parboxrestore
3455 \@LTRbidityftesidenotemarginparreset
3456 #2%
3457 \@minipagefalse
3458 \outer@nobreak
3459 }%
3460 \color@endbox
3461 }
3462 \def \@LTRbidityftesidenotemarginparreset {%
3463 \reset@font
3464 \normalsize
3465 \@minipagetrue
3466 \everypar{\@minipagefalse\everypar{}\beginL}%
3467 }
3468 \def\RTLbidityftesidenotemarginpar{%
3469 \ifhmode
3470 \@bsphack
3471 \@floatpenalty -\@Mii
3472 \else
3473 \@floatpenalty-\@Miii
3474 \fi
3475 \ifinner
3476 \@parmoderr
3477 \@floatpenalty\z@
3478 \else
3479 \@next\@currbox\@freelist{}{}%
3480 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
3481 {\@floatpenalty\z@
3482 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
3483 \fi
3484 \ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}

```

```

3485 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
3486   \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
3487   \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
3488   \@xympar}
3489 \long\def\@RTLbidityftesidenoteympar#1{%
3490   \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
3491   \global\setbox\@currbox\copy\@marbox
3492   \@xympar}
3493 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
3494   \global\setbox #1%
3495     \color@vbox
3496     \vtop{%
3497       \hsize\marginparwidth
3498       \@parboxrestore
3499       \@RTLbidityftesidenotemarginparreset
3500       #2%
3501       \@minipagefalse
3502       \outer@nobreak
3503     }%
3504   \color@endbox
3505 }
3506 \def \@RTLbidityftesidenotemarginparreset {%
3507   \reset@font
3508   \normalsize
3509   \@minipagetrue
3510   \everypar{\@minipagefalse\everypar{}\beginR}%
3511 }
3512 \newcommand{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
3513 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
3514 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
3515 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
3516 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
3517 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
3518 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
3519 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@au}
3520 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@au}
3521 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@au}
3522 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
3523 \newcommand{\@bidityftesidenote@margin@par}{%
3524   \setlength{\RaggedRightParindent}{0.5pc}%
3525   \setlength{\JustifyingParindent}{0.5pc}%
3526   \setlength{\parindent}{0.5pc}%
3527   \setlength{\parskip}{0pt}%
3528 }
3529 %%
3530 % Globally sets the length
3531 \ifundefined{gsetlength}{%
3532 \newcommand*{gsetlength}[2]{%
3533   \setlength{#1}{#2}%
3534   \global#1=#1\relax%

```

```

3535 }%
3536 {}
3537 %%
3538 % Globally sets a boolean
3539 \@ifundefined{gsetboolean}{%
3540 \newcommand*{gsetboolean}[2]{% based on code from ifthen pkg
3541 \lowercase{\def\@tempa{#2}}%
3542 \@ifundefined{@tempa\@tempa}%
3543 {\PackageError{ifthen}{You can only set a boolean to 'true' or 'false'}\@ehc}%
3544 {\@ifundefined{#1\@tempa}%
3545 {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
3546 {\global\csname#1\@tempa\endcsname}%
3547 }%
3548 }%
3549 {}
3550 %%
3551 % A function that removes leading and trailing spaces from the supplied macro.
3552 % Based on code written by Michael Downes (See 'Around the Bend', #15.)
3553 % Executing \@biditytesidenote@trim@spaces\xyzy will result in the contents of \xyzy
3554 % being trimmed of leading and trailing white space.
3555 \catcode'\Q=3
3556 \def\@biditytesidenote@trim@spaces#1{%
3557 % Use grouping to emulate a multi-token afterassignment queue
3558 \begingroup%
3559 % Put '\toks 0 {' into the afterassignment queue
3560 \aftergroup\toks\aftergroup0\aftergroup{%
3561 % Apply \trimb to the replacement text of #1, adding a leading
3562 % \noexpand to prevent brace stripping and to serve another purpose
3563 % later.
3564 \expandafter\@biditytesidenote@trim@b\expandafter\noexpand#1Q Q}%
3565 % Transfer the trimmed text back into #1.
3566 \edef#1{\the\toks0}%
3567 }
3568 % \trimb removes a trailing space if present, then calls \@biditytesidenote@trim@c to
3569 % clean up any leftover bizarre Qs, and trim a leading space. In
3570 % order for \trimc to work properly we need to put back a Q first.
3571 \def\@biditytesidenote@trim@b#1 Q{\@biditytesidenote@trim@c#1Q}
3572 % Execute \vfuzz assignment to remove leading space; the \noexpand
3573 % will now prevent unwanted expansion of a macro or other expandable
3574 % token at the beginning of the trimmed text. The \endgroup will feed
3575 % in the \aftergroup tokens after the \vfuzz assignment is completed.
3576 \def\@biditytesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
3577 \catcode'\Q=11
3578 %%
3579 % Citations should go in the margin as sidenotes
3580
3581 \RequirePackage{natbib}
3582 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography envi
3583 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
3584 \renewcommand\BR@b@bibitem[2][]{%

```

```

3585 \ifthenelse{\isempty{#1}}%
3586   {\BR@bibitem{#2}}%
3587   {\BR@bibitem{#1}{#2}}%
3588 \BR@c@bibitem{#2}%
3589 }
3590 \nobibliography*           % pre-loads the bibliography keys
3591 %%
3592 % Normal \cite behavior
3593 \newcounter{@biduftesidenote@num@bibkeys}%
3594 \newcommand{\@biduftesidenote@normal@cite}[2][Opt]{%
3595   % Snag the last bibentry in the list for later comparison
3596   \let\@temp@last@bibkey\@empty%
3597   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
3598   \sidenote[] [#1]{%
3599     % Loop through all the bibentries, separating them with semicolons and spaces
3600     \normalsize\normalfont\@biduftesidenote@citation@font%
3601     \setcounter{@biduftesidenote@num@bibkeys}{0}%
3602     \@for\@temp@bibkeyx:=#2\do{%
3603       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
3604         {\ifthenelse{\equal{value{@biduftesidenote@num@bibkeys}}{0}}{\and\ }%
3605           \@biduftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
3606           \bibentry{\@temp@bibkeyx}}%
3607         {\@biduftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
3608           \bibentry{\@temp@bibkeyx};\ }%
3609       \stepcounter{@biduftesidenote@num@bibkeys}%
3610     }%
3611   }%
3612 }
3613 %%
3614 % Macros for holding the list of cite keys until after the \sidenote
3615 \gdef\@biduftesidenote@citations{}% list of cite keys
3616 \newcommand\@biduftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
3617   \ifx\@biduftesidenote@citations\@empty\else
3618     \g@addto@macro\@biduftesidenote@citations{,}% separate by commas
3619   \fi
3620   \g@addto@macro\@biduftesidenote@citations{#1}
3621 }
3622 \newcommand{\@biduftesidenote@print@citations}[1][Opt]{% puts the citations in a margin not
3623   % Snag the last bibentry in the list for later comparison
3624   \let\@temp@last@bibkey\@empty%
3625   \@for\@temp@bibkey:=\@biduftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
3626   \marginpar{%
3627     \hbox{}\vspace*{#1}%
3628     \@biduftesidenote@citation@font%
3629     \@biduftesidenote@citation@justification%
3630     \@biduftesidenote@margin@par% use parindent and parskip settings for marginal text
3631     \vspace*{-1\baselineskip}%
3632     % Loop through all the bibentries, separating them with semicolons and spaces
3633     \setcounter{@biduftesidenote@num@bibkeys}{0}%
3634     \@for\@temp@bibkeyx:=\@biduftesidenote@citations\do{%

```

```

3635 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
3636 {\ifthenelse{\equal{\value{@bituftesidenote@num@bibkeys}}{0}}{\and\ }%
3637 \@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
3638 \bibentry{\@temp@bibkeyx}}%
3639 {\@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
3640 \bibentry{\@temp@bibkeyx};\ }%
3641 \stepcounter{@bituftesidenote@num@bibkeys}%
3642 }%
3643 }%
3644 }
3645 %%
3646 % \cite behavior when executed within a sidenote
3647 \newcommand{\@bituftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
3648 \newcommand{\@bituftesidenote@infootnote@cite}[1]{%
3649 \@bituftesidenote@add@citation{#1}
3650 }
3651 %%
3652 % Set the default \cite style. This is set and reset by the \sidenote command.
3653 \let\cite\@bituftesidenote@normal@cite
3654 %%
3655 % Transform existing \footnotes into \sidenotes
3656 % Sidenote: ‘Where God meant footnotes to go.’ ---bituftesidenote
3657 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
3658 \providecommand{\footnotelayout}{\@bituftesidenote@sidenote@font\@bituftesidenote@sidenote@font}
3659 \renewcommand{\footnotelayout}{\@bituftesidenote@sidenote@font\@bituftesidenote@sidenote@font}
3660 % Override footmisc’s definition to set the sidenote marks (numbers) inside the
3661 % sidenote’s text block.
3662 \hopatch@AfterPackage{bidi}{\long\def\@makefntext#1{\@textsuperscript{\@bituftesidenote@sidenote@font}#1}}
3663 % Set the in-text footnote mark in the same typeface as the body text itself.
3664 \hopatch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bituftesidenote@sidenote@font}#1}}}
3665 \providecommand*\multiplefootnotemarker{3sp}
3666 \providecommand*\multfootsep{,}
3667 \hopatch@AfterPackage{bidi}{%
3668 \renewcommand{\@footnotemark}{%
3669 \leavevmode%
3670 \ifhmode%
3671 \edef\@x@sf{\the\spacefactor}%
3672 \@bituftesidenote@check@multiple@sidenotes%
3673 \nobreak%
3674 \fi%
3675 \@makefnmark%
3676 \ifhmode\spacefactor\@x@sf\fi%
3677 \relax%
3678 }%
3679 }
3680 \newcommand{\@bituftesidenote@check@multiple@sidenotes}{%
3681 \ifdim\lastkern=\multiplefootnotemarker\relax%
3682 \edef\@x@sf{\the\spacefactor}%
3683 \unkern%
3684 \textsuperscript{\multfootsep}%

```



```

3685     \spacefactor\@x@sf\relax%
3686   \fi
3687 }
3688 \hopatch@AfterPackage{bidi}{%
3689 \renewcommand\@footnotetext[2][Opt]{%
3690   \bidityftesidenotemarginpar{%
3691     \hbox{}\vspace*{#1}%
3692     \def\baselinestretch {\setspace@singlespace}%
3693     \reset@font\footnotesize%
3694     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
3695     \vspace*{-1\baselineskip}\noindent%
3696     \protected@edef\@currentlabel{%
3697       \csname p@footnote\endcsname\@thefnmark%
3698     }%
3699     \color@begingroup%
3700       \makefntext{%
3701         \ignorespaces#2%
3702       }%
3703     \color@endgroup%
3704   }%
3705 }%
3706 \renewcommand\@LTRfootnotetext[2][Opt]{%
3707   \LTRbidityftesidenotemarginpar{%
3708     \hbox{}\vspace*{#1}%
3709     \def\baselinestretch {\setspace@singlespace}%
3710     \reset@font\footnotesize%
3711     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
3712     \vspace*{-1\baselineskip}\noindent%
3713     \protected@edef\@currentlabel{%
3714       \csname p@footnote\endcsname\@thefnmark%
3715     }%
3716     \color@begingroup%
3717       \makefntext{%
3718         \ignorespaces#2%
3719       }%
3720     \color@endgroup%
3721   }%
3722 }%
3723 \renewcommand\@RTLfootnotetext[2][Opt]{%
3724   \RTLbidityftesidenotemarginpar{%
3725     \hbox{}\vspace*{#1}%
3726     \def\baselinestretch {\setspace@singlespace}%
3727     \reset@font\footnotesize%
3728     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
3729     \vspace*{-1\baselineskip}\noindent%
3730     \protected@edef\@currentlabel{%
3731       \csname p@footnote\endcsname\@thefnmark%
3732     }%
3733     \color@begingroup%
3734       \makefntext{%

```

```

3735         \ignorespaces#2%
3736     }%
3737     \color@endgroup%
3738 }%
3739 }%
3740 }
3741 %
3742 % Define \sidenote command. Can handle \cite.
3743 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
3744 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
3745 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
3746 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
3747     \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
3748     \gdef\@bidityftesidenote@citations{}%            clear out any old citations
3749     \ifthenelse{\NOT\isempty{#2}}{%
3750         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
3751     }{%
3752         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
3753     }%
3754     \ifthenelse{\isempty{#1}}{%
3755         % no specific footnote number provided
3756         \stepcounter\@mpfn%
3757         \protected@xdef\@thefnmark{\thempfn}%
3758         \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3759     }{%
3760         % specific footnote number provided
3761         \begingroup%
3762             \csname c@\@mpfn\endcsname #1\relax%
3763             \unrestored@protected@xdef\@thefnmark{\thempfn}%
3764         \endgroup%
3765         \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3766     }%
3767     \@bidityftesidenote@print@citations%            print any citations
3768     \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
3769     \unskip\ignorespaces%                            remove extra white space
3770     \kern-\multiplefootnotemarker%                    remove \kern left behind by sidenote
3771     \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
3772 }
3773 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
3774     \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
3775     \gdef\@bidityftesidenote@citations{}%            clear out any old citations
3776     \ifthenelse{\NOT\isempty{#2}}{%
3777         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
3778     }{%
3779         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
3780     }%
3781     \ifthenelse{\isempty{#1}}{%
3782         % no specific footnote number provided
3783         \stepcounter\@mpfn%
3784         \protected@xdef\@thefnmark{\thempfn}%

```

```

3785 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3786 }{%
3787 % specific footnote number provided
3788 \begingroup%
3789 \csname c@\@mpfn\endcsname #1\relax%
3790 \unrestored@protected@xdef\@thefnmark{\thempfn}%
3791 \endgroup%
3792 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3793 }%
3794 \@bidityftesidenote@print@citations% print any citations
3795 \let\cite\@bidityftesidenote@normal\cite% go back to using normal in-text \cite command
3796 \unskip\ignorespaces% remove extra white space
3797 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
3798 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
3799 }
3800 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
3801 \let\cite\@bidityftesidenote@infootnote\cite% use the in-sidenote \cite command
3802 \gdef\@bidityftesidenote@citations{}% clear out any old citations
3803 \ifthenelse{\NOT\isempty{#2}}{%
3804 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
3805 }{%
3806 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
3807 }%
3808 \ifthenelse{\isempty{#1}}{%
3809 % no specific footnote number provided
3810 \stepcounter\@mpfn%
3811 \protected@xdef\@thefnmark{\thempfn}%
3812 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3813 }{%
3814 % specific footnote number provided
3815 \begingroup%
3816 \csname c@\@mpfn\endcsname #1\relax%
3817 \unrestored@protected@xdef\@thefnmark{\thempfn}%
3818 \endgroup%
3819 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3820 }%
3821 \@bidityftesidenote@print@citations% print any citations
3822 \let\cite\@bidityftesidenote@normal\cite% go back to using normal in-text \cite command
3823 \unskip\ignorespaces% remove extra white space
3824 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
3825 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
3826 }
3827 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
3828 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
3829 \newcommand{\RTLsidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
3830 \hopatch@AfterPackage{bidi}{%
3831 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
3832 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
3833 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
3834 }

```

```

3835 %%
3836 % Sidenote without the footnote mark
3837 \newcommand\marginnote[2][Opt]{%
3838   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
3839   \gdef\@bidityftesidenote@citations{}%          clear out any old citations
3840   \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@print@citations%
3841   \@bidityftesidenote@print@citations%            print any citations
3842   \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
3843 }
3844 \newcommand\LTRmarginnote[2][Opt]{%
3845   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
3846   \gdef\@bidityftesidenote@citations{}%          clear out any old citations
3847   \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@print@citations%
3848   \@bidityftesidenote@print@citations%            print any citations
3849   \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
3850 }
3851 \newcommand\RTLmarginnote[2][Opt]{%
3852   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
3853   \gdef\@bidityftesidenote@citations{}%          clear out any old citations
3854   \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@print@citations%
3855   \@bidityftesidenote@print@citations%            print any citations
3856   \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
3857 }

```

7.22 bidityftetoc.sty

```

3858 \NeedsTeXFormat{LaTeX2e}
3859 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
3860 bidi implementation of tuftte toc]
3861 \RequirePackage{titlesec,titletoc,xifthen,hopatch}
3862 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
3863 \newcommand{\@bidityftetoc@Error}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
3864 %%
3865 % Turn off section numbering
3866 \setcounter{secnumdepth}{-1}
3867 \newboolean{@bidityftetoc@toc}
3868 \setboolean{@bidityftetoc@toc}{true}
3869 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
3870 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
3871 \ProcessOptions
3872 %%
3873 % Make Tuftean-style section headings and TOC formatting
3874 \hopatch@AfterPackage{bidi}{%
3875   \titleformat{\chapter}%
3876     [display]% shape
3877     {\relax\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format a
3878     {\itshape\huge\thechapter}% label
3879     {Opt}% horizontal separation between label and title body
3880     {\huge\rmfamily\itshape}% before the title body
3881     [\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\end{fullwidth}}{}}% after the title

```

```

3882 \titleformat{\section}%
3883   [hang]% shape
3884   {\normalfont\Large\itshape}% format applied to label+text
3885   {\thesection}% label
3886   {1em}% horizontal separation between label and title body
3887   {}% before the title body
3888   []% after the title body
3889 \titleformat{\subsection}%
3890   [hang]% shape
3891   {\normalfont\large\itshape}% format applied to label+text
3892   {\thesubsection}% label
3893   {1em}% horizontal separation between label and title body
3894   {}% before the title body
3895   []% after the title body
3896 \titleformat{\paragraph}%
3897   [runin]% shape
3898   {\normalfont\itshape}% format applied to label+text
3899   {\theparagraph}% label
3900   {1em}% horizontal separation between label and title body
3901   {}% before the title body
3902   []% after the title body
3903 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
3904 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
3905 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
3906 }
3907 % Subsubsection and following section headings shouldn't be used.
3908 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
3909 \renewcommand\subsubsection{%
3910   \bidityftetocError{\noexpand\subsubsection is undefined by this class.%
3911     \MessageBreak See Robert Bringhurst's _The Elements of
3912     \MessageBreak Typographic Style_, section 4.2.2.
3913     \MessageBreak \noexpand\subsubsection was used}
3914     {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
3915     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the ma
3916     \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
3917 }
3918 \renewcommand\subparagraph{%
3919   \bidityftetocError{\noexpand\subparagraph is undefined by this class.%
3920     \MessageBreak See Robert Bringhurst's _The Elements of
3921     \MessageBreak Typographic Style_, section 4.2.2.
3922     \MessageBreak \noexpand\subparagraph was used}
3923     {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
3924     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the ma
3925     \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
3926 }
3927 % Formatting for main TOC (printed in front matter)
3928 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
3929 \ifthenelse{\boolean{@bidityftetoc@toc}}{%
3930   \hopatch@AfterPackage{bidi}{%
3931     \titlecontents{part}% FIXME

```

```

3932 [0em] % distance from left margin
3933 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
3934 {\contentslabel{2em}} % before w/label (label = ‘‘II’’)
3935 {} % before w/o label
3936 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
3937 [\end{fullwidth}] % after
3938 \titlecontents{chapter}%
3939 [0em] % distance from left margin
3940 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
3941 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ‘‘2’’)
3942 {\hspace*{0em}} % before w/o label
3943 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
3944 [\end{fullwidth}] % after
3945 \titlecontents{section}% FIXME
3946 [0em] % distance from left margin
3947 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
3948 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ‘‘2.6’’)
3949 {\hspace*{2em}} % before w/o label
3950 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
3951 [\end{fullwidth}] % after
3952 \titlecontents{subsection}% FIXME
3953 [0em] % distance from left margin
3954 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
3955 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ‘‘2.6.1’’)
3956 {\hspace*{4em}} % before w/o label
3957 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
3958 [\end{fullwidth}] % after
3959 \titlecontents{paragraph}% FIXME
3960 [0em] % distance from left margin
3961 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global fo
3962 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ‘‘2.6.0.0.1’’)
3963 {\hspace*{6em}} % before w/o label
3964 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
3965 [\end{fullwidth}] % after
3966 }%
3967 {}
3968 %%
3969 % Format lists of figures/tables
3970 \renewcommand\listoffigures{%
3971 \ifundefined{chapter}%
3972 {\section*{\listfigurename}}%
3973 {\chapter*{\listfigurename}}%
3974 % \begin{fullwidth}%
3975 \@starttoc{lof}%
3976 % \end{fullwidth}%
3977 }
3978 \renewcommand\listoftables{%
3979 \ifundefined{chapter}%
3980 {\section*{\listtablename}}%
3981 {\chapter*{\listtablename}}%

```

```

3982 % \begin{fullwidth}%
3983 \starttoc{lot}%
3984 % \end{fullwidth}%
3985 }
3986 \newcommand{\@bidityfttoc@lof@line}[2]{%
3987 % #1 is the figure/table number and its caption text
3988 % #2 is the page number on which the figure/table appears
3989 \leftskip 0.0em
3990 \rightskip 0em
3991 \parfillskip 0em plus 1fil
3992 \parindent 0.0em
3993 \@afterindenttrue
3994 \interlinepenalty\@M
3995 \leavevmode
3996 \@tempdima 2.0em
3997 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
3998 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
3999 {#1}\nobreak\qquad\nobreak#2%
4000 \par%
4001 }
4002 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
4003 \let\l@table\l@figure

```

7.23 bidityftgeneralstructure.sty

```

4004 \NeedsTeXFormat{LaTeX2e}
4005 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
4006 bidi implementation of tufte general structure]
4007 \renewcommand\small{%
4008 \setfontsize\small\@ixpt{12}%
4009 \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
4010 \abovedisplayshortskip \z@ \@plus2\p@
4011 \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
4012 \def\@listi{\leftmargin\leftmargini
4013 \topsep 4\p@ \@plus2\p@ \@minus2\p@
4014 \parsep 2\p@ \@plus\p@ \@minus\p@
4015 \itemsep \parsep}%
4016 \belowdisplayskip \abovedisplayskip
4017 }
4018 \renewcommand\scriptsize{\setfontsize\scriptsize\@viipt\@viipt}
4019 \renewcommand\tiny{\setfontsize\tiny\@vpt\@vpt}
4020 \renewcommand\large{\setfontsize\large\@xipt{15}}
4021 \renewcommand\Large{\setfontsize\Large\@xipt{16}}
4022 \renewcommand\LARGE{\setfontsize\LARGE\@xivpt{18}}
4023 \renewcommand\huge{\setfontsize\huge\@xxpt{30}}
4024 \renewcommand\Huge{\setfontsize\Huge{24}{36}}
4025 \setlength\leftmargini {1pc}
4026 \setlength\leftmarginii {1pc}
4027 \setlength\leftmarginiii {1pc}
4028 \setlength\leftmarginiv {1pc}

```

```

4029 \setlength\leftmarginv {1pc}
4030 \setlength\leftmarginvi {1pc}
4031 \setlength\labelsep {.5pc}
4032 \setlength\labelwidth {\leftmargini}
4033 \addtolength\labelwidth{-\labelsep}
4034 \setlength{\parindent}{1.0pc}%
4035 \setlength{\parskip}{0pt}%
4036 \RequirePackage{ragged2e}
4037 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
4038 % Paragraph indentation and separation for normal text
4039 \newcommand{\@biditytgeneralstructure@reset@par}{%
4040 \setlength{\RaggedRightParindent}{1.0pc}%
4041 \setlength{\JustifyingParindent}{1.0pc}%
4042 \setlength{\parindent}{1pc}%
4043 \setlength{\parskip}{0pt}%
4044 }
4045 \@biditytgeneralstructure@reset@par
4046 % Require paralist package for tighter lists
4047 \RequirePackage{paralist}
4048 % Add rightmargin to compactenum
4049 \def\@compactenum{%
4050 \expandafter\list\csname label\@enumctr\endcsname{%
4051 \usecounter{\@enumctr}%
4052 \rightmargin=2em% added this
4053 \parsep\plparsep
4054 \itemsep\plitemsep
4055 \topsep\pltopsep
4056 \partopsep\plpartopsep
4057 \def\makelabel##1{\hss\llap{##1}}}}
4058 %%
4059 % An environment for paragraph-style section
4060 \providecommand\newthought[1]{%
4061 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
4062 \noindent\textbf{#1}%
4063 }
4064 %%
4065 % Redefine the display environments (quote, quotation, etc.)
4066 \renewenvironment{verse}
4067 {\let\\\@centercr
4068 \list{}\itemsep \z@
4069 \itemindent -1pc%
4070 \listparindent\itemindent
4071 \rightmargin \leftmargin
4072 \advance\leftmargin 1pc}%
4073 \small%
4074 \item\relax}
4075 {\endlist}
4076 \renewenvironment{quotation}
4077 {\list{}\listparindent 1pc%
4078 \itemindent \listparindent

```



```

4079             \rightmargin \leftmargin
4080             \parsep       \z@ \@plus\p@}%
4081         \small%
4082         \item\relax\noindent\ignorespaces}
4083     {\endlist}
4084 \renewenvironment{quote}
4085     {\list{}{\rightmargin\leftmargin}%
4086     \small%
4087     \item\relax}
4088     {\endlist}
4089 % Italicize description run-in headings (instead of the default bold)
4090 \renewcommand*{\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
4091 %%
4092 % Redefine \bibsection to not mark the running heads.
4093 % (Code modified from natbib.sty.)
4094 \@ifundefined{chapter}%
4095     {\renewcommand\bibsection{\section*{\refname}}}
4096     {\@ifundefined{NAT@sectionbib}%
4097     {\renewcommand\bibsection{\chapter{\bibname}}}
4098     {\renewcommand\bibsection{\section*{\bibname}}}}
4099 \RequirePackage{multicol}
4100 \renewenvironment{theindex}{%
4101 \@ifundefined{chapter}%
4102     {\section*{\indexname}}%
4103     {\chapter{\indexname}}%
4104 \begin{fullwidth}%
4105 \small%
4106 \parskip0pt%
4107 \parindent0pt%
4108 \let\item\@idxitem%
4109 \begin{multicols}{3}%
4110 }{%
4111 \end{multicols}%
4112 \end{fullwidth}%
4113 }
4114 \AtBeginDocument{%
4115 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
4116 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
4117 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}
4118 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
4119 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

7.24 biduntfthyperref.sty

```

4120 \NeedsTeXFormat{LaTeX2e}
4121 \ProvidesPackage{biduntfthyperref}[2011/06/18 v0.1
4122 bidi implementation of tufte hyperref]
4123 %%
4124 % Color
4125 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%

```

```

4126 \newboolean{@biditytfehyperref@loadhyper}
4127 \setboolean{@biditytfehyperref@loadhyper}{true}
4128 \DeclareOption{hyper}{\setboolean{@biditytfehyperref@loadhyper}{true}}
4129 \DeclareOption{nohyper}{\setboolean{@biditytfehyperref@loadhyper}{false}}
4130 \ProcessOptions
4131 %% Loads the hyperref package and sets some default options.
4132 \newcommand{\biditytfehyperrefLoadHyperref}{%
4133 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
4134 \hypersetup{%
4135     bookmarksdepth = section,
4136     citecolor = DarkGreen,
4137     linkcolor = DarkBlue,
4138     pagecolor = DarkBlue,
4139     urlcolor = DarkGreen,
4140 }%
4141 }
4142 \ifthenelse{\boolean{@biditytfehyperref@loadhyper}}{%
4143 \biditytfehyperrefLoadHyperref%
4144 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
4145 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
4146 }

```

7.25 biditytetitle.sty

```

4147 \NeedsTeXFormat{LaTeX2e}
4148 \ProvidesPackage{biditytetitle}[2011/06/18 v0.1
4149 bidi implementation of tufte title]
4150 \RequirePackage{etoolbox}
4151 %%
4152 % 'titlepage' option -- creates a full title page with \maketitle
4153 \newboolean{@biditytetitle@titlepage}
4154 \DeclareOption{titlepage}{\setboolean{@biditytetitle@titlepage}{true}}
4155 \DeclareOption{notitlepage}{\setboolean{@biditytetitle@titlepage}{false}}
4156 % Default 'book' and 'handout' options
4157 \@ifclassloaded{book}{%
4158 \ExecuteOptions{titlepage}}{%
4159 \@ifclassloaded{article}{%
4160 \ExecuteOptions{notitlepage}}%
4161 {}}
4162 \ProcessOptions
4163 %%
4164 % Modified \title, \author, and \date commands. These store the
4165 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
4166 \newcommand{\plaintitle}{}% plain-text-only title
4167 \newcommand{\plainauthor}{}% plain-text-only author
4168 \newcommand{\plainpublisher}{}% plain-text-only publisher
4169 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
4170 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
4171 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
4172 \newcommand{\@publisher}{}% full publisher with \thanks{}

```

```

4173 \newcommand{\thedata}{\today}
4174 \hopatch@AfterPackage{bidi}{%
4175 \renewcommand{\thanks}[1]{\footnote{#1}}
4176 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
4177 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
4178 }
4179 \renewcommand{\title}[2][{}]{%
4180 \gdef\@title{#2}%
4181 \begingroup%
4182 % TODO store contents of \thanks command
4183 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4184 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4185 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4186 \protected@xdef\thanklesstitle{#2}%
4187 \endgroup%
4188 \ifthenelse{\isempty{#1}}{%
4189 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
4190 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
4191 \@ifundefined{hypersetup}%
4192 {}% hyperref is not loaded; do nothing
4193 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
4194 }
4195 \let\@author\@empty% suppress default latex.ltx ‘no author’ warning
4196 \renewcommand{\author}[2][{}]{%
4197 \ifthenelse{\isempty{#2}}{}{\gdef\@author{#2}}%
4198 \begingroup%
4199 % TODO store contents of \thanks command
4200 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4201 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4202 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4203 \protected@xdef\thanklessauthor{#2}%
4204 \endgroup%
4205 \ifthenelse{\isempty{#1}}{%
4206 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
4207 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
4208 \@ifundefined{hypersetup}%
4209 {}% hyperref is not loaded; do nothing
4210 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
4211 }
4212 \renewcommand{\date}[1]{%
4213 \gdef\@date{#1}%
4214 \begingroup%
4215 % TODO store contents of \thanks command
4216 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4217 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4218 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4219 \protected@xdef\thedata{#1}%
4220 \endgroup%
4221 }
4222 %%

```

```

4223 % Provides a \publisher command to set the publisher
4224 \newcommand{\publisher}[2][]{%
4225   \gdef\@publisher{#2}%
4226   \begingroup%
4227     \renewcommand{\thanks}[1]{}% swallow \thanks contents
4228     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4229     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4230     \protected@xdef\thanklesspublisher{#2}%
4231   \endgroup%
4232   \ifthenelse{\isempty{#1}}{
4233     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
4234     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
4235 }
4236 %%
4237 % Produces a full title page
4238 \newcommand{\maketitlepage}[0]{%
4239   \cleardoublepage%
4240   {%
4241     \bfseries%
4242     \begin{fullwidth}%
4243       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
4244       \vspace{11.5pc}%
4245       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
4246       \vfill%
4247       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
4248     \end{fullwidth}%
4249   }
4250   \thispagestyle{empty}%
4251   \clearpage%
4252 }
4253 %%
4254 % Title block
4255 \AfterEndPreamble{%
4256 \renewcommand{\maketitle}{%
4257   \newpage%
4258   \global\@topnum\z@% prevent floats from being placed at the top of the page
4259   \begingroup%
4260     \setlength{\parindent}{0pt}%
4261     \setlength{\parskip}{4pt}%
4262     \let\@title\@empty%
4263     \let\@author\@empty%
4264     \let\@date\@empty%
4265     \gdef\@title{\LARGE\itshape\@title\par}%
4266     \gdef\@author{\Large\itshape\@author\par}%
4267     \gdef\@date{\Large\itshape\@date\par}%
4268     \@title%
4269     \@author%
4270     \@date%
4271   \endgroup%
4272   \thispagestyle{plain}% suppress the running head

```

```

4273 }%
4274 }
4275 %%
4276 % Title page (if the 'titlepage' option was passed to the bidentitetitle-handout
4277 % class.)
4278 \AfterEndPreamble{%
4279 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
4280 {\renewcommand{\maketitle}{\maketitlepage}}
4281 {}
4282 }
4283 %%
4284 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
4285 % without headers and footers
4286 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
4287   \hbox{}
4288   %\vspace*{\fill}
4289   %\begin{center}
4290   % This page intentionally contains only this sentence.
4291   %\end{center}
4292   %\vspace{\fill}
4293   \thispagestyle{empty}
4294   \newpage
4295   \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

7.26 bidentifte-handout.cls

```

4296 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
4297 \ProvidesClass{bidentifte-handout}[2011/06/18 v0.1 bidentifte-handout class]
4298 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
4299 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentiftefloat}}
4300 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentiftetoc}}
4301 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentiftehyperref}}
4302 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentiftetitle}}
4303 \ProcessOptions\relax
4304 \LoadClass{article}
4305 \RequirePackage{bidentiftefloat}
4306 \RequirePackage{bidentiftesidenote}
4307 \RequirePackage{bidentiftetoc}
4308 \RequirePackage{bidentiftegeneralstructure}
4309 \RequirePackage{bidentiftehyperref}
4310 \RequirePackage{bidentiftetitle}
4311 \renewenvironment{abstract}
4312   {\begin{quotation}}
4313   {\end{quotation}}
4314 \AtBeginDocument{%
4315 \IfFileExists{bidentifte-handout.cfg}
4316   {\input{bidentifte-handout.cfg}
4317     \ClassInfo{bidentifte-handout}{Loading bidentifte-handout configuration file \@gobble}}
4318   {}%
4319 }

```

7.27 biduntfe-book.cls

```
4320 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
4321 \ProvidesClass{biduntfe-book}[2011/06/18 v0.1 biduntfe-book class]
4322 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
4323 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biduntfefloat}}
4324 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biduntfetoc}}
4325 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biduntfetheyperref}}
4326 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biduntfetttitle}}
4327 \ProcessOptions\relax
4328 \LoadClass{book}
4329 \RequirePackage{biduntfefloat}
4330 \RequirePackage{biduntfesidenote}
4331 \RequirePackage{biduntfetoc}
4332 \RequirePackage{biduntfegeneralstructure}
4333 \RequirePackage{biduntfetheyperref}
4334 \RequirePackage{biduntfetttitle}
4335 %%
4336 % Set up any book-specific stuff now
4337 %%
4338 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
4339 % to the opening page of Chapter 1. The running heads, when they appear,
4340 % contain only the (arabic) page number in the outside corner.
4341 %\newif\if@mainmatter \@mainmattertrue
4342 \renewcommand\frontmatter{%
4343   \cleardoublepage%
4344   \@mainmatterfalse%
4345   \pagenumbering{arabic}%
4346   %\pagestyle{plain}%
4347   \fancyhf{}%
4348   \ifthenelse{\boolean{@biduntfefloat@twoside}}%
4349     {\fancyhead[LE,RO]{\thepage}}%
4350     {\fancyhead[RE,RO]{\thepage}}%
4351 }
4352 %%
4353 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
4354 % numbering---it continues where it left off in the front matter.
4355 \renewcommand\mainmatter{%
4356   \cleardoublepage%
4357   \@mainmattertrue%
4358   \fancyhf{}%
4359   \ifthenelse{\boolean{@biduntfefloat@twoside}}%
4360     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
4361     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
4362     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
4363     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
4364 }
4365 %%
4366 % The back matter contains appendices, indices, glossaries, endnotes,
4367 % bibliographies, list of contributors, illustration credits, etc.
```

```

4368 \renewcommand\backmatter{%
4369   \if@openright%
4370     \cleardoublepage%
4371   \else%
4372     \clearpage%
4373   \fi%
4374   \@mainmatterfalse%
4375 }
4376 %%
4377 % Only show the chapter titles in the table of contents
4378 \setcounter{tocdepth}{0}
4379 \AtBeginDocument{%
4380   \IfFileExists{biditufte-book.cfg}
4381     {\input{biditufte-book.cfg}}
4382     \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
4383   {}%
4384 }

```

7.28 bidipoem.sty

```

4385 \NeedsTeXFormat{LaTeX2e}
4386 \ProvidesPackage{bidipoem}%
4387 [2013/11/12 v0.5 Environments for typesetting Persian traditional and modern poems]
4388 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
4389 \def\poemmarginsskip{1em plus 1fil minus 1em}
4390 \def\poemextrabaseskip{0\baselineskip}
4391 \def\poemsskip{\medskip}
4392 \newcommand{\bidipoem@openbox}{\leavevmode
4393   \hbox to .77778em{%
4394     \hfil\vrule
4395     \vbox to .675em{\hrule width.6em\vfil\hrule}%
4396     \vrule\hfil}}
4397 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
4398 \newdimen\versewidth
4399 \newtoks\bidipoem@p@ftn
4400 \def\poem@verse#1{%
4401   \ifdim\wd#1>\new@poem@width
4402     \xdef\new@poem@width{\the\wd#1}%
4403   \ifdim\new@poem@width>\poem@width
4404     \xdef\poem@width{\new@poem@width}%
4405   \global\let\poem@needrun\relax
4406   \fi
4407   \fi
4408   \hbox to\poem@width{\unhbox#1}%
4409   \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
4410 }
4411 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmarginsskip\relax}
4412 \def\poem@lineend{\nobreak\hskip\poemmarginsskip\hskip\@flushglue\vadjust{}}
4413 \def\poem@lineversesep{%
4414   \nobreak

```

```

4415 \hskip\z@ plus 1filll%
4416 \penalty600%
4417 \hskip\poemcolsepskip
4418 \hskip\z@ plus -2filll%
4419 \adjust{}%
4420 \nobreak
4421 \hskip\z@ plus 1filll%
4422 }
4423 \def\poem@lineparsebegin{%
4424 \halign\bgroup
4425 \global\setbox\verse@i=\hbox{%
4426 \let\@footnotetext\bidipoem@p@ftntext%
4427 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
4428 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
4429 \let\@xfootnotenext\bidipoem@p@xftntext%
4430 \let\@xfootnote\bidipoem@p@xfootnote%
4431 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
4432 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
4433 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
4434 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
4435 \ignorespaces##\unskip}&&
4436 \global\setbox\verse@ii=\hbox{%
4437 \let\@footnotetext\bidipoem@p@ftntext%
4438 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
4439 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
4440 \let\@xfootnotenext\bidipoem@p@xftntext%
4441 \let\@xfootnote\bidipoem@p@xfootnote%
4442 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
4443 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
4444 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
4445 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
4446 \ignorespaces##\unskip}
4447 \cr
4448 }
4449 \def\poem@lineparseend{%
4450 \crcr\egroup
4451 \vskip-\baselineskip
4452 }
4453 \def\oldpoem@cr{%
4454 \cr\poem@line
4455 }
4456 \newbox\verse@i
4457 \newbox\verse@ii
4458 \newif\ifpoem@started
4459
4460 \def\poem@line{%
4461 \poem@lineparseend
4462 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
4463 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
4464 \ifpoem@started

```



```

4465 \ifdim\wd\verse@ii>\z@\else
4466 \nopagebreak[3]
4467 \fi
4468 \leavevmode
4469 \poem@linebegin
4470 \poem@verse\verse@i
4471 \ifdim\wd\verse@ii>\z@
4472 \poem@lineversesep
4473 \poem@verse\verse@ii
4474 \fi
4475 \poem@lineend
4476 \nopagebreak
4477 \endgraf
4478 \vskip\poemextrabaselineskip
4479 \fi
4480 \poem@lineparsebegin
4481 }
4482 \def\@traditionalpoem{%
4483 \stepcounter{poem@no}
4484 \ifnum\max@poem@no<\number\c@poem@no%
4485 \xdef\poem@width{\z@}%
4486 \else
4487 \xdef\poem@width{\poem@prop{poem@width}}%
4488 \fi
4489 \xdef\new@poem@width{\z@}%
4490 \global\versewidth=\poem@width

4491 \poemskip\par
4492 \begingroup
4493 \tabskip=\z@
4494 \parskip=\z@
4495 \parindent=\z@
4496 \parfillskip=\z@
4497 \rightskip=\z@
4498 \leftskip=\z@
4499 \widowpenalty=10000% No break between verses of the same line.
4500 \clubpenalty=10000% Same as above. Not really needed.
4501 \def\newblock{\hfil\poemblocksep\hfil\null}%
4502 \def\par{\oldpoem@cr}% Redefine \par for possible \obeylines
4503 \def\{\{\global\poem@startedtrue\oldpoem@cr}%
4504 \global\poem@startedfalse
4505 \csname poem@obeylines\endcsname
4506 \let\poem@obeylines\relax
4507 \poem@lineparsebegin
4508 }
4509 \def\@endtraditionalpoem{%
4510 \cr
4511 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
4512 \noalign{%
4513 \skip0=\poemextrabaselineskip

```

```

4514 \vskip-\skip0
4515 \vskip-\baselineskip
4516 }%
4517 \fi\fi
4518 \poem@lineparseend
4519 \endgroup
4520 \par
4521 \vskip\baselineskip
4522 \poemskip
4523 \ifdim\new@poem@width<\poem@width
4524 \global\let\poem@needrun\relax
4525 \fi
4526 \poem@write@aux{\poem@width<\romannumeral\c@poem@no}{\new@poem@width}%
4527 \ifx\AtEndDocument\undefined\poem@finish\fi
4528 }
4529
4530
4531 \long\def\bidipoem@p@ftntext#1{%
4532 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
4533 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
4534 \long\def\bidipoem@p@LTRftntext#1{%
4535 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
4536 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
4537 \long\def\bidipoem@p@RTLftntext#1{%
4538 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
4539 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
4540
4541 \long\def\bidipoem@p@xftntext[#1]#2{%
4542 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}%
4543
4544 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
4545 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}%
4546
4547 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
4548 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}%
4549
4550 \def\bidipoem@p@xfootnote[#1]{%
4551 \begingroup
4552 \csname c@\@mpfn\endcsname #1\relax
4553 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4554 \endgroup
4555 \@footnotemark\bidipoem@p@xftntext[#1]}
4556
4557 \def\bidipoem@p@xLTRfootnote[#1]{%
4558 \begingroup
4559 \csname c@\@mpfn\endcsname #1\relax
4560 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4561 \endgroup
4562 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
4563

```

```

4564 \def\bidipoem@p@xRTLfootnote[#1]{%
4565     \begingroup
4566         \csname c@\@mpfn\endcsname #1\relax
4567         \unrestored@protected@xdef\@thefnmark{\thempfn}%
4568     \endgroup
4569     \@footnotemark\bidipoem@p@xRTLftntext[#1]}
4570
4571
4572
4573 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
4574 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\obeylines\traditional
4575 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
4576 \def\poem@finish{%
4577 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
4578 \ifx\poem@needrun\relax
4579 \PackageWarning{bidipoem}{Unjustified poem.  Rerun XeLaTeX to get poem right}%
4580 \global\let\poem@needrun\undefined
4581 \fi
4582 }
4583 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
4584 \newcounter{poem@no}\setcounter{poem@no}{\z@}
4585 \ifx\max@poem@no\undefined
4586     \def\max@poem@no{0}%
4587 \fi
4588 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
4589 \newcommand{\poem@write@aux}[2]{%
4590     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
4591     \@x
4592 }
4593 \def\@modernpoem{%
4594 \par
4595 \begingroup
4596 \parskip=\z@
4597 \parindent=\z@
4598 \def\[\{\@settab\@tabplus\ignorespaces}%
4599 \def\]\{\@tabminus\ignorespaces}%
4600 \def\newblock{\poemblocksep}%
4601 \let\newpoem@tabcr\@tabcr
4602 \def\par{% Redefine \par for possible \obeylines
4603     \ifpoem@started\else
4604         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
4605             \@stopfield
4606             \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
4607             \@contfield
4608         \fi
4609     \fi
4610     \ifpoem@started\newpoem@tabcr\fi}%
4611 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
4612 \global\poem@startedfalse
4613 \csname poem@obeylines\endcsname

```

```

4614 \let\poem@obeylines\relax
4615 \begin{tabbing}%
4616 }
4617 \def\@endmodernpoem{%
4618 \global\poem@startedfalse
4619 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
4620   \@stopfield
4621   \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
4622   \@contfield
4623 \fi
4624 \ifpoem@started\else\let\@stopline\@stopfield\fi
4625 \end{tabbing}%
4626 \endgroup
4627 \par
4628 }
4629 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
4630 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\obeylines\modernpoem}
4631 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
4632 \gdef\@startfield{%
4633 \global\setbox\@curfield\hbox\bgroup%
4634 \let\@footnotetext\bidipoem@p@ftntext%
4635 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
4636 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
4637 \let\@xfootnotenext\bidipoem@p@xftntext%
4638 \let\@xfootnote\bidipoem@p@xfootnote%
4639 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
4640 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
4641 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
4642 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
4643 \color@begingroup}
4644 \gdef\@stopfield{%
4645   \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
4646 \gdef\@contfield{%
4647 \global\setbox\@curfield\hbox\bgroup%
4648 \let\@footnotetext\bidipoem@p@ftntext%
4649 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
4650 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
4651 \let\@xfootnotenext\bidipoem@p@xftntext%
4652 \let\@xfootnote\bidipoem@p@xfootnote%
4653 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
4654 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
4655 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
4656 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
4657 \color@begingroup\unhbox\@curfield}

```

7.29 bidipresentation.cls

```

4658 \NeedsTeXFormat{LaTeX2e}
4659 \ProvidesClass{bidipresentation}
4660 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}

```

```

4661 \ProcessOptions\relax
4662 \LoadClass{article}
4663
4664 \RequirePackage[foot=10.2pt,head=0pt,paperwidth=128mm,paperheight=96mm,left=5mm,top=5mm,right=5mm]{geometry}
4665
4666 \RequirePackage{fancyhdr}
4667 \renewcommand{\headrulewidth}{0mm}
4668
4669 \renewcommand{\maketitle}{%
4670   {\ClassError{bidipresentation}{Caution: ‘maketitle’ command not supported}%
4671   {Please use ‘titlepage’ environment instead}%
4672 }
4673
4674 \fancypagestyle{pres}{%
4675   \fancyhf{}%
4676   \fancyfoot[R0,LE]{\footnotesize \thepage}%
4677 }
4678
4679 \pagestyle{pres}
4680
4681 \newcommand{\distance}[1]{\vspace*{\stretch{#1}}}
4682 \newcommand{\abstand}[1]{\vspace*{\stretch{#1}}}
4683
4684 \setlength{\parskip}{0.6ex}
4685 \setlength{\parindent}{0mm}
4686
4687 \newenvironment{plainslide}[1][1]{%
4688   {{\raggedleft \large\bfseries #1\par}\par\vspace*{\stretch{1}}}%
4689   {\par\vspace*{\stretch{1}}\newpage}
4690
4691 \newenvironment{rawslide}{}{\newpage}%
4692
4693 \def\itemize{%
4694   \ifnum \@itemdepth >\thr@@\toodeep\else
4695     \advance\@itemdepth\@ne
4696     \edef\@itemitem{labelitem\romannumeral\the\@itemdepth}%
4697     \expandafter
4698     \list
4699       \csname\@itemitem\endcsname
4700     {\def\makelabel##1{\hss\llap{##1}}}%
4701   \fi
4702   \setlength{\itemsep}{0ex}%
4703   \setlength{\parskip}{0.1ex}%
4704   \setlength{\parsep}{0ex}%
4705   }%
4706 \let\enditemize=\endlist
4707
4708 \def\enumerate{%
4709   \ifnum \@enumdepth >\thr@@\toodeep\else
4710     \advance\@enumdepth\@ne

```

```

4711 \edef\@enumctr{enum\romannumeral\the\@enumdepth}%
4712 \expandafter
4713 \list
4714 \csname label\@enumctr\endcsname
4715 {\usecounter\@enumctr\def\makelabel##1{\hss\llap{##1}}}%
4716 \fi
4717 \setlength{\itemsep}{0ex}%
4718 \setlength{\parskip}{0.1ex}%
4719 \setlength{\parsep}{0ex}%
4720 }%
4721 \let\endenumerate=\endlist
4722
4723 \renewenvironment{description}
4724 {\list{}{\labelwidth\z@ \itemindent-\leftmargin
4725 \let\makelabel\descriptionlabel}
4726 \setlength{\itemsep}{0ex}%
4727 \setlength{\parskip}{0.1ex}%
4728 \setlength{\parsep}{0ex}}
4729 {\endlist}

```

7.30 boek3-xetex-bidi.def

```

4730 \ProvidesFile{boek3-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for boek3 class for XeTeX]
4731 \renewenvironment{theindex}{%
4732 \if@twocolumn
4733 \@restonecolfalse
4734 \else
4735 \@restonecoltrue
4736 \fi
4737 \columnseprule \z@
4738 \columnsep 35\p@
4739 \twocolumn[\@makeschapterhead{\indexname}]}%
4740 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
4741 \thispagestyle{plain}\parindent\z@
4742 \parskip\z@ \@plus .3\p@\relax
4743 \let\item\@idxitem
4744 }{%
4745 \if@restonecol\onecolumn\else\clearpage\fi}
4746 \renewcommand*\head@style{%
4747 \interlinepenalty \@M
4748 \hyphenpenalty=\@M \exhyphenpenalty=\@M
4749 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
4750 \renewcommand*\@regtocline[3]{%
4751 \ifnum #1>\c@tocdepth
4752 \else
4753 \vskip\z@\@plus.2\p@
4754 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
4755 \if@RTL\rightskip\else\leftskip\fi\unitindent
4756 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
4757 \parfillskip\z@

```

```

4758     \@tempdima\unitindent
4759     \parindent\z@
4760     \leavevmode
4761     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
4762     \hskip 1em \nobreak{\slshape #3}\par
4763     }%
4764 \fi}
4765 \if@oldtoc
4766 \renewcommand*\l@part[2]{%
4767   \ifnum \c@tocdepth >-2\relax
4768     \addpenalty{-\@highpenalty}%
4769     \addvspace{2.25em \@plus\p@}%
4770     \begingroup
4771       \setlength\@tempdima{3em}%
4772       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
4773       \parfillskip -\@pnumwidth
4774       {\leavevmode
4775         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
4776         \nobreak
4777         \global\@nobreaktrue
4778         \everypar{\global\@nobreakfalse\everypar{}}}%
4779     \endgroup
4780 \fi}
4781 \else
4782 \renewcommand*\l@part{%
4783   \ifnum \c@tocdepth >-2\relax
4784     \addpenalty{-\@highpenalty}%
4785     \addvspace{2.25em \@plus \p@}%
4786     \@regtocline{0}%
4787 \fi}
4788 \fi
4789 \if@oldtoc
4790 \renewcommand*\l@chapter[2]{%
4791   \addpenalty{-\@highpenalty}%
4792   \vskip 1.0em \@plus\p@
4793   \setlength\@tempdima{1.5em}%
4794   \begingroup
4795     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
4796     \parfillskip -\@pnumwidth
4797     \leavevmode \bfseries
4798     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
4799     \hskip -\if@RTL\rightskip\else\leftskip\fi
4800     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
4801     \penalty\@highpenalty
4802   \endgroup}
4803 \else
4804 \renewcommand*\l@chapter{\@regtocline{0}}
4805 \fi
4806 \renewenvironment{abstract}{%
4807   \titlepage

```

```

4808      \null\vfil
4809      \section*{\SectFont \abstractname}
4810      \noindent\ignorespaces}
4811    {\par\vfil\null\endtitlepage}
4812 \renewenvironment{thebibliography}[1]
4813   {\chapter*{\bibname}%
4814    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
4815    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
4816    \list{\@biblabel{\@arabic\c@enumiv}}%
4817      {\settowidth\labelwidth{\@biblabel{#1}}%
4818       \leftmargin\labelwidth
4819       \advance\leftmargin\labelsep
4820       \openbib@code
4821       \usecounter{enumiv}%
4822       \let\p@enumiv\@empty
4823       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
4824    \sloppy\clubpenalty4000\widowpenalty4000%
4825    \sfcode'\. \@m}
4826    {\def\@noitemerr
4827     {\@latex@warning{Empty 'thebibliography' environment}}}%
4828    \endlist}
4829 \renewcommand*\left@footnoterule{%
4830   \kern-3\p@
4831   \kern.5\baselineskip
4832   \hrule\@width\unitindent
4833   \kern.4\baselineskip
4834 }
4835 \renewcommand*\right@footnoterule{%
4836   \hbox to \columnwidth
4837   {\beginR \vbox{%
4838     \kern-3\p@
4839     \kern.5\baselineskip
4840     \hrule\@width\unitindent
4841     \kern.4\baselineskip}\hfil\endR}
4842 }
4843 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
4844 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
4845 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
4846 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
4847 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
4848 \renewcommand*\theequation{%
4849   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
4850 \renewcommand*\thefigure{%
4851   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
4852 \renewcommand*\thetable{%
4853   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
4854 \renewcommand*\maketitle{%
4855   \begin{titlepage}%
4856     \let\footnotesize\small
4857     \let\right@footnoterule\relax

```



```

4858 \let\left@footnoterule\relax
4859 \let\textwidth@footnoterule\relax
4860 \let \footnote \thanks
4861 \long\def\@makefntext##1{\parindent\z@
4862     \def\labelitemi{\textendash}\@revlabeltrue
4863     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
4864 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
4865 \if@compatibility\setcounter{page}{0}\fi
4866 \null\vfil
4867 \vskip 60\p@
4868 \begin{center}%
4869     \TitleFont
4870     {\LARGE \def\\{\penalty -\@M}
4871         \if@allcaps
4872             \expandafter\uc@nothanks\@title\thanks\relax
4873         \else
4874             \@title
4875         \fi\par}%
4876 \vskip 3em%
4877 {\large
4878     \lineskip .75em \parindent\z@
4879     \begin{tabular}[t]{c}%
4880         \if@allcaps
4881             \expandafter\uc@authornothanks\@author\and\relax
4882         \else
4883             \@author
4884         \fi
4885     \end{tabular}\par}%
4886 \vskip 1.5em%
4887 {\large
4888     \if@allcaps
4889         \uppercase\expandafter{\@date}%
4890     \else
4891         \@date
4892     \fi\par}%
4893 \end{center}\par
4894 \@thanks
4895 \vfil\null
4896 \end{titlepage}%
4897 \setcounter{footnote}{0}%
4898 \global\let\thanks\relax
4899 \global\let\maketitle\relax
4900 \global\let\@thanks\@empty
4901 \global\let\@author\@empty
4902 \global\let\@title\@empty
4903 \global\let\@date\@empty
4904 \global\let\title\relax
4905 \global\let\author\relax
4906 \global\let\date\relax
4907 \global\let\and\relax

```

4908 }

7.31 boek-xetex-bidi.def

```
4909 \ProvidesFile{boek-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for boek class for XeTeX
4910 \renewenvironment{theindex}{%
4911   \if@twocolumn
4912     \@restonecolfalse
4913   \else
4914     \@restonecoltrue
4915   \fi
4916   \columnseprule \z@
4917   \columnsep 35\p@
4918   \twocolumn[\@makeschapterhead{\indexname}]%
4919   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
4920   \thispagestyle{plain}\parindent\z@
4921   \parskip\z@ \@plus .3\p@\relax
4922   \let\item\@idxitem
4923 }{%
4924   \if@restonecol\onecolumn\else\clearpage\fi}
4925 \renewcommand*\head@style{%
4926   \interlinepenalty \@M
4927   \hyphenpenalty=\@M \exhyphenpenalty=\@M
4928   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
4929 \renewcommand*\@regtocline[3]{%
4930   \ifnum #1>\c@tocdepth
4931   \else
4932     \vskip\z@ \@plus .2\p@
4933     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
4934     \if@RTL\rightskip\else\leftskip\fi\unitindent
4935     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
4936     \parfillskip\z@
4937     \@tempdima\unitindent
4938     \parindent\z@
4939     \leavevmode
4940     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
4941     \hskip 1em \nobreak{\slshape #3}\par
4942   }%
4943   \fi}
4944 \if@oldtoc
4945 \renewcommand*\l@part[2]{%
4946   \ifnum \c@tocdepth >-2\relax
4947     \addpenalty{-\@highpenalty}%
4948     \addvspace{2.25em \@plus\p@}%
4949     \begingroup
4950       \setlength\@tempdima{3em}%
4951       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
4952       \parfillskip -\@pnumwidth
4953       {\leavevmode
4954         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
```

```

4955         \nobreak
4956         \global\@nobreaktrue
4957         \everypar{\global\@nobreakfalse\everypar{}}%
4958     \endgroup
4959 \fi}
4960 \else
4961     \renewcommand*\l@part{%
4962         \ifnum \c@tocdepth >-2\relax
4963             \addpenalty{-\@highpenalty}%
4964             \addvspace{2.25em \@plus \p@}%
4965             \@regtocline{0}%
4966         \fi}
4967 \fi
4968 \if@oldtoc
4969 \renewcommand*\l@chapter[2]{%
4970     \addpenalty{-\@highpenalty}%
4971     \vskip 1.0em \@plus \p@
4972     \setlength\@tempdima{1.5em}%
4973     \begingroup
4974     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
4975     \parfillskip -\@pnumwidth
4976     \leavevmode \bfseries
4977     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
4978     \hskip -\if@RTL\rightskip\else\leftskip\fi
4979     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
4980     \penalty\@highpenalty
4981     \endgroup}
4982 \else
4983     \renewcommand*\l@chapter{\@regtocline{0}}
4984 \fi
4985 \renewcommand*\left@footnoterule{%
4986     \kern-3\p@
4987     \kern.5\baselineskip
4988     \hrule\@width\unitindent
4989     \kern.4\baselineskip
4990 }
4991 \renewcommand*\right@footnoterule{%
4992     \hbox to \columnwidth
4993     {\beginR \vbox{%
4994         \kern-3\p@
4995         \kern.5\baselineskip
4996         \hrule\@width\unitindent
4997         \kern.4\baselineskip}\hfil\endR}
4998 }
4999 \renewenvironment{abstract}{%
5000     \titlepage
5001     \null\vfil
5002     \section*{\SectFont \abstractname}
5003     \noindent\ignorespaces}
5004     {\par\vfil\null\endtitlepage}

```

```

5005 \renewenvironment{thebibliography}[1]
5006     {\chapter*{\bibname}%
5007      \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5008      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5009      \list{\@biblabel{\@arabic{c@enumiv}}}%
5010          {\settowidth\labelwidth{\@biblabel{#1}}%
5011           \leftmargin\labelwidth
5012           \advance\leftmargin\labelsep
5013           \@openbib@code
5014           \usecounter{enumiv}%
5015           \let\p@enumiv\@empty
5016           \renewcommand*{\theenumiv}{\@arabic{c@enumiv}}}%
5017      \sloppy\clubpenalty4000\widowpenalty4000%
5018      \sfcode'\.\@m}
5019  {\def\@noitemerr
5020   {\@latex@warning{Empty 'thebibliography' environment}}}%
5021  \endlist}
5022 \renewcommand*\thesection{\thechapter\@SepMark\@arabic{c@section}}
5023 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic{c@subsection}}
5024 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic{c@subsubsection}}
5025 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic{c@paragraph}}
5026 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic{c@subparagraph}}
5027 \renewcommand*\theequation{%
5028   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic{c@equation}}
5029 \renewcommand*\thefigure{%
5030   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic{c@figure}}
5031 \renewcommand*\thetable{%
5032   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic{c@table}}
5033 \renewcommand*\maketitle{%
5034   \begin{titlepage}%
5035     \let\footnotesize\small
5036     \let\right@footnoterule\relax
5037     \let\left@footnoterule\relax
5038     \let\textwidth\footnoterule\relax
5039     \let \footnote \thanks
5040     \long\def\@makefnmark##1{\parindent\z@
5041       \def\labelitemi{\textendash}\@revlabeltrue
5042       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5043     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5044     \if@compatibility\setcounter{page}{0}\fi
5045     \null\vfil
5046     \vskip 60\p@
5047     \begin{center}%
5048       \TitleFont
5049       {\LARGE \def\\{\penalty -\@M}
5050        \if@allcaps
5051          \expandafter\uc@nothanks\@title\thanks\relax
5052        \else
5053          \@title
5054        \fi\par}%

```

```

5055     \vskip 3em%
5056     {\large
5057       \lineskip .75em \parindent\z@
5058       \begin{tabular}[t]{c}%
5059         \if@allcaps
5060           \expandafter\uc@authornothanks\@author\and\relax
5061         \else
5062           \@author
5063         \fi
5064       \end{tabular}\par}%
5065     \vskip 1.5em%
5066     {\large
5067       \if@allcaps
5068         \uppercase\expandafter{\@date}%
5069       \else
5070         \@date
5071       \fi\par}%
5072     \end{center}\par
5073     \@thanks
5074     \vfil\null
5075   \end{titlepage}%
5076   \setcounter{footnote}{0}%
5077   \global\let\thanks\relax
5078   \global\let\maketitle\relax
5079   \global\let\@thanks\@empty
5080   \global\let\@author\@empty
5081   \global\let\@title\@empty
5082   \global\let\@date\@empty
5083   \global\let\title\relax
5084   \global\let\author\relax
5085   \global\let\date\relax
5086   \global\let\and\relax
5087 }

```

7.32 bookest-xetex-bidi.def

```

5088 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for
5089 \def\@makechapterhead#1{%
5090   \vspace*{20\p@}
5091   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
5092     \ifnum \c@secnumdepth >\m@ne
5093       \if@mainmatter
5094         {\colorA\huge\scshape \@chapapp\space \thechapter}
5095         \par\nobreak
5096         \vskip 10\p@
5097       \fi
5098     \fi
5099     \interlinepenalty\@M
5100     {\colorB\hrule}
5101     \vskip 15\p@

```

```

5102 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
5103 {\colorA\Huge \bfseries #1}\par\nobreak
5104 \if@RTL\end{flushleft}\else\end{flushright}\fi
5105 \vskip 5\p@
5106 {\colorB\hrule}
5107 \vskip 30\p@
5108 }}
5109 \def\@makeschapterhead#1{%
5110 \vspace*{20\p@}
5111 {\parindent \z@ \raggedright \normalfont
5112 {\colorB\hrule}
5113 \vskip 15\p@
5114 \begin{center}
5115 {\colorA\Huge \bfseries #1}\par\nobreak
5116 \end{center}
5117 \vskip 5\p@
5118 {\colorB\hrule}
5119 \vskip 30\p@
5120 }}

```

7.33 book-xetex-bidi.def

```

5121 \ProvidesFile{book-xetex-bidi.def}[2011/08/26 v0.8 bidi adaptations for standard book class f
5122 \renewenvironment{theindex}
5123 {\if@twocolumn
5124 \@restonecolfalse
5125 \else
5126 \@restonecoltrue
5127 \fi
5128 \columnseprule \z@
5129 \columnsep 35\p@
5130 \twocolumn[\@makeschapterhead{\indexname}]}%
5131 \@mkboth{\MakeUppercase\indexname}%
5132 {\MakeUppercase\indexname}%
5133 \thispagestyle{plain}\parindent\z@
5134 \parskip\z@ \@plus .3\p@\relax
5135 \let\item\@idxitem}
5136 {\if@restonecol\onecolumn\else\clearpage\fi}
5137 \@ifclassloaded{bookest}{\}{%
5138 \if@titlepage
5139 \renewcommand\maketitle{\begin{titlepage}%
5140 \let\footnotesize\small
5141 \let\right@footnoterule\relax
5142 \let\left@footnoterule\relax
5143 \let\textwidth\footnoterule\relax
5144 \let \footnote \thanks
5145 \let \LTRfootnote \LTRthanks
5146 \let \RTLfootnote \RTLthanks
5147 \null\vfil
5148 \vskip 60\p@

```

```

5149 \begin{center}%
5150 {\LARGE \@title \par}%
5151 \vskip 3em%
5152 {\large
5153 \lineskip .75em%
5154 \begin{tabular}[t]{c}%
5155 \@author
5156 \end{tabular}\par}%
5157 \vskip 1.5em%
5158 {\large \@date \par}% % Set date in \large size.
5159 \end{center}\par
5160 \@thanks
5161 \vfil\null
5162 \end{titlepage}%
5163 \setcounter{footnote}{0}%
5164 \global\let\thanks\relax
5165 \global\let\LTRthanks\relax
5166 \global\let\RTLthanks\relax
5167 \global\let\maketitle\relax
5168 \global\let\@thanks\@empty
5169 \global\let\@author\@empty
5170 \global\let\@date\@empty
5171 \global\let\@title\@empty
5172 \global\let\title\relax
5173 \global\let\author\relax
5174 \global\let\date\relax
5175 \global\let\and\relax
5176 }
5177 \else
5178 \renewcommand\maketitle{\par
5179 \begingroup
5180 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
5181 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
5182 \long\def\@makefntext##1{\parindent 1em\noindent
5183 \hb@xt@1.8em{%
5184 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
5185 \if@twocolumn
5186 \ifnum \col@number=\@one
5187 \@maketitle
5188 \else
5189 \twocolumn[\@maketitle]%
5190 \fi
5191 \else
5192 \newpage
5193 \global\@topnum\z@ % Prevents figures from going at top of page.
5194 \@maketitle
5195 \fi
5196 \thispagestyle{plain}\@thanks
5197 \endgroup
5198 \setcounter{footnote}{0}%

```

```

5199 \global\let\thanks\relax
5200 \global\let\LTRthanks\relax
5201 \global\let\RTLthanks\relax
5202 \global\let\maketitle\relax
5203 \global\let\@maketitle\relax
5204 \global\let\@thanks\@empty
5205 \global\let\@author\@empty
5206 \global\let\@date\@empty
5207 \global\let\@title\@empty
5208 \global\let\title\relax
5209 \global\let\author\relax
5210 \global\let\date\relax
5211 \global\let\and\relax
5212 }
5213 \def\@maketitle{%
5214   \newpage
5215   \null
5216   \vskip 2em%
5217   \begin{center}%
5218     \let \footnote \thanks
5219     \let \LTRfootnote \LTRthanks
5220     \let \RTLfootnote \RTLthanks
5221     {\LARGE \@title \par}%
5222     \vskip 1.5em%
5223     {\large
5224       \lineskip .5em%
5225       \begin{tabular}[t]{c}%
5226         \@author
5227         \end{tabular}\par}%
5228     \vskip 1em%
5229     {\large \@date}%
5230   \end{center}%
5231   \par
5232   \vskip 1.5em}
5233 \fi}
5234 \renewcommand*\l@part[2]{%
5235   \ifnum \c@tocdepth >-2\relax
5236     \addpenalty{-\@highpenalty}%
5237     \addvspace{2.25em \@plus\p@}%
5238     \setlength\@tempdima{3em}%
5239     \begingroup
5240       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5241       \parfillskip -\@pnumwidth
5242       {\leavevmode
5243         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5244       \nobreak
5245       \global\@nobreaktrue
5246       \everypar{\global\@nobreakfalse\everypar{}}%
5247     \endgroup
5248   \fi}

```



```

5249 \renewcommand*\l@chapter[2]{%
5250   \ifnum \c@tocdepth >\m@ne
5251     \addpenalty{-\@highpenalty}%
5252     \vskip 1.0em \@plus\p@
5253     \setlength\@tempdima{1.5em}%
5254     \begingroup
5255       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5256       \parfillskip -\@pnumwidth
5257       \leavevmode \bfseries
5258       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5259       \hskip -\if@RTL\rightskip\else\leftskip\fi
5260       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5261       \penalty\@highpenalty
5262     \endgroup
5263   \fi}
5264 \renewcommand\left@footnoterule{%
5265   \kern-3\p@
5266   \hrule\@width.4\columnwidth
5267   \kern2.6\p@}
5268 \renewcommand\right@footnoterule{%
5269   \hbox to \columnwidth
5270   {\beginR \vbox{%
5271     \kern-3\p@
5272     \hrule\@width.4\columnwidth
5273     \kern2.6\p@}\hfil\endR}}
5274 \renewcommand\theequation
5275   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
5276 \renewcommand \thefigure
5277   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
5278 \renewcommand \thetable
5279   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
5280 \renewcommand \thechapter {\@arabic\c@chapter}
5281 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
5282 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
5283 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
5284 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
5285 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
5286 \def\@makechapterhead#1{%
5287   \vspace*{50\p@}%
5288   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
5289     \ifnum \c@secnumdepth >\m@ne
5290       \if@mainmatter
5291         \huge\bfseries \@chapapp\space \thechapter
5292         \par\nobreak
5293         \vskip 20\p@
5294       \fi
5295     \fi
5296     \interlinepenalty\@M
5297     \Huge \bfseries #1\par\nobreak
5298     \vskip 40\p@

```

```

5299 }}
5300 \def\@makeschapterhead#1{%
5301   \vspace*{50\p@}%
5302   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
5303     \normalfont
5304     \interlinepenalty\@M
5305     \Huge \bfseries #1\par\nobreak
5306     \vskip 40\p@
5307   }}
5308 \renewcommand\backmatter{%
5309   \if@openright
5310     \cleardoublepage
5311   \else
5312     \clearpage
5313   \fi
5314   \@mainmatterfalse}
5315 \renewenvironment{thebibliography}[1]
5316   {\chapter*{\bibname}%
5317    \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5318    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5319    \list{\@biblabel{\@arabic\c@enumiv}}%
5320      {\settowidth\labelwidth{\@biblabel{#1}}%
5321       \leftmargin\labelwidth
5322       \advance\leftmargin\labelsep
5323       \@openbib@code
5324       \usecounter{enumiv}%
5325       \let\p@enumiv\@empty
5326       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
5327   \sloppy
5328   \clubpenalty4000
5329   \@clubpenalty \clubpenalty
5330   \widowpenalty4000%
5331   \sfcode'\.\@m}
5332   {\def\@noitemerr
5333    {\@latex@warning{Empty 'thebibliography' environment}}%
5334   \endlist}

```

7.34 breqn-xetex-bidi.def

```

5335 \ProvidesFile{breqn-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for breqn package for Xe
5336 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
5337   \everydisplay\expandafter{\the\everydisplay \display@setup}%
5338   \if@noskipsec \leavevmode \fi
5339   \if@inlabel \leavevmode \global\@inlabelfalse \fi
5340   \if\eq@group\else\eq@prelim\fi
5341   \setkeys{breqn}{#1}%
5342   \the\eqstyle
5343   \eq@setnumber
5344   \begingroup
5345   \eq@setup@a

```

```

5346 \eq@startup
5347 }
5348 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
5349 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
5350 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
5351 \global\let\GRP@label\@empty
5352 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
5353 \global\grp@linewidth\z@\global\grp@wdNum\z@
5354 \global\let\grp@eqs@numbered\@False
5355 \global\let\grp@aligned\@True
5356 \global\let\grp@shiftnumber\@False
5357 \eq@prelim
5358 \setkeys{breqn}{#1}%
5359 \if\grp@hasNumber \grp@setnumber \fi
5360 }
5361 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
5362 \let\display@setup\dseries@display@setup
5363 % Question: should this be the default for dseries???
5364 \global\eq@wdCond\z@
5365 \@dmath[layout={M},#1]%
5366 \mathsurround\z@\@math \penalty\@Mi
5367 \let\endmath\ends@math
5368 \def\premath{%
5369 \ifdim\lastskip<.3em \unskip
5370 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
5371 }%
5372 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
5373 \ignorespaces
5374 }
5375 \def\eqnumform#1{\if@Latin\else\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@Latin\else\endR\fi}
5376 \renewenvironment{dsuspend}{%
5377 \global\setbox\EQ@box\vbox\bgroup\if@Latin\else\@RTLtrue\fi \@parboxrestore
5378 \parshape 1 \displayindent \displaywidth\relax
5379 \hsize=\columnwidth \noindent\ignorespaces
5380 }{%
5381 \par\egroup
5382 \global\setbox\GRP@box\vbox{%
5383 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
5384 \unvbox\GRP@box
5385 }%
5386 \global\GRP@queue\@xp{\the\GRP@queue
5387 \@elt{\let\eq@isIntertext\@True}%
5388 }%
5389 }

```

7.35 cals-xetex-bidi.def

```

5390 \ProvidesFile{cals-xetex-bidi.def}[2013/05/28 v0.3 bidi adaptations for cals package for XeTeX]
5391 \renewenvironment{calstable}[1][c]{%
5392 \if@RTL\@RTLtabtrue\cals@activate@rtl\fi

```

```

5393 \if l#1%
5394 \if@RTLtab\leftskip\fill \rightskip\z@ \else\leftskip\z@ \rightskip\fill\fi
5395 \else\if r#1%
5396 \if@RTLtab\leftskip\z@ \rightskip\fill\else\leftskip\fill \rightskip\z@\fi
5397 \else\if c#1%
5398 \leftskip\fill \rightskip\fill
5399 \fi\fi\fi
5400 \let\cals@thead@tokens=\relax
5401 \let\cals@tfoot@tokens=\relax
5402 \let\cals@tbody@tokens=\relax
5403 \cals@tfoot@height=0pt \relax
5404 \let\cals@last@context=n%
5405 \let\cals@current@context=b%
5406 \parindent=0pt %
5407 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@settohsize%
5408 %% Alignment inside is independent on center/flushright outside
5409 \parfillskip=0pt plus1fil\relax
5410 \let\cals@borderL=\relax
5411 \let\cals@borderR=\relax
5412 \let\cals@borderT=\relax
5413 \let\cals@borderB=\relax
5414 }{% End of the table
5415 \cals@tfoot@tokens\lastrule\@RTLtabfalse}
5416
5417 \renewcommand\alignL{%
5418 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0 plus 1fill\else\cals@paddingL=\dimen0
5419 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}
5420
5421 \renewcommand\alignR{%
5422 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0\else\cals@paddingL=\dimen0 plus 1fill
5423 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}

```

7.36 caption-xetex-bidi.def

```

5424 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for xetex]
5425 \let\@makecaption\caption@makecaption

```

7.37 caption3-xetex-bidi.def

```

5426 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for xetex]
5427 \renewcommand*\caption@par{%
5428 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

7.38 colortbl-xetex-bidi.def

```

5429 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for xetex]
5430 \def\CT@setup{%
5431 \@tempdima\col@sep
5432 \@tempdimc\col@sep
5433 \def\CT@color{%
5434 \global\let\CT@do@color\CT@@do@color
5435 \bidicolor}}

```

```

5436 \def\@classz{\@classx
5437   \@tempcnta \count@
5438   \prepnext@tok
5439 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
5440 \@addtopreamble{\if@RTLtab\beginL\fi%
5441   \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
5442   \ifcase \@chnum
5443   \hskip\stretch{.5}\kern\z@
5444   \dollarbegin
5445   \insert@column
5446   \dollarend\hskip\stretch{.5}\or
5447   \dollarbegin \insert@column \dollarend \hfill \or
5448   \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
5449   $\vcenter
5450   \@startpbox{\@nextchar}\insert@column \@endpbox $\or
5451   \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
5452   \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
5453   \fi
5454 \if@RTLtab\endR\fi\egroup\egroup
5455 \begingroup
5456 \CT@setup
5457 \CT@column@color
5458 \CT@row@color
5459 \CT@cell@color
5460 \CT@do@color
5461 \endgroup
5462   \@tempdima\ht\z@
5463   \advance\@tempdima\minrowclearance
5464   \vrule\@height\@tempdima\@width\z@
5465   \unhbox\z@\if@RTLtab\endL\fi}%
5466 \prepnext@tok}

```

7.39 color-xetex-bidi.def

```

5467 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe
5468 \long\def\color@b@x#1#2#3{%
5469 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
5470 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
5471 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
5472 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
5473 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}}%
5474   \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
5475 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
5476 \DeclareRobustCommand\color{%
5477 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor}%
5478 \def\@declaredcolor#1{%
5479 \@ifundefined{\string\color @#1}%
5480 {\color@error{'#1'}}%
5481 {\expandafter\let\expandafter\current@color
5482 \csname\string\color @#1\endcsname

```

```

5483 \set@color}%
5484 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
5485 \def\@undeclaredcolor[#1]#2{%
5486 \ifundefined{color@#1}%
5487 {\c@lor@error{model '1'}}%
5488 {\csname color@#1\endcsname\current@color{#2}}%
5489 \set@color}%
5490 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
5491 \DeclareRobustCommand\bidicolor{%
5492 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
5493 \def\@bidiundeclaredcolor[#1]#2{%
5494 \@ifundefined{color@#1}%
5495 {\c@lor@error{model '1'}}%
5496 {\csname color@#1\endcsname\current@color{#2}}%
5497 \set@color}%
5498 \ignorespaces}
5499 \def\@bidideclaredcolor#1{%
5500 \@ifundefined{\string\color @#1}%
5501 {\c@lor@error{'1'}}%
5502 {\expandafter\let\expandafter\current@color
5503 \csname\string\color @#1\endcsname
5504 \set@color}%
5505 \ignorespaces}
5506 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
5507 \def\color@fbox#1#2#3{%
5508 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
5509 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.40 combine-xetex-bidi.def

```

5510 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for
5511 \renewcommand{\c@ll@chapsecii}[2]{%
5512 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5513 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
5514 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5515 }
5516 \renewcommand{\c@ll@chapseci}{%
5517 \setlength\@tempdima{0em}%
5518 \begingroup
5519 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5520 \parfillskip -\@pnumwidth
5521 \leavevmode
5522 }
5523 \renewenvironment{tocindent}[1]{%
5524 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

7.41 crop-xetex-bidi.def

```

5525 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX
5526 \renewcommand*\CROP@ulc{%
5527 \if@RTLmain%

```

```

5528     \begin{picture}(0,0)
5529     \unitlength\p@\thinlines
5530     \put(-40,0){\circle{10}}
5531     \put(-30,-5){\line(0,1){10}}
5532     \put(-35,0){\line(1,0){30}}
5533     \put(-10,30){\circle{10}}
5534     \put(-5,30){\line(1,0){10}}
5535     \put(0,35){\line(0,-1){30}}
5536 \end{picture}%
5537 \else%
5538 \begin{picture}(0,0)
5539 \unitlength\p@\thinlines
5540 \put(-30,0){\circle{10}}
5541 \put(-30,-5){\line(0,1){10}}
5542 \put(-35,0){\line(1,0){30}}
5543 \put(0,30){\circle{10}}
5544 \put(-5,30){\line(1,0){10}}
5545 \put(0,35){\line(0,-1){30}}
5546 \end{picture}%
5547 \fi%
5548 }
5549 \renewcommand*\CROP@urc{%
5550 \if@RTLmain%
5551 \begin{picture}(0,0)
5552 \unitlength\p@\thinlines
5553 \put(20,0){\circle{10}}
5554 \put(30,-5){\line(0,1){10}}
5555 \put(35,0){\line(-1,0){30}}
5556 \put(-10,30){\circle{10}}
5557 \put(-5,30){\line(1,0){10}}
5558 \put(0,35){\line(0,-1){30}}
5559 \end{picture}%
5560 \else%
5561 \begin{picture}(0,0)
5562 \unitlength\p@\thinlines
5563 \put(30,0){\circle{10}}
5564 \put(30,-5){\line(0,1){10}}
5565 \put(35,0){\line(-1,0){30}}
5566 \put(0,30){\circle{10}}
5567 \put(-5,30){\line(1,0){10}}
5568 \put(0,35){\line(0,-1){30}}
5569 \end{picture}%
5570 \fi%
5571 }
5572 \renewcommand*\CROP@llc{%
5573 \if@RTLmain%
5574 \begin{picture}(0,0)
5575 \unitlength\p@\thinlines
5576 \put(-40,0){\circle{10}}
5577 \put(-30,-5){\line(0,1){10}}

```

```

5578      \put(-35,0){\line(1,0){30}}
5579      \put(-10,-30){\circle{10}}
5580      \put(-5,-30){\line(1,0){10}}
5581      \put(0,-35){\line(0,1){30}}
5582    \end{picture}%
5583  \else%
5584    \begin{picture}(0,0)
5585      \unitlength\p@\thinlines
5586      \put(-30,0){\circle{10}}
5587      \put(-30,-5){\line(0,1){10}}
5588      \put(-35,0){\line(1,0){30}}
5589      \put(0,-30){\circle{10}}
5590      \put(-5,-30){\line(1,0){10}}
5591      \put(0,-35){\line(0,1){30}}
5592    \end{picture}%
5593  \fi%
5594 }
5595 \renewcommand*\CROP@lrc{%
5596   \if@RTLmain%
5597     \begin{picture}(0,0)
5598       \unitlength\p@\thinlines
5599       \put(20,0){\circle{10}}
5600       \put(30,-5){\line(0,1){10}}
5601       \put(35,0){\line(-1,0){30}}
5602       \put(-10,-30){\circle{10}}
5603       \put(-5,-30){\line(1,0){10}}
5604       \put(0,-35){\line(0,1){30}}
5605     \end{picture}%
5606   \else%
5607     \begin{picture}(0,0)
5608       \unitlength\p@\thinlines
5609       \put(30,0){\circle{10}}
5610       \put(30,-5){\line(0,1){10}}
5611       \put(35,0){\line(-1,0){30}}
5612       \put(0,-30){\circle{10}}
5613       \put(-5,-30){\line(1,0){10}}
5614       \put(0,-35){\line(0,1){30}}
5615     \end{picture}%
5616   \fi%
5617 }
5618 \@ifpackagewith{crop}{cam}{%
5619 \CROP@execopt{cam}%
5620 }{}

```

7.42 cutwin-xetex-bidi.def

```

5621 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
5622 \renewcommand*\c@twcompctr][2]{%
5623   \def\c@twfirst{1}
5624   \loop\advance\c@twwinlines\m@ne

```



```

5625 \setbox\c@twslicea=\vsplit#1 to\baselineskip
5626 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
5627 \c@twprune{\c@twslicea}{\c@twlftside}%
5628 \c@twprune{\c@twsliceb}{\c@twrtside}%
5629 \ifnum\c@twfirst=\@ne
5630   \setbox#2=\vbox{\unvbox#2\hbox
5631     to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
5632   \else
5633     \setbox#2=\vbox{\unvbox#2\hbox
5634       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
5635   \fi
5636   \def\c@twfirst{2}
5637   \ifnum\c@twinlines>\z@\repeat}
5638 \renewcommand*{\c@twcompodctr}[2]{%
5639   \def\c@twrounds{1}
5640   \def\c@twfirst{1}
5641   \@for\c@twlspec:=\c@twb\do{%
5642     \ifnum\c@twrounds=1
5643       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
5644       \c@twprune{\c@twslicea}{\c@twlspec}%
5645       \def\c@twrounds{2}
5646     \else
5647       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
5648       \c@twprune{\c@twsliceb}{\c@twlspec}%
5649       \ifnum\c@twfirst=1
5650         \setbox#2=\vbox{\unvbox#2\hbox
5651           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box
5652         \def\c@twfirst{2}
5653       \else
5654         \setbox#2=\vbox{\unvbox#2\hbox
5655           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\els
5656       \fi
5657       \def\c@twrounds{1}
5658     \fi}}

```

7.43 cuted-xetex-bidi.def

```

5659 \ProvidesFile{cuted-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for cuted package for Xe
5660 \def\RTL@outputdblcol{%
5661 \if@firstcolumn \global\@firstcolumnfalse
5662 \global\setbox\@leftcolumn \box\@outputbox
5663 \else
5664 \global\@firstcolumntrue
5665 \setbox\@outputbox \vbox {\hbox to\textwidth {%
5666 \hskip \columnwidth
5667 \hfil \vrule width\columnseprule \hfil
5668 \hbox to\columnwidth {\box\@leftcolumn \hss}%
5669 \hskip -\textwidth
5670 \hbox to\columnwidth{\box\@outputbox \hss}%
5671 \hskip \columnsep

```

```

5672 \hskip \columnwidth }}%
5673 \ifvoid\hold@viper
5674 \else
5675 \setbox\@outputbox \vbox to\textheight{%
5676 \box\hold@viper
5677 \box\@outputbox
5678 \vss
5679 }%
5680 \fi
5681 \@combinedblfloats \@outputpage
5682 \beginingroup \@dblfloatplacement \@startdblcolumn
5683 \@whilesw\if@fcolmade \fi
5684 {\@outputpage \@startdblcolumn }%
5685 \ifvoid\@viper
5686 \else
5687 \global\setbox\@viper\vbox{%
5688 \vskip-\stripsep
5689 \unvbox\@viper
5690 }%
5691 \@viperoutput
5692 \fi
5693 \endgroup
5694 \fi}
5695 \def\LTR@outputdblcol{%
5696 \if@firstcolumn
5697 \global \@firstcolumnfalse
5698 \global \setbox\@leftcolumn \box\@outputbox
5699 \else
5700 \global\@firstcolumntrue
5701 \setbox\@outputbox \vbox {%
5702 \hb@xt@\textwidth {%
5703 \hb@xt@\columnwidth {%
5704 \box\@leftcolumn \hss}%
5705 \hfil
5706 \vrule \@width\columnseprule
5707 \hfil
5708 \hb@xt@\columnwidth {%
5709 \box\@outputbox \hss}%
5710 }%
5711 }%
5712 \ifvoid\hold@viper
5713 \else
5714 \setbox\@outputbox \vbox to\textheight{%
5715 \box\hold@viper
5716 \box\@outputbox
5717 \vss
5718 }%
5719 \fi
5720 \@combinedblfloats
5721 \@outputpage

```

```

5722 \beginngroup
5723 \dblfloatplacement
5724 \@startdblcolumn
5725 \@whiles\if@colmade \fi
5726 {\@outputpage
5727 \startdblcolumn}%
5728 \ifvoid\@viper
5729 \else
5730 \global\setbox\@viper\vbox{%
5731 \vskip-\stripsep
5732 \unvbox\@viper
5733 }%
5734 \@viperoutput
5735 \fi
5736 \endgroup
5737 \fi
5738 }
5739 \def \@addviper {%
5740 \if@firstcolumn
5741 \insertfalse
5742 \@reqcolroom .5\@pageht
5743 \ht@viper\@reqcolroom
5744 \advance \@reqcolroom \ht@viper
5745 \advance \@reqcolroom \stripsep
5746 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
5747 %%
5748 \@tempdimb \ht@viper
5749 \loop
5750 \setbox\v@aaa\copy\@holdpg
5751 \setbox\v@ccc\vbox to\@tempdimb{%
5752 \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
5753 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
5754 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
5755 \loop
5756 \setbox\v@aaa\copy\@holdpg
5757 \setbox\v@ccc\vbox to\@tempdimb{%
5758 \vsplit\v@aaa to\@tempdimb\vss}%
5759 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
5760 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
5761 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
5762 \setbox\v@ccc\vbox to\@tempdimb{%
5763 \vsplit\@holdpg to\@tempdimb\vss}%
5764 %%
5765 \setbox\@tempboxa \vbox {%
5766 \hb@xt@\textwidth {%
5767 \if@RTLmain%
5768 \hskip \columnwidth
5769 \hfil \vrule width\columnseprule \hfil
5770 \hb@xt@\columnwidth {%
5771 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%

```

```

5772         \hskip -\textwidth
5773         \hb@xt@\columnwidth {%
5774             \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
5775         \hskip \columnsep
5776         \hskip \columnwidth
5777         \else%
5778             \hb@xt@\columnwidth {%
5779                 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
5780             \hfil
5781             \vrule \@width\columnseprule
5782             \hfil
5783             \hb@xt@\columnwidth {%
5784                 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
5785                 \fi}%
5786             }%
5787 \ifvoid\hold@viper
5788     \global\setbox\hold@viper \vbox {%
5789         \unvbox\@tempboxa
5790         \penalty\interlinepenalty
5791         \vskip\stripsep
5792         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
5793         \outputpenalty \z@
5794     }%
5795 \else
5796     \global\setbox\hold@viper \vbox {%
5797         \unvbox\hold@viper
5798         \unvbox\@tempboxa
5799         \penalty\interlinepenalty
5800         \vskip\stripsep
5801         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
5802         \outputpenalty \z@
5803     }%
5804 \fi
5805 \ifdim \@colroom>\@reqcolroom
5806     \global\setbox\hold@viper \vbox {%
5807         \unvbox\hold@viper
5808         \box\@viper
5809         \penalty\interlinepenalty
5810         \vskip\stripsep
5811         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
5812         \outputpenalty \z@
5813     }%
5814 \inserttrue
5815 \advance\@tempdima by-\ht\hold@viper
5816 \global \advance \@colht \@tempdima
5817 \ifdim \@colht<2.5\baselineskip
5818     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
5819         too tall on page \thepage (1 stulpelis)}%
5820 \emptycol
5821 \if@firstcolumn

```

```

5822         \else
5823             \@emptycol
5824         \fi
5825         \global\@lastvipertrue
5826     \else
5827         \global \vsize \@colht
5828         \global \@colroom \@colht
5829         \check@floats
5830         \ifdim\@tempdima>\z@
5831             \global\advance\@colroom by-\@tempdima
5832         \fi
5833         \ifdim\@colroom<\z@
5834             \global\@colroom 1pt
5835             \ifdim\@tempdima>\@colht
5836                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
5837                     netelpe lape \thepage (1 stulpelis)}%
5838             \fi
5839             \@emptycol
5840             \if@firstcolumn
5841                 \else
5842                     \@emptycol
5843                 \fi
5844             \global\@lastvipertrue
5845         \fi
5846     \fi
5847 \fi
5848 \else
5849     \@insertfalse
5850     \@reqcolroom\@colht
5851     \advance\@reqcolroom \@pageht
5852     \ht@viper.5\@reqcolroom
5853     \@reqcolroom\ht@viper
5854     \advance \@reqcolroom \ht@viper
5855     \advance \@reqcolroom \stripsep
5856     \if@flushend@auto@baselineskip
5857         \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
5858             \global\lastskip@d\lastskip
5859             \global\lastskip@b\lastskip
5860         \loop
5861             \global\lastskip@a\lastskip@b
5862             \unskip\unpenalty
5863             \global\lastskip@b\lastskip
5864             \global\advance\lastskip@d by\lastskip
5865             \ifdim\lastskip@b=-\lastskip@a
5866                 \global\advance\lastskip@d by-\lastskip
5867             \else
5868                 \repeat
5869             \ifdim\lastskip@b=-\lastskip@a
5870                 \ifdim\lastskip@b=\z@
5871                     \setbox\lastbox@a\lastbox

```

```

5872         \global\advance\lastskip@d by\ht\lastbox@a
5873         \global\advance\lastskip@d by\lastskip
5874         \unskip\unpenalty
5875         \setbox\lastbox@a\lastbox
5876         \global\advance\lastskip@d by\dp\lastbox@a
5877     \else
5878         \global\lastskip@d\lastskip
5879         \global\advance\lastskip@d by\topskip
5880     \fi
5881 \fi
5882 \global\advance\lastskip@d by-\topskip
5883 }%
5884 \ifdim\ht\@holdpg>\@colht
5885     \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
5886     \par\eject
5887     \vbox to \@colht{\unvbox\@holdpg\unskip}%
5888     }%
5889 \else
5890     \global\setbox\@holdpg\vbox{%
5891     \unvbox\@leftcolumn\unskip\unpenalty
5892     \vskip\lastskip@d
5893     \the\At@ViperColsBreak
5894     \unvbox\@holdpg
5895     \unskip
5896     }%
5897 \fi
5898 \else
5899     \global\setbox\@holdpg\vbox{%
5900     \unvbox\@leftcolumn
5901     \setbox\@tempboxa\lastbox
5902     \on@stripcols@break
5903     \the\At@ViperColsBreak
5904     \unvbox\@holdpg
5905     }%
5906 \fi
5907 \global\At@ViperColsBreak{}%
5908 \ht@viper .5\ht\@holdpg
5909 \ifdim \ht@viper>\@colht
5910     \ht@viper \@colht
5911 \fi
5912 \ifvoid\hold@viper\@tempdima=z@\else\@tempdima\ht\hold@viper\fi
5913 %%
5914 \@tempdimb \ht@viper
5915 \loop
5916     \setbox\v@aaa\copy\@holdpg
5917     \setbox\v@ccc\vbox to\@tempdimb{%
5918     \vsplit\v@aaa to\@tempdimb
5919     \vss
5920     \vsplit\v@aaa to\@tempdimb
5921     }%

```

```

5922     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
5923 \ifvoid\v@aaa
5924 \else
5925     \advance\@tempdimb 1\p@
5926 \repeat
5927 \loop
5928     \setbox\v@aaa\copy\@holdpg
5929     \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
5930     \wlog{(2)Left:\the\ht\v@ccc\space
5931         Right:\the\ht\v@aaa\space
5932         Output:\the\@tempdimb
5933     }%
5934 \ifdim\ht\v@ccc<\ht\v@aaa
5935     \@tempdimb \the\ht\v@aaa
5936 \repeat
5937 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
5938     ^^JRight:\the\ht\v@aaa
5939     ^^JOutput:\the\@tempdimb
5940 }%
5941 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
5942 \setbox\@tempboxa\vbox{%
5943     \hb@xt@\textwidth{%
5944         \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
5945         \hfil
5946         \vrule \@width\columnseprule
5947         \hfil
5948         \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
5949     }%
5950 }%
5951 \ifvoid\hold@viper
5952     \global\setbox\hold@viper \vbox {%
5953         \unvbox\@tempboxa
5954         \penalty\interlinepenalty
5955         \vskip\stripsep
5956         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
5957         \outputpenalty \z@
5958     }%
5959 \else
5960     \global\setbox\hold@viper \vbox {%
5961         \unvbox\hold@viper
5962         \unvbox\@tempboxa
5963         \penalty\interlinepenalty
5964         \vskip\stripsep
5965         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
5966         \outputpenalty \z@
5967     }%
5968 \fi
5969 \ifdim \@colht>\@reqcolroom
5970     \global\setbox\hold@viper \vbox {%
5971         \unvbox\hold@viper

```

```

5972         \box\@viper
5973         \penalty\interlinepenalty
5974         \vskip\stripsep
5975         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
5976         \outputpenalty \z@
5977         }%
5978     \@inserttrue
5979     \global\@firstcolumntrue
5980     \advance\@tempdima by-\ht\hold@viper
5981     \global \advance \@colht \@tempdima
5982     \ifdim \@colht<2.5\baselineskip
5983         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
5984                                     too tall on page \thepage (2 stulpelis)}}%
5985         \@emptycol
5986         \if@firstcolumn
5987         \else
5988             \@emptycol
5989         \fi
5990         \global\@lastvipertrue
5991     \else
5992         \global \vsize \@colht
5993         \global \@colroom \@colht
5994         \check@floats
5995         \ifdim\@tempdima>\z@
5996             \global\advance\@colroom by-\@tempdima
5997         \fi
5998         \ifdim\@colroom<\z@
5999             \global\@colroom 1pt
6000             \ifdim\@tempdima>\@colht
6001                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6002                                         netelpa lape \thepage (2 stulpelis)}}%
6003             \fi
6004             \@emptycol
6005             \if@firstcolumn
6006             \else
6007                 \@emptycol
6008             \fi
6009             \global\@lastvipertrue
6010         \fi
6011     \fi
6012 \fi
6013 \fi
6014 \if@insert
6015 \else
6016     \advance\@tempdima by-\ht\hold@viper
6017     \global \advance \@colht \@tempdima
6018     \global\setbox\hold@viper \vbox {%
6019                                     \unvbox\hold@viper
6020                                     \csname viper@top@hook\endcsname
6021                                     \vsplit\@viper to \@colht

```



```

6022                                     \vss
6023                                     }%
6024     \vbox{}%
6025     \global\@firstcolumnfalse
6026     \newpage
6027 \fi
6028 }

```

7.44 cvthemebidicasual.sty

```

6029 \NeedsTeXFormat{LaTeX2e}
6030 \ProvidesPackage{cvthemebidicasual}
6031 \DeclareOption{blue}{}
6032 \newif\if@colourorange\@colourorangefalse
6033 \DeclareOption{orange}{\@colourorangertrue}
6034 \newif\if@colourgreen\@colourgreenfalse
6035 \DeclareOption{green}{\@colourgreenttrue}
6036 \newif\if@colourred\@colourredfalse
6037 \DeclareOption{red}{\@colourredtrue}
6038 \newif\if@colourgrey\@colourgreyfalse
6039 \DeclareOption{grey}{\@colourgreytrue}
6040 \DeclareOption*{
6041   \PackageWarning{cvthemebidicasual}{Unknown option \CurrentOption}}
6042 \ExecuteOptions{colour}
6043 \ProcessOptions\relax
6044 \renewcommand*{\listitemsymbol}{\textbullet}
6045 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
6046 \familynamecolour{808080}
6047 \firstnamecolour{A9A9A9}
6048 \quotecolour{696969}
6049 \addresscolour{696969}
6050 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
6051 \sectiontitlecolour{1E90FF}
6052 \subsectioncolour{4682B4}
6053 \definecolor{rulecolour}{gray}{0.6}
6054 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
6055 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
6056 \if@colourorange
6057   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
6058   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
6059   \sectiontitlecolour{FF8C00}
6060   \subsectioncolour{FF8C00}
6061   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
6062   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
6063 \if@colourgreen
6064   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
6065   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
6066   \sectiontitlecolour{008000}
6067   \subsectioncolour{008000}
6068   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}

```

```

6069 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
6070 \if@coloured
6071 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
6072 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
6073 \sectiontitlecolour{FF0000}
6074 \subsectioncolour{FF0000}
6075 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
6076 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
6077 \if@colourgrey
6078 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
6079 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
6080 \sectiontitlecolour{808080}
6081 \subsectioncolour{808080}
6082 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
6083 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
6084 \renewcommand*{\ttdefault}{pcr}
6085 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
6086 \renewcommand*{\familynamefont}{\firstnamefont}
6087 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
6088 \renewcommand*{\quoteontext}{\large\slshape}
6089 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
6090 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
6091 \renewcommand*{\maketitle}{%
6092   {%
6093     \ifthenelse{\isundefined{\@photo}}{%
6094       {}%
6095       {\color{firstnamedcolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
6096       \hfill%
6097       \bidi@raggedleft{\firstnamedstyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
6098     {\color{firstnamedcolor}\rule{\textwidth}{.25ex}\[2.5em]}%
6099   \ifthenelse{\isundefined{\@quote}}{%
6100     {}%
6101     {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[-.35em]}%
6102   }%
6103 \newif\if@firstfooterelement\@firstfooterelementtrue
6104 \providecommand*{\footersymbol}{%
6105 \renewcommand*{\footersymbol}{%
6106 \if@firstfooterelement%
6107 \else%
6108 {~~\color{footersymbolcolor}\textbullet~~}\fi}
6109 \providecommand*{\makefooter}{%
6110 \renewcommand*{\makefooter}{%
6111 \fancypagestyle{plain}{%
6112 \fancyfoot[c]{%
6113 \parbox{0.8\textwidth}{%
6114 \centering%
6115 \addressfont\@addresscolour%
6116 \ifthenelse{\isundefined{\@address}}{\@address}{%
6117 \addresssymbol~\@address\%
6118 \@firstfooterelementfalse}%

```

```

6119     \ifthenelse{\isundefined{\@mobile}}{\}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
6120     \ifthenelse{\isundefined{\@phone}}{\}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
6121     \ifthenelse{\isundefined{\@fax}}{\}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
6122     \ifthenelse{\isundefined{\@email}}{\}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
6123     \ifthenelse{\isundefined{\@extrainfo}}{\}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
6124 }%
6125 \pagestyle{plain}}
6126 \AtBeginDocument{\makefooter}

```

7.45 cvthemebidiclassic.sty

```

6127 \NeedsTeXFormat{LaTeX2e}
6128 \ProvidesPackage{cvthemebidiclassic}
6129 \DeclareOption{blue}{\}
6130 \newif\if@colourorange\@colourorangefalse
6131 \DeclareOption{orange}{\@colourorange>true}
6132 \newif\if@colourgreen\@colourgreenfalse
6133 \DeclareOption{green}{\@colourgreentrue}
6134 \newif\if@colourred\@colourredfalse
6135 \DeclareOption{red}{\@colourred>true}
6136 \newif\if@colourgrey\@colourgreyfalse
6137 \DeclareOption{grey}{\@colourgrey>true}
6138 \DeclareOption*{
6139   \PackageWarning{cvthemebidiclassic}{Unknown option \CurrentOption}}
6140 \ExecuteOptions{colour}
6141 \ProcessOptions\relax
6142 \renewcommand*{\listitemsymbol}{\textbullet}
6143 \firstnamecolour{}
6144 \familynamecolour{}
6145 \titlecolour{808080}
6146 \quotecolour{696969}
6147 \addresscolour{696969}
6148 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
6149 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
6150 \sectiontitlecolour{1E90FF}
6151 \subsectioncolour{4682B4}
6152 \if@colourorange
6153   \addresscolour{FF8C00}
6154   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
6155   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
6156   \sectiontitlecolour{FF8C00}
6157   \subsectioncolour{FF8C00}\fi
6158 \if@colourgreen
6159   \addresscolour{008000}
6160   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
6161   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
6162   \sectiontitlecolour{008000}
6163   \subsectioncolour{008000}\fi
6164 \if@colourred
6165   \addresscolour{FF0000}

```

```

6166 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
6167 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
6168 \sectiontitlecolour{FF0000}
6169 \subsectioncolour{FF0000}\fi
6170 \if@colourgrey
6171 \addresscolour{808080}
6172 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
6173 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
6174 \sectiontitlecolour{808080}
6175 \subsectioncolour{808080}\fi
6176 \renewcommand*{\ttdefault}{pcr}
6177 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
6178 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
6179 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
6180 \renewcommand*{\familynamefont}{\firstnamefont}
6181 \renewcommand*{\quotefont}{\large\slshape}
6182 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
6183 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
6184 \newlength{\maketitlenamemaxwidth}
6185 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
6186 \newlength{\maketitlenamewidth}
6187 \setlength{\maketitlenamewidth}{.525\textwidth}
6188 \newlength{\maketitlepicturewidth}
6189 \ifnum\maketitlenamemaxwidth<\maketitlenamewidth\setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}\fi
6190 \newlength{\maketitlepicturewidth}
6191 \setlength{\maketitlepicturewidth}{\@photowidth}
6192 \newlength{\maketitledetailwidth}
6193 \renewcommand*{\recomputethemelengths}{%
6194 \setlength{\maketitledetailwidth}{\textwidth}%
6195 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
6196 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
6197 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}%
6198 \recomputethemelengths}
6199 \newif\if@firstdetailselement\@firstdetailselementtrue
6200 \newcommand*{\maketitledetailsnewline}{%
6201 \if@firstdetailselement%
6202 \@firstdetailselementfalse%
6203 \else%
6204 \[\[.2em]\fi}
6205 \renewcommand*{\maketitle}{%
6206 % name and title
6207 \begin{minipage}[b]{\maketitlenamewidth}%
6208 \firstnamefont{\@firstname}\familynamefont{\@familyname}%
6209 \ifthenelse{\equal{\@title}{}}{\[\[1.25em]\titlefont{\@title}}%
6210 \end{minipage}%
6211 % optional data
6212 \begin{minipage}[b]{\maketitledetailwidth}%
6213 \bidi@raggedleft\addressfont\addresscolour%
6214 \ifthenelse{\isundefined{\@address}}{\[\[1.25em]\addressfont{\@address}}{\[\[1.25em]\addressfont{\@address}}%
6215 \maketitledetailsnewline%

```

```

6216 \addresssymbol~\\@address}%
6217 \ifthenelse{\isundefined{\@mobile}}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
6218 \ifthenelse{\isundefined{\@phone}}{\maketitledetailsnewline\phonesymbol~\@phone}%
6219 \ifthenelse{\isundefined{\@fax}}{\maketitledetailsnewline\faxsymbol~\@fax}%
6220 \ifthenelse{\isundefined{\@email}}{\maketitledetailsnewline\emailsymbol~\emaillink{\@email}}%
6221 \ifthenelse{\isundefined{\@extrainfo}}{\maketitledetailsnewline\@extrainfo}%
6222 \end{minipage}%
6223 % optional photo
6224 \ifthenelse{\isundefined{\@photo}}%
6225 {}%
6226 {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\separatorcolumnwidth]{\@photo}}}%
6227 % optional quote
6228 \ifthenelse{\isundefined{\@quote}}%
6229 {}%
6230 {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\\}
6231 }

```

7.46 dblfnote-xetex-bidi.def

```

6232 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
6233 \let\autofootnoterule\relax
6234 \let\rightfootnoterule\relax
6235 \let\leftfootnoterule\relax
6236 \let\textwidthfootnoterule\relax
6237 \let\LRfootnoterule\relax
6238 \def\footnoterule{\kern-3\p@
6239 \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
6240 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext}
6241 \let\@footnotetext\dfn@footnotetext
6242 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
6243 \let\insert\dfn@gobble
6244 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
6245 \def\@makefnmark{\smash{\dfn@makefnmark}}
6246 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
6247 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
6248 \ifdim\dfn@dima>\z@\else
6249 \dfn@dima1sp\relax
6250 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
6251 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
6252 \ifvoid\dfn@ins\else
6253 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
6254 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
6255 \setbox\dfn@boxa\copy\dfn@ins
6256 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
6257 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
6258 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
6259 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
6260 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
6261 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext}
6262 \let\@LTRfootnotetext\dfn@LTRfootnotetext

```

```

6263 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
6264     \let\insert\dfn@gobble
6265     \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
6266     \def\@makefnmark{\smash{\dfn@makefnmark}}
6267     \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
6268     \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
6269     \ifdim\dfn@dima>\z@\else
6270         \dfn@dima1sp\relax
6271         \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
6272     \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
6273         \ifvoid\dfn@ins\else
6274             \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
6275             \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
6276     \setbox\dfn@boxa\copy\dfn@ins
6277     \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
6278     \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
6279     \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
6280     \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
6281     \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
6282 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
6283 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
6284 \def\dfn@RTLmakecol{{\ifvoid\footins\else
6285     \dfn@dima\ht\footins
6286     \@tempcnta\z@ \dfn@countins
6287     \@tempdima\z@ \let\@elt\dfn@elt@getht
6288     \dfn@list\@nil
6289     \ifdim\@tempdima=\z@\else
6290     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
6291     \global\setbox\dfn@ins\box\dfn@ins
6292     \@tempswatrue
6293     \ifdfn@trysingle
6294         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
6295         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
6296         \advance\@tempdima-\skip\footins
6297         \advance\@tempdima-\ht\dfn@boxa
6298         \ifdim\@tempdima<\z@\else \@tempswafalse
6299             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
6300                 \footnoterule \unvbox\dfn@boxa}\fi\fi
6301     \if@tempswa
6302     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
6303     \global\setbox\footins\vbox{\hbox{%
6304         \hskip \DFNcolumnwidth
6305         \hskip\DFNcolumnsep
6306         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
6307             \unvbox\dfn@boxb\vss}\hss}
6308         \hskip -\textwidth
6309         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
6310             \vbox to\@tempdima{
6311                 \setbox\@tempboxa\vbox{\footnoterule}
6312                 \ifdfn@ruleboth \unvbox\@tempboxa

```

```

6313                                     \else \@tempdima\ht\@tempboxa
6314                                     \advance\@tempdima\dp\@tempboxa
6315                                     \vskip\@tempdima
6316                                     \prevdepth\dp\@tempboxa \fi
6317                                     \unvbox\dfn@boxa\vss}\fi\hss}
6318                                     \hskip \DFNcolumnsep
6319                                     \hskip \DFNcolumnwidth}}\fi\fi
6320 \global\dfn@fnht\z@
6321 \ifx\dfn@list\@empty\else
6322     \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
6323     \dfn@list \global\advance\dfn@fnht\dfn@dimb
6324     \let\@elt\relax
6325     \ifdim\dfn@dimb>\z@
6326         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
6327         \insert\footins{\floatingpenalty\@MM
6328             \vbox to\dfn@dimb{}}\fi
6329     \ifdim\dfn@fnht>\@tempdima
6330         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
6331         \global\dfn@fnht\@tempdima
6332         \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
6333         \xdef\dfn@afteroutput{\insert\footins{
6334             \floatingpenalty\@MM
6335             \vbox to\number\@tempdimb sp{}}}%
6336         \global\let\noexpand\dfn@afteroutput\relax}%
6337     \fi\fi
6338 \fi}%
6339 \let\footnoterule\relax \dfn@latex@makecol
6340 \let\footnoterule\dfn@footnoterule}
6341 \def\dfn@LTRmakecol{{\ifvoid\footins\else
6342     \dfn@dima\ht\footins
6343     \@tempcnta\z@ \dfn@countins
6344     \@tempdima\z@ \let\@elt\dfn@elt@getht
6345     \dfn@list\@nil
6346     \ifdim\@tempdima=\z@\else
6347         \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
6348         \global\setbox\dfn@ins\box\dfn@ins
6349         \@tempswatrue
6350         \ifdfn@trysingle
6351             \setbox\dfn@boxb\vbox{\unvcopy\@cc1v}\@tempdima\@colroom
6352             \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
6353             \advance\@tempdima-\skip\footins
6354             \advance\@tempdima-\ht\dfn@boxa
6355             \ifdim\@tempdima<\z@\else \@tempswafalse
6356                 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
6357                     \footnoterule \unvbox\dfn@boxa}\fi\fi
6358         \if@tempswa
6359             \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
6360             \global\setbox\footins\vbox{\hbox{%
6361                 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
6362                     \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep

```

```

6363         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
6364         \vbox to\@tempdima{
6365             \setbox\@tempboxa\vbox{\footnoterule}
6366             \ifdfn@ruleboth \unvbox\@tempboxa
6367             \else \@tempdima\ht\@tempboxa
6368                 \advance\@tempdima\dp\@tempboxa
6369                 \vskip\@tempdima
6370                 \prevdepth\dp\@tempboxa \fi
6371             \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
6372 \global\dfn@fnht\z@
6373 \ifx\dfn@list\@empty\else
6374     \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
6375     \dfn@list \global\advance\dfn@fnht\dfn@dimb
6376     \let\@elt\relax
6377     \ifdim\dfn@dimb>\z@
6378         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
6379         \insert\footins{\floatingpenalty\@MM
6380             \vbox to\dfn@dimb{}}\fi
6381     \ifdim\dfn@fnht>\@tempdima
6382         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
6383         \global\dfn@fnht\@tempdima
6384         \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
6385         \xdef\dfn@afteroutput{\insert\footins{
6386             \floatingpenalty\@MM
6387             \vbox to\number\@tempdimb sp{}}}%
6388         \global\let\noexpand\dfn@afteroutput\relax}%
6389     \fi\fi
6390 \fi}%
6391 \let\footnoterule\relax \dfn@latex@makecol
6392 \let\footnoterule\dfn@footnoterule}
6393 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
6394 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
6395 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
6396 \DFNalwaysdouble

```

7.47 draftwatermark-xetex-bidi.def

```

6397 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
6398 \renewcommand\SetWatermarkText[1]{%
6399     \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

7.48 eso-pic-xetex-bidi.def

```

6400 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package]
6401 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
6402     \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}}
6403
6404 \ESO@isMEMOIR{%
6405     \renewcommand\AtTextUpperLeft[1]{%
6406         \begingroup
6407         \ifodd\c@page

```



```

6408         \@tempdima=\spinemargin
6409     \else
6410         \@tempdima=\paperwidth
6411         \advance\@tempdima-\textwidth
6412         \advance\@tempdima-\spinemargin
6413     \fi
6414     \@tempdimb=-\uppermargin
6415     \AtPageUpperLeft{%
6416         \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
6417     }%
6418 \endgroup
6419 }
6420 }{%
6421 \renewcommand\AtTextUpperLeft[1]{%
6422     \begingroup
6423         \@tempdima=1in\relax
6424         \ifodd\c@page
6425             \advance\@tempdima\oddsidemargin
6426         \else
6427             \advance\@tempdima\evensidemargin
6428         \fi
6429         \@tempdimb=-1in\relax
6430         \advance\@tempdimb-\topmargin
6431         \advance\@tempdimb-\headheight
6432         \advance\@tempdimb-\headsep
6433         \AtPageUpperLeft{%
6434             \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
6435         }%
6436     \endgroup
6437 }
6438 }

```

7.49 empheq-xetex-bidi.def

```

6439 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for
6440 \MHInternalSyntaxOn
6441 \def\EQ_tag_plus_endmark:{%
6442     \iftagsleft@
6443         \gdef\maketag@@@##1{%
6444             \hfuzz\displaywidth
6445             \if@RTL\makebox[\widthof{##1}][r]{%
6446                 \hbox to \displaywidth{\m@th\normalfont##1\hss
6447                     \raisebox{-\dp\EQ_mathdisplay_box
6448                         -\depthof{\EQ_outerbox:}}{
6449                         {\PotEndMark{\hss}}}}
6450             \else\makebox[\widthof{##1}][l]{%
6451                 \hbox to \displaywidth{\m@th\normalfont##1\hss
6452                     \raisebox{-\dp\EQ_mathdisplay_box
6453                         -\depthof{\EQ_outerbox:}}{
6454                         {\PotEndMark{\hss}}}}\fi}%

```

```

6455 \else:
6456 \gdef\maketag@@@#1{%
6457 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
6458 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
6459 \MH_addtolength:dn \@tempdima
6460 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
6461 \setlength{\@tempdimb}
6462 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
6463 +\depthof{\EQ_innerbox:}}
6464 \if_dim:w \@tempdima>\@tempdimb
6465 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
6466 -\@tempdima+\g_EQ_bottomrow_depth_dim}
6467 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
6468 \def\EQ_next:{\raisebox{\@tempdima}}%
6469 \else:
6470 \def\EQ_next:{
6471 \raisebox{-\dp\EQ_mathdisplay_box
6472 -\depthof{\EQ_outerbox:}}}%
6473 \fi:\EQ_next:}}}%
6474 \fi:}
6475 \def\EQ_post_process:{%
6476 \EQ_initialize:
6477 \EQ_begin_equation:
6478 \MH_if_boolean:nT {outer_mult}{
6479 \setkeys{MT_options_name:}{
6480 firstline-afterskip=Opt,
6481 lastline-preskip=Opt,
6482 multlined-width=Opt,
6483 }
6484 \ifodd \l_EQ_alignmentmode_int
6485 \setkeys{MT_options_name:}{multlined-pos=b}
6486 \else:
6487 \setkeys{MT_options_name:}{multlined-pos=t}
6488 \fi:
6489 \g@addto@macro\EQ_complete_mathdisplay:{
6490 \begin{MTmultlined}\relax}
6491 }
6492 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
6493 \MH_if_boolean:nT {outer_mult}{
6494 \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
6495 }
6496 \EQ_end_equation:
6497 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
6498 \savecounters@
6499 \EQ_typeset_tags:
6500 \edef\l_EQ_equation_fint{\number\c@equation}
6501 \restorecounters@
6502 \Hy@linkcounter=\EQ_hyperref_link_fint
6503 \settowidth\l_EQ_totalwidth_dim{%
6504 $\EQ_left_side:\EQ_innerbox:}\EQ_right_side:$}%

```

```

6505 \MH_if_boolean:nTF {outer_mult}
6506   { \def\EQ_next:{_mult} }
6507   { \def\EQ_next:{} }
6508 \@nameuse{EQ_modify_linewidth_
6509   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
6510 \EQ_typeset_display:
6511 \@nameuse{find_displaywidth_
6512   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
6513 \MH_addtolength:dn
6514 \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
6515 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
6516   $\EQ_left_side:
6517   \EQ_innerbox:{%
6518     \if_case:w \l_EQ_alignmentmode_int\or:
6519       \makebox[\l_EQ_displaywidth_dim][c]
6520       {\usebox{\EQ_mathdisplay_box}}%
6521     \or:
6522       \makebox[\l_EQ_displaywidth_dim][c]
6523       {\usebox{\EQ_mathdisplay_box}}%
6524     \or:
6525       \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
6526         \if_num:w \l_EQ_equationtype_int=5 \else:
6527           \if_num:w \l_EQ_equationtype_int=6 \else:
6528             \kern-\@mathmargin
6529             \fi:
6530             \fi:
6531             \usebox{\EQ_mathdisplay_box}}%
6532         \else\makebox[\l_EQ_displaywidth_dim][l]{%
6533           \if_num:w \l_EQ_equationtype_int=5 \else:
6534             \if_num:w \l_EQ_equationtype_int=6 \else:
6535               \kern-\@mathmargin
6536               \fi:
6537               \fi:
6538               \usebox{\EQ_mathdisplay_box}}\fi%
6539         \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
6540           \if_num:w \l_EQ_equationtype_int=5 \else:
6541             \if_num:w \l_EQ_equationtype_int=6 \else:
6542               \kern-\@mathmargin
6543               \fi:
6544               \fi:
6545               \usebox{\EQ_mathdisplay_box}}
6546           \else\makebox[\l_EQ_displaywidth_dim][l]{%
6547             \if_num:w \l_EQ_equationtype_int=5 \else:
6548               \if_num:w \l_EQ_equationtype_int=6 \else:
6549                 \kern-\@mathmargin
6550                 \fi:
6551                 \fi:
6552                 \usebox{\EQ_mathdisplay_box}}\fi%
6553             \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
6554               \if_num:w \l_EQ_equationtype_int=5 \else:

```

```

6555 \EQ_right_side:$}%
6556 \begin{AmSequation*}
6557 \@nameuse{EQ_place_display_
6558 \romannumeral\l_EQ_equationtype_int\EQ_next: :}
6559 \if_dim:w \g_EQ_widesttag_dim>\z@
6560 \MH_set_boolean_T:n {show_manual_tags}
6561 \if_case:w \l_EQ_alignmentmode_int
6562 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
6563 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
6564 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
6565 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
6566 \fi:
6567 \fi:
6568 \end{AmSequation*}
6569 \global\c@equation=\l_EQ_equation_fint\relax
6570 }
6571 \AtBeginDocument{%
6572 \ifpackageloaded{fancybox}{%
6573 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
6574 {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
6575 \renewcommand*\shadowbox{%
6576 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
6577 \VerbBox\EQ_shadowbox:n}
6578 {\MH_set_boolean_F:n {shadowbox_star}
6579 \VerbBox\EQ_shadowbox:n}}
6580 \def\EQ_shadowbox:n #1{%
6581 \sbox{\z@}{\fbox{#1}}%
6582 \MH_if_boolean:nTF {shadowbox_star}{
6583 \MH_setlength:dn \@tempdima{\z@}%
6584 }{
6585 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
6586 }
6587 \raisebox{\@tempdima}{%
6588 \if@RTL\makebox[\z@][r]{%
6589 \kern\shadowsize \textcolor{shadowcolor}{%
6590 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
6591 }%
6592 \else\makebox[\z@][l]{%
6593 \kern\shadowsize \textcolor{shadowcolor}{%
6594 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
6595 }%
6596 \usebox\z@\textcolor{shadowcolor}{%
6597 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
6598 }{}%
6599 }
6600 \MHInternalSyntaxOff

```

7.50 extarticle-xetex-bidi.def

```

6601 \ProvidesFile{extarticle-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for extarticle clas

```

```

6602 \renewcommand*\l@section[2]{%
6603   \ifnum \c@tocdepth >\z@
6604     \addpenalty\@secpenalty
6605     \addvspace{1.0em \@plus\p@}%
6606     \setlength\@tempdima{1.5em}%
6607     \begingroup
6608       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6609       \parfillskip -\@pnumwidth
6610       \leavevmode \bfseries
6611       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6612       \hskip -\if@RTL\rightskip\else\leftskip\fi
6613       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6614     \endgroup
6615   \fi}
6616 \renewcommand*\l@part[2]{%
6617 \ifnum \c@tocdepth >-2\relax
6618   \addpenalty\@secpenalty
6619   \addvspace{2.25em \@plus\p@}%
6620   \begingroup
6621     \setlength\@tempdima{3em}%
6622     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6623     \parfillskip -\@pnumwidth
6624     {\leavevmode
6625       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6626     \nobreak
6627   \endgroup
6628 \fi}
6629 \def\@part[#1]#2{%
6630   \ifnum \c@secnumdepth >\m@ne
6631     \refstepcounter{part}%
6632     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
6633   \else
6634     \addcontentsline{toc}{part}{#1}%
6635   \fi
6636   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6637   \interlinepenalty \@M
6638   \normalfont
6639   \ifnum \c@secnumdepth >\m@ne
6640     \Large\bfseries \partname~\thepart
6641     \par\nobreak
6642   \fi
6643   \huge \bfseries #2%
6644   \markboth{}{}\par}%
6645   \nobreak
6646   \vskip 3ex
6647   \@afterheading}
6648 \def\@spart#1{%
6649   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6650   \interlinepenalty \@M
6651   \normalfont

```

```

6652 \huge \bfseries #1\par}%
6653 \nobreak
6654 \vskip 3ex
6655 \@afterheading}
6656 \renewenvironment{thebibliography}[1]
6657 {\section*{\refname
6658 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
6659 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6660 \list{\@biblabel{\@arabic{c@enumiv}}}%
6661 {\settowidth\labelwidth{\@biblabel{#1}}%
6662 \leftmargin\labelwidth
6663 \advance\leftmargin\labelsep
6664 \openbib@code
6665 \usecounter{enumiv}%
6666 \let\p@enumiv\@empty
6667 \renewcommand\theenumiv{\@arabic{c@enumiv}}%
6668 \sloppy\clubpenalty4000\widowpenalty4000%
6669 \sfcode'\. \@m}
6670 {\def\@noitemerr
6671 {\@latex@warning{Empty 'thebibliography' environment}}%
6672 \endlist}
6673 \renewcommand\left@footnoterule{%
6674 \kern-3\p@
6675 \hrule\@width.4\columnwidth
6676 \kern2.6\p@}
6677 \renewcommand\right@footnoterule{%
6678 \hbox to \columnwidth
6679 {\beginR \vbox{%
6680 \kern-3\p@
6681 \hrule\@width.4\columnwidth
6682 \kern2.6\p@}\hfil\endR}}
6683 \if@titlepage
6684 \renewcommand\maketitle{\begin{titlepage}%
6685 \let\footnotesize\small
6686 \let\right@footnoterule\relax
6687 \let\left@footnoterule\relax
6688 \let\textwidth\footnoterule\relax
6689 \let \footnote \thanks
6690 \null\vfil
6691 \vskip 60\p@
6692 \begin{center}%
6693 {\LARGE \@title \par}%
6694 \vskip 3em%
6695 {\large
6696 \lineskip .75em%
6697 \begin{tabular}[t]{c}%
6698 \author
6699 \end{tabular}\par}%
6700 \vskip 1.5em%
6701 {\large \@date \par}% % Set date in \large size.

```

```

6702 \end{center}\par
6703 \@thanks
6704 \vfil\null
6705 \end{titlepage}%
6706 \setcounter{footnote}{0}%
6707 \global\let\thanks\relax
6708 \global\let\maketitle\relax
6709 \global\let\@thanks\@empty
6710 \global\let\@author\@empty
6711 \global\let\@date\@empty
6712 \global\let\@title\@empty
6713 \global\let\title\relax
6714 \global\let\author\relax
6715 \global\let\date\relax
6716 \global\let\and\relax
6717 }
6718 \else
6719 \renewcommand\maketitle{\par
6720 \begingroup
6721 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6722 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6723 \long\def\@makefntext##1{\parindent 1em\noindent
6724 \hb@xt@1.8em{%
6725 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6726 \if@twocolumn
6727 \ifnum \col@number=\@ne
6728 \@maketitle
6729 \else
6730 \twocolumn[\@maketitle]%
6731 \fi
6732 \else
6733 \newpage
6734 \global\@topnum\z@ % Prevents figures from going at top of page.
6735 \@maketitle
6736 \fi
6737 \thispagestyle{plain}\@thanks
6738 \endgroup
6739 \setcounter{footnote}{0}%
6740 \global\let\thanks\relax
6741 \global\let\maketitle\relax
6742 \global\let\@maketitle\relax
6743 \global\let\@thanks\@empty
6744 \global\let\@author\@empty
6745 \global\let\@date\@empty
6746 \global\let\@title\@empty
6747 \global\let\title\relax
6748 \global\let\author\relax
6749 \global\let\date\relax
6750 \global\let\and\relax
6751 }

```

```

6752 \def\@maketitle{%
6753   \newpage
6754   \null
6755   \vskip 2em%
6756   \begin{center}%
6757   \let \footnote \thanks
6758     {\LARGE \@title \par}%
6759     \vskip 1.5em%
6760     {\large
6761       \lineskip .5em%
6762       \begin{tabular}[t]{c}%
6763         \@author
6764         \end{tabular}\par}%
6765     \vskip 1em%
6766     {\large \@date}%
6767   \end{center}%
6768   \par
6769   \vskip 1.5em}
6770 \fi
6771 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
6772 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6773 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6774 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

7.51 extbook-xetex-bidi.def

```

6775 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for
6776 \if@titlepage
6777 \renewcommand\maketitle{\begin{titlepage}%
6778 \let\footnotesize\small
6779 \let\right@footnoterule\relax
6780 \let\left@footnoterule\relax
6781 \let\textwidth@footnoterule\relax
6782 \let \footnote \thanks
6783 \let \LTRfootnote \LTRthanks
6784 \let \RTLfootnote \RTLthanks
6785 \null\vfil
6786 \vskip 60\p@
6787 \begin{center}%
6788   {\LARGE \@title \par}%
6789   \vskip 3em%
6790   {\large
6791     \lineskip .75em%
6792     \begin{tabular}[t]{c}%
6793       \@author
6794       \end{tabular}\par}%
6795     \vskip 1.5em%
6796     {\large \@date \par}%           % Set date in \large size.
6797 \end{center}\par
6798 \@thanks

```



```

6799 \vfil\null
6800 \end{titlepage}%
6801 \setcounter{footnote}{0}%
6802 \global\let\thanks\relax
6803 \global\let\LTRthanks\relax
6804 \global\let\RTLthanks\relax
6805 \global\let\maketitle\relax
6806 \global\let\@thanks\@empty
6807 \global\let\@author\@empty
6808 \global\let\@date\@empty
6809 \global\let\@title\@empty
6810 \global\let\title\relax
6811 \global\let\author\relax
6812 \global\let\date\relax
6813 \global\let\and\relax
6814 }
6815 \else
6816 \renewcommand\maketitle{\par
6817 \begingroup
6818 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6819 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6820 \long\def\@makefntext##1{\parindent 1em\noindent
6821 \hb@xt@1.8em{%
6822 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6823 \if@twocolumn
6824 \ifnum \col@number=\@ne
6825 \@maketitle
6826 \else
6827 \twocolumn[\@maketitle]%
6828 \fi
6829 \else
6830 \newpage
6831 \global\@topnum\z@ % Prevents figures from going at top of page.
6832 \@maketitle
6833 \fi
6834 \thispagestyle{plain}\@thanks
6835 \endgroup
6836 \setcounter{footnote}{0}%
6837 \global\let\thanks\relax
6838 \global\let\LTRthanks\relax
6839 \global\let\RTLthanks\relax
6840 \global\let\maketitle\relax
6841 \global\let\@maketitle\relax
6842 \global\let\@thanks\@empty
6843 \global\let\@author\@empty
6844 \global\let\@date\@empty
6845 \global\let\@title\@empty
6846 \global\let\title\relax
6847 \global\let\author\relax
6848 \global\let\date\relax

```

```

6849 \global\let\and\relax
6850 }
6851 \def\@maketitle{%
6852   \newpage
6853   \null
6854   \vskip 2em%
6855   \begin{center}%
6856     \let \footnote \thanks
6857     \let \LTRfootnote \LTRthanks
6858     \let \RTLfootnote \RTLthanks
6859     {\LARGE \@title \par}%
6860     \vskip 1.5em%
6861     {\large
6862       \lineskip .5em%
6863       \begin{tabular}[t]{c}%
6864         \@author
6865         \end{tabular}\par}%
6866     \vskip 1em%
6867     {\large \@date}%
6868   \end{center}%
6869   \par
6870   \vskip 1.5em}
6871 \fi
6872 \renewcommand*\l@part[2]{%
6873   \ifnum \c@tocdepth >-2\relax
6874     \addpenalty{-\@highpenalty}%
6875     \addvspace{2.25em \@plus\p@}%
6876     \begingroup
6877       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6878       \parfillskip -\@pnumwidth
6879       {\leavevmode
6880         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6881       \nobreak
6882       \global\@nobreaktrue
6883       \everypar{\global\@nobreakfalse\everypar{}}%
6884     \endgroup
6885   \fi}
6886 \renewcommand\theequation
6887   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6888 \renewcommand \thefigure
6889   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6890 \renewcommand \thetable
6891   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6892 \renewcommand \thechapter {\@arabic\c@chapter}
6893 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6894 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6895 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
6896 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
6897 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
6898 \def\@makechapterhead#1{%

```

```

6899 \vspace*{50\p@}%
6900 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6901 \ifnum \c@secnumdepth >\m@ne
6902 \if@mainmatter
6903 \huge\bfseries \@chapapp\space \thechapter
6904 \par\nobreak
6905 \vskip 20\p@
6906 \fi
6907 \fi
6908 \interlinepenalty\@M
6909 \Huge \bfseries #1\par\nobreak
6910 \vskip 40\p@
6911 }}
6912
6913 \def\@makeschapterhead#1{%
6914 \vspace*{50\p@}%
6915 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6916 \normalfont
6917 \interlinepenalty\@M
6918 \Huge \bfseries #1\par\nobreak
6919 \vskip 40\p@
6920 }}
6921 \renewcommand\backmatter{%
6922 \if@openright
6923 \cleardoublepage
6924 \else
6925 \clearpage
6926 \fi
6927 \@mainmatterfalse}
6928 \renewenvironment{thebibliography}[1]
6929 {\chapter*{\bibname
6930 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
6931 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6932 \list{\@biblabel{\@arabic\c@enumiv}}%
6933 {\settowidth\labelwidth{\@biblabel{#1}}%
6934 \leftmargin\labelwidth
6935 \advance\leftmargin\labelsep
6936 \@openbib@code
6937 \usecounter{enumiv}%
6938 \let\p@enumiv\@empty
6939 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6940 \sloppy
6941 \clubpenalty4000
6942 \@clubpenalty \clubpenalty
6943 \widowpenalty4000%
6944 \sfcode'\.\@m}
6945 {\def\@noitemerr
6946 {\@latex@warning{Empty 'thebibliography' environment}}%
6947 \endlist}

```

7.52 extletter-xetex-bidi.def

```
6948 \ProvidesFile{extletter-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for extletter class
6949 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
6950 \thispagestyle{firstpage}%
6951 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
6952 \else % home address
6953 \thispagestyle{empty}%
6954 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignores
6955 \fromaddress \*[2\parskip]%
6956 \@date \end{tabular}\par}%
6957 \fi
6958 \vspace{2\parskip}%
6959 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
6960 \vspace{2\parskip}%
6961 #1\par\nobreak}
6962 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
6963 \stopbreaks
6964 \noindent
6965 \ifx\@empty\fromaddress\else
6966 \hspace*{\longindentation}\fi
6967 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
6968 \ignorespaces #1\ \[6\medskipamount]%
6969 \ifx\@empty\fromsig
6970 \fromname
6971 \else \fromsig \fi\strut}%
6972 \par}
6973 \renewcommand\left@footnoterule{%
6974 \kern-\p@
6975 \hrule \@width .4\columnwidth
6976 \kern .6\p@}
6977 \renewcommand\right@footnoterule{%
6978 \hbox to \columnwidth
6979 {\beginR \vbox{%
6980 \kern-\p@
6981 \hrule \@width .4\columnwidth
6982 \kern .6\p@}\hfil\endR}}
```

7.53 extrafootnotefeatures-xetex-bidi.def

```
6983 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2012/12/12 v0.4 bidi extra footnote featu
6984 \let\autofootnoterule\relax
6985 \let\rightfootnoterule\relax
6986 \let\leftfootnoterule\relax
6987 \let\textwidthfootnoterule\relax
6988 \let\LRfootnoterule\relax
6989 \def\footnoterule{\kern-3\p@
6990 \hrule \@width \columnwidth \kern 2.6\p@}
6991 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
6992 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
6993 \renewcommand{\@footnotetext}[1]{%
```

```

6994 \insert\footins{%
6995 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
6996 \def\baselinestretch{\m@m@footnote@spacing}%
6997 \reset@font
6998 \foottextfont
6999 \@preamfntext
7000 \hsize\columnwidth
7001 \protected@edef\@currentlabel{%
7002 \csname p@footnote\endcsname\@thefnmark}%
7003 \color@begingroup
7004 \makefnfntext{%
7005 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
7006 \@finalstrut\strutbox}%
7007 \color@endgroup}%
7008 \m@m@mmf@prepare}
7009 \renewcommand{\@RTLfootnotetext}[1]{%
7010 \insert\footins{%
7011 \@RTLtrue%
7012 \def\baselinestretch{\m@m@footnote@spacing}%
7013 \reset@font
7014 \RTLfoottextfont
7015 \@preamfntext
7016 \hsize\columnwidth
7017 \protected@edef\@currentlabel{%
7018 \csname p@footnote\endcsname\@thefnmark}%
7019 \color@begingroup
7020 \makefnfntext{%
7021 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
7022 \@finalstrut\strutbox}%
7023 \color@endgroup}%
7024 \m@m@mmf@prepare}
7025 \renewcommand{\@LTRfootnotetext}[1]{%
7026 \insert\footins{%
7027 \@RTLfalse%
7028 \def\baselinestretch{\m@m@footnote@spacing}%
7029 \reset@font
7030 \LTRfoottextfont
7031 \@preamfntext
7032 \hsize\columnwidth
7033 \protected@edef\@currentlabel{%
7034 \csname p@footnote\endcsname\@thefnmark}%
7035 \color@begingroup
7036 \makefnfntext{%
7037 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
7038 \@finalstrut\strutbox}%
7039 \color@endgroup}%
7040 \m@m@mmf@prepare}
7041 \renewcommand{\@mpfootnotetext}[1]{%
7042 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7043 \unvbox\@mpfootins

```

```

7044 \def\baselinestretch{\m@m@footnote@spacing}%
7045 \foottextfont \hsize\columnwidth \@parboxrestore
7046 \protected@edef\@currentlabel{%
7047 \csname p@mpfootnote\endcsname\@thefnmark}%
7048 \color@begingroup
7049 \reset@font%
7050 \makefnfntext{%
7051 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
7052 \@finalstrut\strutbox}%
7053 \color@endgroup}}
7054 \renewcommand{\@mpLTRfootnotetext}[1]{%
7055 \global\setbox\@mpfootins\vbox{\@RTLfalse%
7056 \unvbox\@mpfootins
7057 \def\baselinestretch{\m@m@footnote@spacing}%
7058 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
7059 \protected@edef\@currentlabel{%
7060 \csname p@mpfootnote\endcsname\@thefnmark}%
7061 \color@begingroup
7062 \reset@font%
7063 \makefnfntext{%
7064 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
7065 \@finalstrut\strutbox}%
7066 \color@endgroup}}
7067 \renewcommand{\@mpRTLfootnotetext}[1]{%
7068 \global\setbox\@mpfootins\vbox{\@RTLtrue%
7069 \unvbox\@mpfootins
7070 \def\baselinestretch{\m@m@footnote@spacing}%
7071 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
7072 \protected@edef\@currentlabel{%
7073 \csname p@mpfootnote\endcsname\@thefnmark}%
7074 \color@begingroup
7075 \reset@font%
7076 \makefnfntext{%
7077 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
7078 \@finalstrut\strutbox}%
7079 \color@endgroup}}
7080 \let\m@mold@footnotetext\@footnotetext
7081 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
7082 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
7083 \let\m@mold@mpfootnotetext\@mpfootnotetext
7084 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
7085 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
7086 \bidi@ensure@newcommand{\normalfootnotes}{%
7087 \let\@footnotetext\m@mold@footnotetext
7088 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
7089 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
7090 \let\@mpfootnotetext\m@mold@mpfootnotetext
7091 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
7092 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
7093 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%

```

```

7094 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestruer}
7095 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotesfalse}
7096 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
7097   \def\m@m@singlespace{#1}%
7098   \def\m@m@footnote@spacing{#1}%
7099   \def\m@m@float@spacing{#1} %
7100 }
7101 \setSingleSpace{1}
7102 \newinsert\sideins
7103 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
7104 \bidi@ensure@newcommand*{\m@m@m@prepare}{%
7105   \kern-\multiplefootnotemarker
7106   \kern\multiplefootnotemarker\relax}
7107 \bidi@ensure@newlength{\footmarkwidth}
7108 \bidi@ensure@newlength{\footmarksep}
7109 \bidi@ensure@newlength{\footparindent}
7110 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
7111 \bidi@ensure@newcommand{\footfootmark}{%
7112   \ifdim\footmarkwidth < \z@
7113     \llap{\hb@xt@ -\footmarkwidth{%
7114       \hss\normalfont\footscript{\@thefnmark}}}%
7115     \hspace*{-\footmarkwidth}}%
7116   \else
7117     \ifdim\footmarkwidth = \z@
7118       {\normalfont\footscript{\@thefnmark}}%
7119     \else
7120       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
7121     \fi
7122   \fi}
7123 \footmarkstyle{\textsuperscript{#1}}
7124 \setlength{\footmarkwidth}{1.8em}
7125 \setlength{\footparindent}{1em}
7126 \bidi@ensure@newcommand{\m@m@doextrafeet}{\extrafeetins}
7127 \bidi@ensure@newcommand*{\extrafeetins}{%
7128   \setbox\@outputbox \vbox{%
7129     \boxmaxdepth \@maxdepth
7130     \unvbox\@outputbox
7131     \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
7132     \extrafeetinshook}}
7133 \bidi@ensure@newcommand{\extrafeetinshook}{}
7134 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
7135 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
7136 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
7137 \bidi@ensure@newlength{\footinsdim}
7138 \setlength{\footinsdim}{8in} % standard for \dimen\footins
7139 \bidi@ensure@newcommand{\@preamfntext}{%
7140   \interlinepenalty\interfootnotelinepenalty
7141   \floatingpenalty \@MM
7142   \splittopskip=\footnotesep
7143   \splitmaxdepth=\dp\strutbox

```

```

7144 \@parboxrestore}
7145 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
7146   \extrafeetminihook}
7147 \bidi@ensure@newcommand{\extrafeetendmini}{%
7148   \ifvoid\@mpfootinsv@r\else
7149     \vskip\skip\@mpfootins
7150     \normalcolor\footnoterule\mp@footgroupv@r
7151   \fi
7152   \extrafeetendminihook}
7153 \bidi@ensure@newcommand{\extrafeetendminihook}{%
7154 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
7155 \def\endminipage{%
7156   \par
7157   \unskip
7158   \ifvoid\@mpfootins\else
7159     \vskip\skip\@mpfootins
7160     \normalcolor
7161     \footnoterule
7162     \unvbox\@mpfootins
7163   \fi
7164   \m@mdoextrafeetendmini
7165   \@minipagefalse
7166   \color@endgroup
7167   \egroup
7168   \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
7169 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
7170   \@namedef{\@footstart#1}{%
7171     \vskip\bigskipamount
7172     \leftskip=\z@
7173     \rightskip=\z@
7174     \footnoterule}}
7175 \newinsert\footinsv@r
7176 \skip\footinsv@r\bigskipamount
7177 \count\footinsv@r=1000 % no magnification
7178 \dimen\footinsv@r=\footinsdim
7179 \m@make@footstart{v@r}
7180 \bidi@ensure@newcommand{\@footgroupv@r}{%
7181 \newinsert\@mpfootinsv@r
7182 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
7183 \newcount\m@m@k \newdimen\m@m@h
7184 \@ifpackageloaded{multicol}{%
7185 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
7186   \hsize\textwidth
7187   \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
7188     \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
7189 }{%
7190 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
7191   \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
7192     \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
7193 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff

```



```

7194 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
7195 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
7196 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
7197 \setbox2 \vsplit0 to \dimen0
7198 \unvbox2 }
7199 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
7200 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
7201 \let\@footnotetext\@twocolfootnotetext
7202 \let\@LTRfootnotetext\@twocolLTRfootnotetext
7203 \let\@RTLfootnotetext\@twocolRTLfootnotetext
7204 \dimen\footinsv@r=2\footinsdim
7205 \count\footinsv@r=500\relax
7206 \m@make@twocol@footgroup{v@r}%
7207 \let\@footgroupv@r\@twocol@footgroupv@r
7208 \let\@mpfootnotetext\@mptwocolfootnotetext
7209 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
7210 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
7211 \m@make@mptwocol@footgroup{v@r}%
7212 \let\mp@footgroupv@r\@mptwocol@footgroupv@r}
7213 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
7214 \def\baselinestretch{\m@m@footnote@spacing}%
7215 \reset@font\foottextfont
7216 \@preamfntext
7217 \protected@edef\@currentlabel{%
7218 \csname p@footnote\endcsname\@thefnmark}%
7219 \color@begingroup
7220 \@twocolfootfmt{#1}%
7221 \color@endgroup}%
7222 \m@mmf@prepare}
7223 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
7224 \def\baselinestretch{\m@m@footnote@spacing}%
7225 \reset@font\LTRfoottextfont
7226 \@preamfntext
7227 \protected@edef\@currentlabel{%
7228 \csname p@footnote\endcsname\@thefnmark}%
7229 \color@begingroup
7230 \@twocolLTRfootfmt{#1}%
7231 \color@endgroup}%
7232 \m@mmf@prepare}
7233 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
7234 \def\baselinestretch{\m@m@footnote@spacing}%
7235 \reset@font\RTLfoottextfont
7236 \@preamfntext
7237 \protected@edef\@currentlabel{%
7238 \csname p@footnote\endcsname\@thefnmark}%
7239 \color@begingroup
7240 \@twocolRTLfootfmt{#1}%
7241 \color@endgroup}%
7242 \m@mmf@prepare}
7243 \bidi@ensure@newcommand{\@preamtwofmt}{%

```

```

7244 \hsize .45\hsize
7245 \parindent=\z@
7246 \tolerance=5000\relax
7247 \leavevmode}
7248 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
7249 \@preamtwofmt
7250 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7251 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
7252 \@preamtwofmt
7253 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7254 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
7255 \@preamtwofmt
7256 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7257 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
7258 \global\setbox\@mpfootinsv\@rbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7259 \unvbox\@mpfootinsv\@r
7260 \def\baselinestretch{\m@m@footnote@spacing}%
7261 \reset@font\foottextfont
7262 \hsize\columnwidth \@parboxrestore
7263 \protected@edef\@currentlabel{%
7264 \csname p@mpfootnote\endcsname\@thefnmark}%
7265 \color@begingroup
7266 \@twocolfootfmt{#1}%
7267 \color@endgroup}%
7268 \m@m@mmf@prepare}
7269 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
7270 \global\setbox\@mpfootinsv\@rbox{\@RTLfalse%
7271 \unvbox\@mpfootinsv\@r
7272 \def\baselinestretch{\m@m@footnote@spacing}%
7273 \reset@font\LTRfoottextfont
7274 \hsize\columnwidth \@parboxrestore
7275 \if@RTLcolumnfootnotes\beginL\fi
7276 \protected@edef\@currentlabel{%
7277 \csname p@mpfootnote\endcsname\@thefnmark}%
7278 \color@begingroup
7279 \@twocolLTRfootfmt{#1}%
7280 \color@endgroup}%
7281 \m@m@mmf@prepare}
7282 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
7283 \global\setbox\@mpfootinsv\@rbox{\@RTLtrue%
7284 \unvbox\@mpfootinsv\@r
7285 \def\baselinestretch{\m@m@footnote@spacing}%
7286 \reset@font\RTLfoottextfont
7287 \hsize\columnwidth \@parboxrestore
7288 \protected@edef\@currentlabel{%
7289 \csname p@mpfootnote\endcsname\@thefnmark}%
7290 \color@begingroup
7291 \@twocolRTLfootfmt{#1}%
7292 \color@endgroup}%
7293 \m@m@mmf@prepare}

```

```

7294 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
7295   \m@make@twocolfootnotetext{#1}%
7296   \m@make@mptwocolfootnotetext{#1}%
7297   \m@make@twocolfootfmt{#1}%
7298   \m@make@twocol@footgroup{#1}%
7299   \m@make@mptwocol@footgroup{#1}%
7300   \m@make@footstart{#1}%
7301   \bidi@namelongdef{@footnotetext#1}##1{%
7302     \@nameuse{@twocolfootnotetext#1}{##1}}%
7303   \bidi@namelongdef{@mpfootnotetext#1}##1{%
7304     \@nameuse{@mptwocolfootnotetext#1}{##1}}%
7305   \@namedef{@footgroup#1}{\@nameuse{@twocol@footgroup#1}}%
7306   \@namedef{@mp@footgroup#1}{\@nameuse{@mptwocol@footgroup#1}}%
7307   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
7308   \expandafter\count\csname footins#1\endcsname=500\relax}
7309 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
7310   \bidi@namelongdef{@twocolfootnotetext#1}##1{%
7311     \insert\@nameuse{footins#1}{%
7312       \def\baselinestretch{\m@m@footnote@spacing}%
7313       \reset@font\@nameuse{foottextfont#1}%
7314       \@preamfntext
7315       \protected@edef\@currentlabel{%
7316         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
7317       \color@begingroup
7318         \@nameuse{@twocolfootfmt#1}{##1}%
7319       \color@endgroup}%
7320     \m@mmf@prepare}}
7321 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
7322   \bidi@namelongdef{@mptwocolfootnotetext#1}##1{%
7323     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
7324       \unvbox\@nameuse{@mpfootins#1}
7325       \def\baselinestretch{\m@m@footnote@spacing}%
7326       \reset@font\@nameuse{foottextfont#1}%
7327       \hsize\columnwidth \@parboxrestore
7328       \protected@edef\@currentlabel{%
7329         \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
7330       \color@begingroup
7331         \@nameuse{@twocolfootfmt#1}{##1}%
7332       \color@endgroup}\m@mmf@prepare}}
7333 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
7334   \@namedef{@twocolfootfmt#1}##1{%
7335     \@preamtwofmt
7336     {\@nameuse{footfootmark#1}\strut
7337      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
7338 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
7339   \@namedef{@twocol@footgroup#1}{%
7340     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7341     \m@rmrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}%
7342 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
7343   \@namedef{@mptwocol@footgroup#1}{%

```

```

7344 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7345 \m@r rigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
7346 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
7347 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
7348 \let\@footnotetext\@threecolfootnotetext
7349 \let\@LTRfootnotetext\@threecolLTRfootnotetext
7350 \let\@RTLfootnotetext\@threecolRTLfootnotetext
7351 \dimen\footinsv@r=3\footinsdim
7352 \count\footinsv@r=333\relax
7353 \m@make@threecol@footgroup{v@r}%
7354 \let\@footgroupv@r\@threecol@footgroupv@r
7355 \let\@mpfootnotetext\@mpthreecolfootnotetext
7356 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
7357 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
7358 \m@make@mpthreecol@footgroup{v@r}%
7359 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
7360 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
7361 \def\baselinestretch{\m@m@footnote@spacing}%
7362 \reset@font\foottextfont
7363 \@preamfntext
7364 \protected@edef\@currentlabel{%
7365 \csname p@footnote\endcsname\@thefnmark}%
7366 \color@begingroup
7367 \@threecolfootfmt{#1}%
7368 \color@endgroup}\m@mmf@prepare}
7369 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
7370 \def\baselinestretch{\m@m@footnote@spacing}%
7371 \reset@font\LTRfoottextfont
7372 \@preamfntext
7373 \protected@edef\@currentlabel{%
7374 \csname p@footnote\endcsname\@thefnmark}%
7375 \color@begingroup
7376 \@threecolLTRfootfmt{#1}%
7377 \color@endgroup}\m@mmf@prepare}
7378 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
7379 \def\baselinestretch{\m@m@footnote@spacing}%
7380 \reset@font\RTLfoottextfont
7381 \@preamfntext
7382 \protected@edef\@currentlabel{%
7383 \csname p@footnote\endcsname\@thefnmark}%
7384 \color@begingroup
7385 \@threecolRTLfootfmt{#1}%
7386 \color@endgroup}\m@mmf@prepare}
7387 \bidi@ensure@newcommand{\@preamthreefmt}{%
7388 \hsize .3\hsize
7389 \parindent=\z@
7390 \tolerance=5000\relax
7391 \leavevmode}
7392 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
7393 \@preamthreefmt

```

```

7394 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7395 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
7396   \@preamthreefmt
7397   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7398 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
7399   \@preamthreefmt
7400   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7401 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
7402   \global\setbox\@mpfootinsv\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7403     \unvbox\@mpfootinsv\@r
7404     \def\baselinestretch{\m@mm@footnote@spacing}%
7405     \reset@font\foottextfont
7406     \hsize\columnwidth \@parboxrestore
7407     \protected@edef\@currentlabel{%
7408       \csname p@mpfootnote\endcsname\@thefnmark}%
7409   \color@begingroup
7410     \@threecolfootfmt{#1}%
7411   \color@endgroup}\m@mmf@prepare}
7412 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
7413   \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
7414     \unvbox\@mpfootinsv\@r
7415     \def\baselinestretch{\m@mm@footnote@spacing}%
7416     \reset@font\LTRfoottextfont
7417     \hsize\columnwidth \@parboxrestore
7418     \if@RTLcolumnfootnotes\beginL\fi
7419     \protected@edef\@currentlabel{%
7420       \csname p@mpfootnote\endcsname\@thefnmark}%
7421   \color@begingroup
7422     \@threecolLTRfootfmt{#1}%
7423   \color@endgroup}\m@mmf@prepare}
7424 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
7425   \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
7426     \unvbox\@mpfootinsv\@r
7427     \def\baselinestretch{\m@mm@footnote@spacing}%
7428     \reset@font\RTLfoottextfont
7429     \hsize\columnwidth \@parboxrestore
7430     \protected@edef\@currentlabel{%
7431       \csname p@mpfootnote\endcsname\@thefnmark}%
7432   \color@begingroup
7433     \@threecolRTLfootfmt{#1}%
7434   \color@endgroup}\m@mmf@prepare}
7435 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
7436   \m@make@threecolfootnotetext{#1}%
7437   \m@make@mpthreecolfootnotetext{#1}%
7438   \m@make@threecolfootfmt{#1}%
7439   \m@make@threecol@footgroup{#1}%
7440   \m@make@mpthreecol@footgroup{#1}%
7441   \m@make@footstart{#1}%
7442   \bidi@namelongdef{\footnotetext#1}##1{%
7443     \@nameuse{\@threecolfootnotetext#1}{##1}}%

```

```

7444 \bidi@namelongdef{@mpfootnotetext#1}##1{%
7445   \@nameuse{@mpthreecolfootnotetext#1}{##1}}%
7446 \@namedef{@footgroup#1}{\@nameuse{@threecol@footgroup#1}}%
7447 \@namedef{mp@footgroup#1}{\@nameuse{@mpthreecol@footgroup#1}}%
7448 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
7449 \expandafter\count\csname footins#1\endcsname=333\relax}
7450 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
7451 \bidi@namelongdef{@threecolfootnotetext#1}##1{%
7452   \insert\@nameuse{footins#1}{%
7453     \def\baselinestretch{\m@make@footnote@spacing}%
7454     \reset@font\@nameuse{foottextfont#1}%
7455     \@preamfntext
7456     \protected@edef\@currentlabel{%
7457       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
7458     \color@begingroup
7459       \@nameuse{@threecolfootfmt#1}{##1}%
7460     \color@endgroup}\m@mmf@prepare}}
7461 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
7462 \bidi@namelongdef{@mpthreecolfootnotetext#1}##1{%
7463   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
7464     \unvbox\@nameuse{@mpfootins#1}
7465     \def\baselinestretch{\m@make@footnote@spacing}%
7466     \reset@font\@nameuse{foottextfont#1}%
7467     \hsize\columnwidth \@parboxrestore
7468     \protected@edef\@currentlabel{%
7469       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
7470     \color@begingroup
7471       \@nameuse{@threecolfootfmt#1}{##1}%
7472     \color@endgroup}\m@mmf@prepare}}
7473 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
7474 \bidi@namelongdef{@threecolfootfmt#1}##1{%
7475   \@preamthreelfmt
7476   {\@nameuse{footfootmark#1}}\strut
7477   {\@nameuse{foottextfont#1}}##1}\strut\par}\allowbreak}}
7478 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
7479 \@namedef{@threecol@footgroup#1}{%
7480   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7481   \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}%
7482 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
7483 \@namedef{@mpthreecol@footgroup#1}{%
7484   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7485   \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}{\splittopskip}}}%
7486 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
7487 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
7488 \let\@footnotetext\@fourcolfootnotetext
7489 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
7490 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
7491 \dimen\footinsv@r=4\footinsdim
7492 \count\footinsv@r=250\relax
7493 \m@make@fourcol@footgroup{v@r}%

```

```

7494 \let\@footgroupv@r\@fourcol@footgroupv@r
7495 \let\@mpfootnotetext\@mpfourcolfootnotetext
7496 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
7497 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
7498 \m@make@mpfourcol@footgroup{v@r}%
7499 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
7500 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
7501 \def\baselinestretch{\m@m@footnote@spacing}%
7502 \reset@font\foottextfont
7503 \@preamfntext
7504 \protected@edef\@currentlabel{%
7505 \csname p@footnote\endcsname\@thefnmark}%
7506 \color@begingroup
7507 \@fourcolfootfmt{#1}%
7508 \color@endgroup}%
7509 \m@mmf@prepare}
7510 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
7511 \def\baselinestretch{\m@m@footnote@spacing}%
7512 \reset@font\LTRfoottextfont
7513 \@preamfntext
7514 \protected@edef\@currentlabel{%
7515 \csname p@footnote\endcsname\@thefnmark}%
7516 \color@begingroup
7517 \@fourcolLTRfootfmt{#1}%
7518 \color@endgroup}%
7519 \m@mmf@prepare}
7520 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
7521 \def\baselinestretch{\m@m@footnote@spacing}%
7522 \reset@font\RTLfoottextfont
7523 \@preamfntext
7524 \protected@edef\@currentlabel{%
7525 \csname p@footnote\endcsname\@thefnmark}%
7526 \color@begingroup
7527 \@fourcolRTLfootfmt{#1}%
7528 \color@endgroup}%
7529 \m@mmf@prepare}
7530 \bidi@ensure@newcommand{\@preamfourfmt}{%
7531 \hspace{.25\hspace}
7532 \parindent=\z@
7533 \tolerance=5000\relax
7534 \leavevmode}
7535 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
7536 \@preamfourfmt
7537 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7538 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
7539 \@preamfourfmt
7540 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7541 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
7542 \@preamfourfmt
7543 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}

```

```

7544 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
7545   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7546     \unvbox\@mpfootinsv@r
7547     \def\baselinestretch{\m@mm@footnote@spacing}%
7548     \reset@font\foottextfont
7549     \hsize\columnwidth \@parboxrestore
7550     \protected@edef\@currentlabel{%
7551       \csname p@mpfootnote\endcsname\@thefnmark}%
7552   \color@begingroup
7553     \@fourcolfootfmt{#1}%
7554   \color@endgroup}%
7555   \m@mmf@prepare}
7556 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
7557   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
7558     \unvbox\@mpfootinsv@r
7559     \def\baselinestretch{\m@mm@footnote@spacing}%
7560     \reset@font\LTRfoottextfont
7561     \hsize\columnwidth \@parboxrestore
7562     \if@RTLcolumnfootnotes\beginL\fi
7563     \protected@edef\@currentlabel{%
7564       \csname p@mpfootnote\endcsname\@thefnmark}%
7565   \color@begingroup
7566     \@fourcolLTRfootfmt{#1}%
7567   \color@endgroup}%
7568   \m@mmf@prepare}
7569 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
7570   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
7571     \unvbox\@mpfootinsv@r
7572     \def\baselinestretch{\m@mm@footnote@spacing}%
7573     \reset@font\RTLfoottextfont
7574     \hsize\columnwidth \@parboxrestore
7575     \protected@edef\@currentlabel{%
7576       \csname p@mpfootnote\endcsname\@thefnmark}%
7577   \color@begingroup
7578     \@fourcolRTLfootfmt{#1}%
7579   \color@endgroup}%
7580   \m@mmf@prepare}
7581 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
7582   \m@make@fourcolfootnotetext{#1}%
7583   \m@make@mpfourcolfootnotetext{#1}%
7584   \m@make@fourcolfootfmt{#1}%
7585   \m@make@fourcol@footgroup{#1}%
7586   \m@make@mpfourcol@footgroup{#1}%
7587   \m@make@footstart{#1}%
7588   \bidi@namelongdef{\footnotetext#1}##1{%
7589     \@nameuse{\@fourcolfootnotetext#1}{##1}}%
7590   \bidi@namelongdef{\mpfootnotetext#1}##1{%
7591     \@nameuse{\@mpfourcolfootnotetext#1}{##1}}%
7592   \@namedef{\@footgroup#1}{\@nameuse{\@fourcol@footgroup#1}}%
7593   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfourcol@footgroup#1}}%

```



```

7594 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
7595 \expandafter\count\csname footins#1\endcsname=500\relax}
7596 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
7597 \bidi@namelongdef{@fourcolfootnotetext#1}##1{%
7598 \insert\@nameuse{footins#1}{%
7599 \def\baselinestretch{\m@mm@footnote@spacing}%
7600 \reset@font\@nameuse{foottextfont#1}%
7601 \@preamfntext
7602 \protected@edef\@currentlabel{%
7603 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
7604 \color@begingroup
7605 \@nameuse{@fourcolfootfmt#1}##1}%
7606 \color@endgroup}%
7607 \m@mmf@prepare}}
7608 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
7609 \bidi@namelongdef{@mpfourcolfootnotetext#1}##1{%
7610 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
7611 \unvbox\@nameuse{@mpfootins#1}
7612 \def\baselinestretch{\m@mm@footnote@spacing}%
7613 \reset@font\@nameuse{foottextfont#1}%
7614 \hsize\columnwidth \@parboxrestore
7615 \protected@edef\@currentlabel{%
7616 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
7617 \color@begingroup
7618 \@nameuse{@fourcolfootfmt#1}##1}%
7619 \color@endgroup}\m@mmf@prepare}}
7620 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
7621 \@namedef{@fourcolfootfmt#1}##1{%
7622 \@preamfourfmt
7623 {\@nameuse{footfootmark#1}\strut
7624 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
7625 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
7626 \@namedef{@fourcol@footgroup#1}{%
7627 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7628 \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
7629 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
7630 \@namedef{@mpfourcol@footgroup#1}{%
7631 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7632 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}}
7633 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
7634 \@namedef{foottextfontv#r}{\foottextfont}% % [RS]
7635 \let\@footnotetext\@fivecolfootnotetext
7636 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
7637 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
7638 \dimen\footinsv#r=5\footinsdim
7639 \count\footinsv#r=200\relax
7640 \m@make@fivecol@footgroup{v#r}%
7641 \let\@footgroupv#r\@fivecol@footgroupv#r
7642 \let\@mpfootnotetext\@mpfivecolfootnotetext
7643 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext

```

```

7644 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
7645 \m@make@mpfivecol@footgroup{v@r}%
7646 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
7647 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
7648 \def\baselinestretch{\m@m@footnote@spacing}%
7649 \reset@font\foottextfont
7650 \@preamfntext
7651 \protected@edef\@currentlabel{%
7652 \csname p@footnote\endcsname\@thefnmark}%
7653 \color@begingroup
7654 \@fivecolfootfmt{#1}%
7655 \color@endgroup}%
7656 \m@mmf@prepare}
7657 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
7658 \def\baselinestretch{\m@m@footnote@spacing}%
7659 \reset@font\LTRfoottextfont
7660 \@preamfntext
7661 \protected@edef\@currentlabel{%
7662 \csname p@footnote\endcsname\@thefnmark}%
7663 \color@begingroup
7664 \@fivecolLTRfootfmt{#1}%
7665 \color@endgroup}%
7666 \m@mmf@prepare}
7667 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
7668 \def\baselinestretch{\m@m@footnote@spacing}%
7669 \reset@font\RTLfoottextfont
7670 \@preamfntext
7671 \protected@edef\@currentlabel{%
7672 \csname p@footnote\endcsname\@thefnmark}%
7673 \color@begingroup
7674 \@fivecolRTLfootfmt{#1}%
7675 \color@endgroup}%
7676 \m@mmf@prepare}
7677 \bidi@ensure@newcommand{\@preamfivefmt}{%
7678 \hspace{.2\hspace}
7679 \parindent=\z@
7680 \tolerance=5000\relax
7681 \leavevmode}
7682 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
7683 \@preamfivefmt
7684 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7685 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
7686 \@preamfivefmt
7687 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7688 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
7689 \@preamfivefmt
7690 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7691 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
7692 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7693 \unvbox\@mpfootinsv@r}

```

```

7694 \def\baselinestretch{\m@m@footnote@spacing}%
7695 \reset@font\foottextfont
7696 \hsize\columnwidth \@parboxrestore
7697 \protected@edef\@currentlabel{%
7698 \csname p@mpfootnote\endcsname\@thefnmark}%
7699 \color@begingroup
7700 \@fivecolfootfmt{#1}%
7701 \color@endgroup}%
7702 \m@mmf@prepare}
7703 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
7704 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
7705 \unvbox\@mpfootinsv@r
7706 \def\baselinestretch{\m@m@footnote@spacing}%
7707 \reset@font\LTRfoottextfont
7708 \hsize\columnwidth \@parboxrestore
7709 \if@RTLcolumnfootnotes\beginL\fi
7710 \protected@edef\@currentlabel{%
7711 \csname p@mpfootnote\endcsname\@thefnmark}%
7712 \color@begingroup
7713 \@fivecolLTRfootfmt{#1}%
7714 \color@endgroup}%
7715 \m@mmf@prepare}
7716 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
7717 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
7718 \unvbox\@mpfootinsv@r
7719 \def\baselinestretch{\m@m@footnote@spacing}%
7720 \reset@font\RTLfoottextfont
7721 \hsize\columnwidth \@parboxrestore
7722 \protected@edef\@currentlabel{%
7723 \csname p@mpfootnote\endcsname\@thefnmark}%
7724 \color@begingroup
7725 \@fivecolRTLfootfmt{#1}%
7726 \color@endgroup}%
7727 \m@mmf@prepare}
7728 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
7729 \m@make@fivecolfootnotetext{#1}%
7730 \m@make@mpfivecolfootnotetext{#1}%
7731 \m@make@fivecolfootfmt{#1}%
7732 \m@make@fivecol@footgroup{#1}%
7733 \m@make@mpfivecol@footgroup{#1}%
7734 \m@make@footstart{#1}%
7735 \bidi@namelongdef{\footnotetext#1}##1{%
7736 \@nameuse{\fivecolfootnotetext#1}{##1}}%
7737 \bidi@namelongdef{\mpfootnotetext#1}##1{%
7738 \@nameuse{\mpfivecolfootnotetext#1}{##1}}%
7739 \@namedef{\@footgroup#1}{\@nameuse{\@fivecol@footgroup#1}}%
7740 \@namedef{\mp@footgroup#1}{\@nameuse{\mpfivecol@footgroup#1}}%
7741 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
7742 \expandafter\count\csname footins#1\endcsname=500\relax}
7743 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%

```

```

7744 \bidi@namelongdef{@fivecolfootnotetext#1}##1{%
7745 \insert\@nameuse{footins#1}{%
7746 \def\baselinestretch{\m@m@footnote@spacing}%
7747 \reset@font\@nameuse{foottextfont#1}%
7748 \@preamfntext
7749 \protected@edef\@currentlabel{%
7750 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
7751 \color@begingroup
7752 \@nameuse{@fivecolfootfmt#1}{##1}%
7753 \color@endgroup}%
7754 \m@m@mmf@prepare}}
7755 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
7756 \bidi@namelongdef{@mpfivecolfootnotetext#1}##1{%
7757 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
7758 \unvbox\@nameuse{@mpfootins#1}
7759 \def\baselinestretch{\m@m@footnote@spacing}%
7760 \reset@font\@nameuse{foottextfont#1}%
7761 \hsize\columnwidth \@parboxrestore
7762 \protected@edef\@currentlabel{%
7763 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
7764 \color@begingroup
7765 \@nameuse{@fivecolfootfmt#1}{##1}%
7766 \color@endgroup}\m@m@mmf@prepare}}
7767 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
7768 \@namedef{@fivecolfootfmt#1}##1{%
7769 \@preamfivefmt
7770 {\@nameuse{footfootmark#1}\strut
7771 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
7772 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
7773 \@namedef{@fivecol@footgroup#1}{%
7774 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7775 \m@m@rigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
7776 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
7777 \@namedef{@mpfivecol@footgroup#1}{%
7778 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7779 \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}%
7780 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
7781 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
7782 \let\@footnotetext\@sixcolfootnotetext
7783 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
7784 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
7785 \dimen\footinsv@r=6\footinsdim
7786 \count\footinsv@r=166\relax
7787 \m@make@sixcol@footgroup{v@r}%
7788 \let\@footgroupv@r\@sixcol@footgroupv@r
7789 \let\@mpfootnotetext\@mpsixcolfootnotetext
7790 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
7791 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
7792 \m@make@mpsixcol@footgroup{v@r}%
7793 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}

```

```

7794 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
7795 \def\baselinestretch{\m@m@footnote@spacing}%
7796 \reset@font\foottextfont
7797 \@preamfntext
7798 \protected@edef\@currentlabel{%
7799 \csname p@footnote\endcsname\@thefnmark}%
7800 \color@begingroup
7801 \@sixcolfootfmt{#1}%
7802 \color@endgroup}%
7803 \m@mmf@prepare}
7804 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
7805 \def\baselinestretch{\m@m@footnote@spacing}%
7806 \reset@font\LTRfoottextfont
7807 \@preamfntext
7808 \protected@edef\@currentlabel{%
7809 \csname p@footnote\endcsname\@thefnmark}%
7810 \color@begingroup
7811 \@sixcolLTRfootfmt{#1}%
7812 \color@endgroup}%
7813 \m@mmf@prepare}
7814 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
7815 \def\baselinestretch{\m@m@footnote@spacing}%
7816 \reset@font\RTLfoottextfont
7817 \@preamfntext
7818 \protected@edef\@currentlabel{%
7819 \csname p@footnote\endcsname\@thefnmark}%
7820 \color@begingroup
7821 \@sixcolRTLfootfmt{#1}%
7822 \color@endgroup}%
7823 \m@mmf@prepare}
7824 \bidi@ensure@newcommand{\@preamsixfmt}{%
7825 \hsize .16\hsize
7826 \parindent=\z@
7827 \tolerance=5000\relax
7828 \leavevmode}
7829 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
7830 \@preamsixfmt
7831 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7832 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
7833 \@preamsixfmt
7834 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7835 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
7836 \@preamsixfmt
7837 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7838 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
7839 \global\setbox\@mpfootinsv@r\vbox{%
7840 \unvbox\@mpfootinsv@r
7841 \def\baselinestretch{\m@m@footnote@spacing}%
7842 \reset@font\foottextfont
7843 \hsize\columnwidth \@parboxrestore

```

```

7844 \protected@edef\@currentlabel{%
7845 \csname p@mpfootnote\endcsname\@thefnmark}%
7846 \color@begingroup
7847 \@sixcolfootfmt{#1}%
7848 \color@endgroup}%
7849 \m@mmf@prepare}
7850 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
7851 \global\setbox\@mpfootinsv@r\vbox{%
7852 \unvbox\@mpfootinsv@r
7853 \def\baselinestretch{\m@mm@footnote@spacing}%
7854 \reset@font\LTRfoottextfont
7855 \hsize\columnwidth \@parboxrestore
7856 \if@RTLcolumnfootnotes\beginL\fi
7857 \protected@edef\@currentlabel{%
7858 \csname p@mpfootnote\endcsname\@thefnmark}%
7859 \color@begingroup
7860 \@sixcolLTRfootfmt{#1}%
7861 \color@endgroup}%
7862 \m@mmf@prepare}
7863 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
7864 \global\setbox\@mpfootinsv@r\vbox{%
7865 \unvbox\@mpfootinsv@r
7866 \def\baselinestretch{\m@mm@footnote@spacing}%
7867 \reset@font\RTLfoottextfont
7868 \hsize\columnwidth \@parboxrestore
7869 \protected@edef\@currentlabel{%
7870 \csname p@mpfootnote\endcsname\@thefnmark}%
7871 \color@begingroup
7872 \@sixcolRTLfootfmt{#1}%
7873 \color@endgroup}%
7874 \m@mmf@prepare}
7875 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
7876 \m@make@sixcolfootnotetext{#1}%
7877 \m@make@mpsixcolfootnotetext{#1}%
7878 \m@make@sixcolfootfmt{#1}%
7879 \m@make@sixcol@footgroup{#1}%
7880 \m@make@mpsixcol@footgroup{#1}%
7881 \m@make@footstart{#1}%
7882 \bidi@namelongdef{\footnotetext#1}##1{%
7883 \@nameuse{\@sixcolfootnotetext#1}{##1}}%
7884 \bidi@namelongdef{\mpfootnotetext#1}##1{%
7885 \@nameuse{\@mpsixcolfootnotetext#1}{##1}}%
7886 \namedef{\footgroup#1}{\@nameuse{\@sixcol@footgroup#1}}%
7887 \namedef{\mp@footgroup#1}{\@nameuse{\@mpsixcol@footgroup#1}}%
7888 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
7889 \expandafter\count\csname footins#1\endcsname=500\relax}
7890 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
7891 \bidi@namelongdef{\@sixcolfootnotetext#1}##1{%
7892 \insert\@nameuse{footins#1}{%
7893 \def\baselinestretch{\m@mm@footnote@spacing}%

```

```

7894 \reset@font\@nameuse{foottextfont#1}%
7895 \@preamfntext
7896 \protected@edef\@currentlabel{%
7897 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
7898 \color@begingroup
7899 \@nameuse{@sixcolfootfmt#1}{##1}%
7900 \color@endgroup}%
7901 \m@mmf@prepare}}
7902 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
7903 \bidi@namelongdef\@mpsixcolfootnotetext#1}##1{%
7904 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
7905 \unvbox\@nameuse{@mpfootins#1}
7906 \def\baselinestretch{\m@m@footnote@spacing}%
7907 \reset@font\@nameuse{foottextfont#1}%
7908 \hsize\columnwidth \@parboxrestore
7909 \protected@edef\@currentlabel{%
7910 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
7911 \color@begingroup
7912 \@nameuse{@sixcolfootfmt#1}{##1}%
7913 \color@endgroup}\m@mmf@prepare}}
7914 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
7915 \@namedef{@sixcolfootfmt#1}##1{%
7916 \@preamsixfmt
7917 {\@nameuse{footfootmark#1}\strut
7918 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
7919 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
7920 \@namedef{@sixcol@footgroup#1}{%
7921 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7922 \m@r@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
7923 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
7924 \@namedef{@mpsixcol@footgroup#1}{%
7925 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7926 \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}%
7927 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
7928 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
7929 \let\@footnotetext\@sevendcolfootnotetext
7930 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
7931 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
7932 \dimen\footinsv@r=7\footinsdim
7933 \count\footinsv@r=142\relax
7934 \m@make@sevendcol@footgroup{v@r}%
7935 \let\@footgroupv@r\@sevendcol@footgroupv@r
7936 \let\@mpfootnotetext\@mpsevendcolfootnotetext
7937 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
7938 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
7939 \m@make@mpsevendcol@footgroup{v@r}%
7940 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}
7941 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
7942 \def\baselinestretch{\m@m@footnote@spacing}%
7943 \reset@font\foottextfont

```

```

7944 \@preamfntext
7945 \protected@edef\@currentlabel{%
7946   \csname p@footnote\endcsname\@thefnmark}%
7947 \color@begingroup
7948   \@sevendcolfootfmt{#1}%
7949 \color@endgroup}%
7950 \m@mmf@prepare}
7951 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
7952 \def\baselinestretch{\m@m@footnote@spacing}%
7953 \reset@font\LTRfoottextfont
7954 \@preamfntext
7955 \protected@edef\@currentlabel{%
7956   \csname p@footnote\endcsname\@thefnmark}%
7957 \color@begingroup
7958   \@sevendcolLTRfootfmt{#1}%
7959 \color@endgroup}%
7960 \m@mmf@prepare}
7961 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
7962 \def\baselinestretch{\m@m@footnote@spacing}%
7963 \reset@font\RTLfoottextfont
7964 \@preamfntext
7965 \protected@edef\@currentlabel{%
7966   \csname p@footnote\endcsname\@thefnmark}%
7967 \color@begingroup
7968   \@sevendcolRTLfootfmt{#1}%
7969 \color@endgroup}%
7970 \m@mmf@prepare}
7971 \bidi@ensure@newcommand{\@preamsevenfmt}{%
7972 \hsize .142\hsize
7973 \parindent=\z@
7974 \tolerance=5000\relax
7975 \leavevmode}
7976 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
7977 \@preamsevenfmt
7978 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7979 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
7980 \@preamsevenfmt
7981 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7982 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
7983 \@preamsevenfmt
7984 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7985 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse
7986 \global\setbox\@mpfootinsv@r\vbox{%
7987   \unvbox\@mpfootinsv@r
7988   \def\baselinestretch{\m@m@footnote@spacing}%
7989   \reset@font\foottextfont
7990   \hsize\columnwidth \@parboxrestore
7991   \protected@edef\@currentlabel{%
7992     \csname p@mpfootnote\endcsname\@thefnmark}%
7993   \color@begingroup

```



```

7994 \sevenscolfootfmt{#1}%
7995 \color@endgroup}%
7996 \m@mmf@prepare}
7997 \bidi@ensure@newcommand{\mpsevenscolLTRfootnotetext}[1]{\@RTLfalse%
7998 \global\setbox\@mpfootinsv@r\vbox{%
7999 \unvbox\@mpfootinsv@r
8000 \def\baselinestretch{\m@m@footnote@spacing}%
8001 \reset@font\LTRfoottextfont
8002 \hsize\columnwidth \@parboxrestore
8003 \if@RTLcolumnfootnotes\beginL\fi
8004 \protected@edef\@currentlabel{%
8005 \csname p@mpfootnote\endcsname\@thefnmark}%
8006 \color@begingroup
8007 \sevenscolLTRfootfmt{#1}%
8008 \color@endgroup}%
8009 \m@mmf@prepare}
8010 \bidi@ensure@newcommand{\mpsevenscolRTLfootnotetext}[1]{\@RTLtrue%
8011 \global\setbox\@mpfootinsv@r\vbox{%
8012 \unvbox\@mpfootinsv@r
8013 \def\baselinestretch{\m@m@footnote@spacing}%
8014 \reset@font\RTLfoottextfont
8015 \hsize\columnwidth \@parboxrestore
8016 \protected@edef\@currentlabel{%
8017 \csname p@mpfootnote\endcsname\@thefnmark}%
8018 \color@begingroup
8019 \sevenscolRTLfootfmt{#1}%
8020 \color@endgroup}%
8021 \m@mmf@prepare}
8022 \bidi@ensure@newcommand{\sevenscolumnfootstyle}[1]{%
8023 \m@make@sevenscolfootnotetext{#1}%
8024 \m@make@mpsevenscolfootnotetext{#1}%
8025 \m@make@sevenscolfootfmt{#1}%
8026 \m@make@sevenscol@footgroup{#1}%
8027 \m@make@mpsevenscol@footgroup{#1}%
8028 \m@make@footstart{#1}%
8029 \bidi@namelongdef{\footnotetext#1}##1{%
8030 \@nameuse{\sevenscolfootnotetext#1}{##1}}%
8031 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8032 \@nameuse{\mpsevenscolfootnotetext#1}{##1}}%
8033 \@namedef{\footgroup#1}{\@nameuse{\sevenscol@footgroup#1}}%
8034 \@namedef{\mp@footgroup#1}{\@nameuse{\mpsevenscol@footgroup#1}}%
8035 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8036 \expandafter\count\csname footins#1\endcsname=500\relax}
8037 \bidi@ensure@newcommand{\m@make@sevenscolfootnotetext}[1]{%
8038 \bidi@namelongdef{\sevenscolfootnotetext#1}##1{%
8039 \insert\@nameuse{footins#1}{%
8040 \def\baselinestretch{\m@m@footnote@spacing}%
8041 \reset@font\@nameuse{foottextfont#1}%
8042 \@preamfntext
8043 \protected@edef\@currentlabel{%

```

```

8044 \csname p@footnote#1\endcsname \@nameuse{thefnmark#1}}%
8045 \color@begingroup
8046 \@nameuse{sevenscolfootfmt#1}{##1}%
8047 \color@endgroup}%
8048 \m@mmf@prepare}}
8049 \bidi@ensure@newcommand{\m@make@mpsevenscolfootnotetext}[1]{%
8050 \bidi@namelongdef{\mpsevenscolfootnotetext#1}##1{%
8051 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
8052 \unvbox\@nameuse{\mpfootins#1}
8053 \def\baselinestretch{\m@m@footnote@spacing}%
8054 \reset@font\@nameuse{foottextfont#1}%
8055 \hsize\columnwidth \@parboxrestore
8056 \protected@edef\@currentlabel{%
8057 \csname p@mpfootnote#1\endcsname\@nameuse{thefnmark#1}}%
8058 \color@begingroup
8059 \@nameuse{sevenscolfootfmt#1}{##1}%
8060 \color@endgroup}\m@mmf@prepare}}
8061 \bidi@ensure@newcommand{\m@make@sevenscolfootfmt}[1]{%
8062 \@namedef{sevenscolfootfmt#1}##1{%
8063 \@preamsevenfmt
8064 {\@nameuse{footfootmark#1}\strut
8065 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8066 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
8067 \@namedef{sevenscol@footgroup#1}{%
8068 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8069 \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
8070 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
8071 \@namedef{mpsevenscol@footgroup#1}{%
8072 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8073 \m@mrigidbalance{\@nameuse{\mpfootins#1}}{7}{\splittopskip}}}}
8074 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
8075 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8076 \let\@footnotetext\@eightcolfootnotetext
8077 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
8078 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
8079 \dimen\footinsv@r=8\footinsdim
8080 \count\footinsv@r=125\relax
8081 \m@make@eightcol@footgroup{v@r}%
8082 \let\@footgroupv@r\@eightcol@footgroupv@r
8083 \let\@mpfootnotetext\@mpeightcolfootnotetext
8084 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
8085 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
8086 \m@make@mpeightcol@footgroup{v@r}%
8087 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
8088 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLTr
8089 \def\baselinestretch{\m@m@footnote@spacing}%
8090 \reset@font\foottextfont
8091 \@preamfntext
8092 \protected@edef\@currentlabel{%
8093 \csname p@footnote\endcsname\@thefnmark}}%

```

```

8094 \color@begingroup
8095   \@eightcolfootfmt{#1}%
8096 \color@endgroup}%
8097 \m@mmf@prepare}
8098 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8099 \def\baselinestretch{\m@m@footnote@spacing}%
8100 \reset@font\LTRfoottextfont
8101 \@preamfntext
8102 \protected@edef\@currentlabel{%
8103   \csname p@footnote\endcsname\@thefnmark}%
8104 \color@begingroup
8105   \@eightcolLTRfootfmt{#1}%
8106 \color@endgroup}%
8107 \m@mmf@prepare}
8108 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8109 \def\baselinestretch{\m@m@footnote@spacing}%
8110 \reset@font\RTLfoottextfont
8111 \@preamfntext
8112 \protected@edef\@currentlabel{%
8113   \csname p@footnote\endcsname\@thefnmark}%
8114 \color@begingroup
8115   \@eightcolRTLfootfmt{#1}%
8116 \color@endgroup}%
8117 \m@mmf@prepare}
8118 \bidi@ensure@newcommand{\@preameightfmt}{%
8119 \hsize .125\hsize
8120 \parindent=\z@
8121 \tolerance=5000\relax
8122 \leavevmode}
8123 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
8124 \@preameightfmt
8125 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8126 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
8127 \@preameightfmt
8128 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8129 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
8130 \@preameightfmt
8131 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8132 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
8133 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8134   \unvbox\@mpfootinsv@r
8135   \def\baselinestretch{\m@m@footnote@spacing}%
8136   \reset@font\foottextfont
8137   \hsize\columnwidth \@parboxrestore
8138   \protected@edef\@currentlabel{%
8139     \csname p@mpfootnote\endcsname\@thefnmark}%
8140 \color@begingroup
8141   \@eightcolfootfmt{#1}%
8142 \color@endgroup}%
8143 \m@mmf@prepare}

```

```

8144 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
8145   \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
8146     \unvbox\@mpfootinsv@r
8147     \def\baselinestretch{\@m@footnote@spacing}%
8148     \reset@font\LTRfoottextfont
8149     \hsize\columnwidth \@parboxrestore
8150     \if@RTLcolumnfootnotes\beginL\fi
8151     \protected@edef\@currentlabel{%
8152       \csname p@mpfootnote\endcsname\@thefnmark}%
8153   \color@begingroup
8154     \@eightcolLTRfootfmt{#1}%
8155   \color@endgroup}%
8156   \m@m@mmf@prepare}
8157 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
8158   \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
8159     \unvbox\@mpfootinsv@r
8160     \def\baselinestretch{\@m@footnote@spacing}%
8161     \reset@font\RTLfoottextfont
8162     \hsize\columnwidth \@parboxrestore
8163     \protected@edef\@currentlabel{%
8164       \csname p@mpfootnote\endcsname\@thefnmark}%
8165   \color@begingroup
8166     \@eightcolRTLfootfmt{#1}%
8167   \color@endgroup}%
8168   \m@m@mmf@prepare}
8169 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
8170   \m@make@eightcolfootnotetext{#1}%
8171   \m@make@mpeightcolfootnotetext{#1}%
8172   \m@make@eightcolfootfmt{#1}%
8173   \m@make@eightcol@footgroup{#1}%
8174   \m@make@mpeightcol@footgroup{#1}%
8175   \m@make@footstart{#1}%
8176   \bidi@namelongdef{\@footnotetext#1}##1{%
8177     \@nameuse{\@eightcolfootnotetext#1}{##1}}%
8178   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8179     \@nameuse{\@mpeightcolfootnotetext#1}{##1}}%
8180   \@namedef{\@footgroup#1}{\@nameuse{\@eightcol@footgroup#1}}%
8181   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpeightcol@footgroup#1}}%
8182   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8183   \expandafter\count\csname footins#1\endcsname=500\relax}
8184 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
8185   \bidi@namelongdef{\@eightcolfootnotetext#1}##1{%
8186     \insert\@nameuse{\footins#1}{%
8187       \def\baselinestretch{\@m@footnote@spacing}%
8188       \reset@font\@nameuse{\foottextfont#1}%
8189       \@preamfntext
8190       \protected@edef\@currentlabel{%
8191         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8192       \color@begingroup
8193         \@nameuse{\@eightcolfootfmt#1}{##1}%

```

```

8194 \color@endgroup}%
8195 \m@mmf@prepare}}
8196 \bidi@ensure@newcommand{\m@make@mpheightcolfootnotetext}[1]{%
8197 \bidi@namelongdef{@mpheightcolfootnotetext#1}##1{%
8198 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8199 \unvbox\@nameuse{@mpfootins#1}
8200 \def\baselinestretch{\m@m@footnote@spacing}%
8201 \reset@font\@nameuse{foottextfont#1}%
8202 \hsize\columnwidth \@parboxrestore
8203 \protected@edef\@currentlabel{%
8204 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8205 \color@begingroup
8206 \@nameuse{@eightcolfootfmt#1}{##1}%
8207 \color@endgroup}\m@mmf@prepare}}
8208 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
8209 \@namedef{@eightcolfootfmt#1}##1{%
8210 \@preameightfmt
8211 {\@nameuse{footfootmark#1}\strut
8212 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8213 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
8214 \@namedef{@eightcol@footgroup#1}{%
8215 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8216 \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
8217 \bidi@ensure@newcommand{\m@make@mpheightcol@footgroup}[1]{%
8218 \@namedef{@mpheightcol@footgroup#1}{%
8219 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8220 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
8221 \bidi@ensure@newcommand{\necolumnfootnotes}{%
8222 \@namedef{foottextfont#1}{\foottextfont}% % [RS]
8223 \let\@footnotetext\@necolfootnotetext
8224 \let\@LTRfootnotetext\@necolLTRfootnotetext
8225 \let\@RTLfootnotetext\@necolRTLfootnotetext
8226 \dimen\footinsv@r=9\footinsdim
8227 \count\footinsv@r=111\relax
8228 \m@make@necol@footgroup{v@r}%
8229 \let\@footgroupv@r\@necol@footgroupv@r
8230 \let\@mpfootnotetext\@mpnecolfootnotetext
8231 \let\@mpLTRfootnotetext\@mpnecolLTRfootnotetext
8232 \let\@mpRTLfootnotetext\@mpnecolRTLfootnotetext
8233 \m@make@mpnecol@footgroup{v@r}%
8234 \let\mp@footgroupv@r\@mpnecol@footgroupv@r}
8235 \bidi@ensure@newcommand{\@necolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8236 \def\baselinestretch{\m@m@footnote@spacing}%
8237 \reset@font\foottextfont
8238 \@preamfntext
8239 \protected@edef\@currentlabel{%
8240 \csname p@footnote\endcsname\@thefnmark}}%
8241 \color@begingroup
8242 \@necolfootfmt{#1}%
8243 \color@endgroup}%

```

```

8244 \m@mmf@prepare}
8245 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8246 \def\baselinestretch{\m@m@footnote@spacing}%
8247 \reset@font\LTRfoottextfont
8248 \@preamfntext
8249 \protected@edef\@currentlabel{%
8250 \csname p@footnote\endcsname\@thefnmark}%
8251 \color@begingroup
8252 \@ninecolLTRfootfmt{#1}%
8253 \color@endgroup}%
8254 \m@mmf@prepare}
8255 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8256 \def\baselinestretch{\m@m@footnote@spacing}%
8257 \reset@font\RTLfoottextfont
8258 \@preamfntext
8259 \protected@edef\@currentlabel{%
8260 \csname p@footnote\endcsname\@thefnmark}%
8261 \color@begingroup
8262 \@ninecolRTLfootfmt{#1}%
8263 \color@endgroup}%
8264 \m@mmf@prepare}
8265 \bidi@ensure@newcommand{\@preamninefmt}{%
8266 \hspace{.1\hspace}
8267 \parindent=\z@
8268 \tolerance=5000\relax
8269 \leavevmode}
8270 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
8271 \@preamninefmt
8272 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8273 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
8274 \@preamninefmt
8275 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8276 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
8277 \@preamninefmt
8278 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8279 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
8280 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8281 \unvbox\@mpfootinsv@r
8282 \def\baselinestretch{\m@m@footnote@spacing}%
8283 \reset@font\foottextfont
8284 \hspace\columnwidth \@parboxrestore
8285 \protected@edef\@currentlabel{%
8286 \csname p@mpfootnote\endcsname\@thefnmark}%
8287 \color@begingroup
8288 \@ninecolfootfmt{#1}%
8289 \color@endgroup}%
8290 \m@mmf@prepare}
8291 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
8292 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8293 \unvbox\@mpfootinsv@r

```

```

8294 \def\baselinestretch{\m@m@footnote@spacing}%
8295 \reset@font\LTRfoottextfont
8296 \hsize\columnwidth \@parboxrestore
8297 \if@RTLcolumnfootnotes\beginL\fi
8298 \protected@edef\@currentlabel{%
8299 \csname p@mpfootnote\endcsname\@thefnmark}%
8300 \color@begingroup
8301 \@ninecolLTRfootfmt{#1}%
8302 \color@endgroup}%
8303 \m@mmf@prepare}
8304 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
8305 \global\setbox\@mpfootinsv\@r\@vbox{\@RTLtrue%
8306 \unvbox\@mpfootinsv@r
8307 \def\baselinestretch{\m@m@footnote@spacing}%
8308 \reset@font\RTLfoottextfont
8309 \hsize\columnwidth \@parboxrestore
8310 \protected@edef\@currentlabel{%
8311 \csname p@mpfootnote\endcsname\@thefnmark}%
8312 \color@begingroup
8313 \@ninecolRTLfootfmt{#1}%
8314 \color@endgroup}%
8315 \m@mmf@prepare}
8316 \bidi@ensure@newcommand{\@ninecolumnfootstyle}[1]{%
8317 \m@make@ninecolfootnotetext{#1}%
8318 \m@make@mpninecolfootnotetext{#1}%
8319 \m@make@ninecolfootfmt{#1}%
8320 \m@make@ninecol@footgroup{#1}%
8321 \m@make@mpninecol@footgroup{#1}%
8322 \m@make@footstart{#1}%
8323 \bidi@namelongdef{\@footnotetext#1}##1{%
8324 \@nameuse{\@ninecolfootnotetext#1}{##1}}%
8325 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8326 \@nameuse{\@mpninecolfootnotetext#1}{##1}}%
8327 \@namedef{\@footgroup#1}{\@nameuse{\@ninecol@footgroup#1}}%
8328 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mpninecol@footgroup#1}}%
8329 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8330 \expandafter\count\csname footins#1\endcsname=500\relax}
8331 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
8332 \bidi@namelongdef{\@ninecolfootnotetext#1}##1{%
8333 \insert\@nameuse{footins#1}{%
8334 \def\baselinestretch{\m@m@footnote@spacing}%
8335 \reset@font\@nameuse{foottextfont#1}%
8336 \@preamfntext
8337 \protected@edef\@currentlabel{%
8338 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8339 \color@begingroup
8340 \@nameuse{\@ninecolfootfmt#1}{##1}%
8341 \color@endgroup}%
8342 \m@mmf@prepare}}
8343 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%

```

```

8344 \bidi@namelongdef{@mpninecolfootnotetext#1}##1{%
8345 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8346 \unvbox\@nameuse{@mpfootins#1}
8347 \def\baselinestretch{\m@m@footnote@spacing}%
8348 \reset@font\@nameuse{foottextfont#1}%
8349 \hsize\columnwidth \@parboxrestore
8350 \protected@edef\@currentlabel{%
8351 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8352 \color@begingroup
8353 \@nameuse{@ninecolfootfmt#1}{##1}%
8354 \color@endgroup}\m@mmf@prepare}}
8355 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
8356 \@namedef{@ninecolfootfmt#1}##1{%
8357 \@preamninefmt
8358 {\@nameuse{footfootmark#1}\strut
8359 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8360 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
8361 \@namedef{@ninecol@footgroup#1}{%
8362 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8363 \m@mrigidbodybalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
8364 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
8365 \@namedef{@mpninecol@footgroup#1}{%
8366 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8367 \m@mrigidbodybalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}%
8368 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
8369 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8370 \let\@footnotetext\@tencolfootnotetext
8371 \let\@LTRfootnotetext\@tencolLTRfootnotetext
8372 \let\@RTLfootnotetext\@tencolRTLfootnotetext
8373 \dimen\footinsv@r=10\footinsdim
8374 \count\footinsv@r=100\relax
8375 \m@make@tencol@footgroup{v@r}%
8376 \let\@footgroupv@r\@tencol@footgroupv@r
8377 \let\@mpfootnotetext\@mptencolfootnotetext
8378 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
8379 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
8380 \m@make@mptencol@footgroup{v@r}%
8381 \let\mp@footgroupv@r\@mptencol@footgroupv@r}
8382 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
8383 \def\baselinestretch{\m@m@footnote@spacing}%
8384 \reset@font\foottextfont
8385 \@preamfntext
8386 \protected@edef\@currentlabel{%
8387 \csname p@footnote\endcsname\@thefnmark}}%
8388 \color@begingroup
8389 \@tencolfootfmt{#1}%
8390 \color@endgroup}%
8391 \m@mmf@prepare}
8392 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
8393 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

8394 \reset@font\LTRfoottextfont
8395 \@preamfntext
8396 \protected@edef\@currentlabel{%
8397   \csname p@footnote\endcsname\@thefnmark}%
8398 \color@begingroup
8399   \@tencolLTRfootfmt{#1}%
8400 \color@endgroup}%
8401 \m@mmf@prepare}
8402 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8403   \def\baselinestretch{\m@m@footnote@spacing}%
8404   \reset@font\RTLfoottextfont
8405   \@preamfntext
8406   \protected@edef\@currentlabel{%
8407     \csname p@footnote\endcsname\@thefnmark}%
8408   \color@begingroup
8409     \@tencolRTLfootfmt{#1}%
8410   \color@endgroup}%
8411   \m@mmf@prepare}
8412 \bidi@ensure@newcommand{\@preamtenfmt}{%
8413   \hspace{.1\hspace}
8414   \parindent=\z@
8415   \tolerance=5000\relax
8416   \leavevmode}
8417 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
8418   \@preamtenfmt
8419   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8420 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
8421   \@preamtenfmt
8422   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8423 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
8424   \@preamtenfmt
8425   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8426 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
8427   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8428     \unvbox\@mpfootinsv@r
8429     \def\baselinestretch{\m@m@footnote@spacing}%
8430     \reset@font\foottextfont
8431     \hspace\columnwidth \@parboxrestore
8432     \protected@edef\@currentlabel{%
8433       \csname p@mpfootnote\endcsname\@thefnmark}%
8434     \color@begingroup
8435       \@tencolfootfmt{#1}%
8436     \color@endgroup}%
8437     \m@mmf@prepare}
8438 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
8439   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8440     \unvbox\@mpfootinsv@r
8441     \def\baselinestretch{\m@m@footnote@spacing}%
8442     \reset@font\LTRfoottextfont
8443     \hspace\columnwidth \@parboxrestore

```

```

8444 \if@RTLcolumnfootnotes\beginL\fi
8445 \protected@edef\@currentlabel{%
8446 \csname p@mpfootnote\endcsname\@thefnmark}%
8447 \color@begingroup
8448 \@tencolLTRfootfmt{#1}%
8449 \color@endgroup}%
8450 \m@mmf@prepare}
8451 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
8452 \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
8453 \unvbox\@mpfootinsv\@r
8454 \def\baselinestretch{\m@mm@footnote@spacing}%
8455 \reset@font\RTLfoottextfont
8456 \hsize\columnwidth \@parboxrestore
8457 \protected@edef\@currentlabel{%
8458 \csname p@mpfootnote\endcsname\@thefnmark}%
8459 \color@begingroup
8460 \@tencolRTLfootfmt{#1}%
8461 \color@endgroup}%
8462 \m@mmf@prepare}
8463 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
8464 \m@make@tencolfootnotetext{#1}%
8465 \m@make@mptencolfootnotetext{#1}%
8466 \m@make@tencolfootfmt{#1}%
8467 \m@make@tencol@footgroup{#1}%
8468 \m@make@mptencol@footgroup{#1}%
8469 \m@make@footstart{#1}%
8470 \bidi@namelongdef{\@footnotetext#1}##1{%
8471 \@nameuse{\@tencolfootnotetext#1}{##1}}%
8472 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8473 \@nameuse{\@mptencolfootnotetext#1}{##1}}%
8474 \@namedef{\@footgroup#1}{\@nameuse{\@tencol@footgroup#1}}%
8475 \@namedef{\mp@footgroup#1}{\@nameuse{\@mptencol@footgroup#1}}%
8476 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8477 \expandafter\count\csname footins#1\endcsname=500\relax}
8478 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
8479 \bidi@namelongdef{\@tencolfootnotetext#1}##1{%
8480 \insert\@nameuse{\footins#1}{%
8481 \def\baselinestretch{\m@mm@footnote@spacing}%
8482 \reset@font\@nameuse{\foottextfont#1}%
8483 \@preamfntext
8484 \protected@edef\@currentlabel{%
8485 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8486 \color@begingroup
8487 \@nameuse{\@tencolfootfmt#1}{##1}%
8488 \color@endgroup}%
8489 \m@mmf@prepare}}
8490 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
8491 \bidi@namelongdef{\@mptencolfootnotetext#1}##1{%
8492 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
8493 \unvbox\@nameuse{\@mpfootins#1}

```

```

8494 \def\baselinestretch{\m@m@footnote@spacing}%
8495 \reset@font\@nameuse{foottextfont#1}%
8496 \hsize\columnwidth \@parboxrestore
8497 \protected@edef\@currentlabel{%
8498 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8499 \color@begingroup
8500 \@nameuse{@tencolfootfmt#1}{##1}%
8501 \color@endgroup}\m@mmf@prepare}}
8502 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
8503 \@namedef{@tencolfootfmt#1}{##1}%
8504 \@preamtenfmt
8505 {\@nameuse{footfootmark#1}\strut
8506 {\@nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
8507 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
8508 \@namedef{@tencol@footgroup#1}{%
8509 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8510 \m@r@rigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
8511 \bidi@ensure@newcommand{\m@make@emptencol@footgroup}[1]{%
8512 \@namedef{@emptencol@footgroup#1}{%
8513 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8514 \m@r@rigidbalance{\@nameuse{mpfootins#1}}{10}{\splittopskip}}}}
8515 \bidi@ensure@newcommand{\m@munvxh}[1]{%
8516 \setbox0=\vbox{\unvbox#1%
8517 \global\setbox1=\lastbox}%
8518 \unhbox1
8519 \unskip
8520 \unskip
8521 \unpenalty
8522 \hskip\m@mipn@skip}
8523 \bidi@ensure@newcommand{\m@mungebox}{%
8524 \setbox0=\hbox{\m@munvxh0}%
8525 \dp0=\z@
8526 \ht0=\footfudgefactor\wd0
8527 \box0
8528 \penalty0}
8529 \newskip\m@mipn@skip
8530 \bidi@ensure@newcommand*{\m@minterparanoteglu}[1]{%
8531 {\foottextfont\global\m@mipn@skip=#1\relax}}
8532 \m@minterparanoteglu{1em plus.4em minus.4em}
8533 \@ifpackageloaded{multicol}{%
8534 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
8535 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
8536 \hsize\textwidth%
8537 \setbox0=\hbox{}%
8538 \loop
8539 \unpenalty
8540 \setbox2=\lastbox
8541 \ifhbox2
8542 \setbox0=\hbox{\box2\unhbox0}
8543 \repeat}

```

```

8544 }{%
8545 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
8546 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
8547 \setbox0=\hbox{}}%
8548 \loop
8549 \unpenalty
8550 \setbox2=\lastbox
8551 \ifhbox2
8552 \setbox0=\hbox{\box2\unhbox0}
8553 \repeat}}
8554 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
8555 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
8556 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
8557 \bidi@ensure@newcommand{\paragraphfootnotes}{%
8558 \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
8559 \let\@footnotetext\@parafootnotetext
8560 \let\@LTRfootnotetext\@paraLTRfootnotetext
8561 \let\@RTLfootnotetext\@paraRTLfootnotetext
8562 \dimen\footinsv@r=\footinsdim
8563 \count\footinsv@r=1000\relax
8564 \m@make@para@footgroup{v@r}%
8565 \let\@footgroupv@r\@para@footgroupv@r
8566 \let\@mpfootnotetext\@mpparafootnotetext
8567 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
8568 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
8569 \m@make@mppara@footgroup{v@r}%
8570 \let\mp@footgroupv@r\@mppara@footgroupv@r
8571 {\foottextfont
8572 \dimen0=\baselineskip
8573 \multiply\dimen0 by 1024
8574 \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle
8575 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
8576 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{\@RTLfalse
8577 \def\baselinestretch{\m@m@footnote@spacing}%
8578 \reset@font\foottextfont
8579 \@preamfntext
8580 \protected@edef\@currentlabel{%
8581 \csname p@footnote\endcsname\@thefnmark}%
8582 \setbox0=\vbox{\hsize=\maxdimen
8583 \color@begingroup
8584 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
8585 \color@endgroup}}%
8586 \m@mungebox}\m@m@mmf@prepare}
8587 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{\@RTLfalse
8588 \def\baselinestretch{\m@m@footnote@spacing}%
8589 \reset@font\LTRfoottextfont
8590 \@preamfntext
8591 \protected@edef\@currentlabel{%
8592 \csname p@footnote\endcsname\@thefnmark}%
8593 \setbox0=\vbox{\hsize=\maxdimen

```

```

8594 \color@begingroup
8595 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
8596 \color@endgroup}%
8597 \m@mungebox}\m@mmf@prepare}
8598 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLfalse
8599 \def\baselinestretch{\m@m@footnote@spacing}%
8600 \reset@font\RTLfoottextfont
8601 \@preamfntext
8602 \protected@edef\@currentlabel{%
8603 \csname p@footnote\endcsname\@thefnmark}%
8604 \setbox0=\vbox{\hsize=\maxdimen
8605 \color@begingroup
8606 \noindent \@paraLTRfootfmt{\beginR#1\endR}%
8607 \color@endgroup}%
8608 \m@mungebox}\m@mmf@prepare}
8609 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
8610 \parindent=\z@
8611 \parfillskip=0pt \@plus 1fil
8612 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
8613 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
8614 \parindent=\z@
8615 \parfillskip=0pt \@plus 1fil
8616 {\footfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
8617 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
8618 \parindent=\z@
8619 \parfillskip=0pt \@plus 1fil
8620 {\footfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
8621 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
8622 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8623 \unvbox\@mpfootinsv@r
8624 \def\baselinestretch{\m@m@footnote@spacing}%
8625 \reset@font\foottextfont
8626 \hsize\columnwidth \@parboxrestore
8627 \protected@edef\@currentlabel{%
8628 \csname p@mpfootnote\endcsname\@thefnmark}%
8629 \setbox0=\vbox{\hsize=\maxdimen
8630 \color@begingroup
8631 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else\beginL\fi#1\if@RTL@footnote\endR}%
8632 \color@endgroup}%
8633 \m@mungebox}\m@mmf@prepare}
8634 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
8635 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8636 \unvbox\@mpfootinsv@r
8637 \def\baselinestretch{\m@m@footnote@spacing}%
8638 \reset@font\LTRfoottextfont
8639 \hsize\columnwidth \@parboxrestore
8640 \protected@edef\@currentlabel{%
8641 \csname p@mpfootnote\endcsname\@thefnmark}%
8642 \setbox0=\vbox{\hsize=\maxdimen
8643 \color@begingroup

```

```

8644 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
8645 \color@endgroup}%
8646 \m@mungebox}\m@mmf@prepare}
8647 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
8648 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8649 \unvbox\@mpfootinsv@r
8650 \def\baselinestretch{\m@m@footnote@spacing}%
8651 \reset@font\RTLfoottextfont
8652 \hsize\columnwidth \@parboxrestore
8653 \protected@edef\@currentlabel{%
8654 \csname p@mpfootnote\endcsname\@thefnmark}%
8655 \setbox0=\vbox{\hsize=\maxdimen
8656 \color@begingroup
8657 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
8658 \color@endgroup}%
8659 \m@mungebox}\m@mmf@prepare}
8660 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
8661 \m@make@parafootnotetext{#1}%
8662 \m@make@mpparafootnotetext{#1}%
8663 \m@make@parafootfmt{#1}%
8664 \m@make@para@footgroup{#1}%
8665 \m@make@mppara@footgroup{#1}%
8666 \m@make@para@footstart{#1}%
8667 \bidi@namelongdef{\@footnotetext#1}##1{%
8668 \@nameuse{\@parafootnotetext#1}{##1}}%
8669 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8670 \@nameuse{\@mpparafootnotetext#1}{##1}}%
8671 \@namedef{\@footgroup#1}{\@nameuse{\@para@footgroup#1}}%
8672 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mppara@footgroup#1}}%
8673 \@namedef{\@footstart#1}{\@nameuse{\@para@footstart#1}}%
8674 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
8675 \expandafter\count\csname footins#1\endcsname=1000\relax
8676 {\@nameuse{\foottextfont#1}}%
8677 \dimen0=\baselineskip
8678 \multiply\dimen0 by 1024
8679 \divide\dimen0 by \hsize \multiply\dimen0 by 64
8680 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}%
8681 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
8682 \bidi@namelongdef{\@parafootnotetext#1}##1{%
8683 \insert\@nameuse{\footins#1}{
8684 \def\baselinestretch{\m@m@footnote@spacing}%
8685 \reset@font\@nameuse{\foottextfont#1}}%
8686 \@preamfntext
8687 \protected@edef\@currentlabel{%
8688 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8689 \setbox0=\vbox{\hsize=\maxdimen
8690 \color@begingroup
8691 \noindent \@nameuse{\@parafootfmt#1}{##1}%
8692 \color@endgroup}%
8693 \m@mungebox}\m@mmf@prepare}}

```

```

8694 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
8695 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
8696   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8697     \unvbox\@nameuse{@mpfootins#1}
8698     \def\baselinestretch{\m@m@footnote@spacing}%
8699     \reset@font\@nameuse{foottextfont#1}%
8700     \hsize\columnwidth \@parboxrestore
8701     \protected@edef\@currentlabel{%
8702       \csname p@mpparfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8703     \setbox0=\vbox{\hsize=\maxdimen
8704       \color@begingroup
8705         \noindent \@nameuse{@parafootfmt#1}{##1}%
8706         \color@endgroup}%
8707     \m@mungebox}\m@mmf@prepare}}
8708 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
8709 \bidi@namelongdef{@parafootfmt#1}##1{%
8710   \parindent=\z@
8711   \parfillskip=0pt \@plus 1fil
8712   {\@nameuse{footfootmark#1}\strut
8713     {\@nameuse{foottextfont#1}##1}\penalty-10}}
8714 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
8715 \@namedef{@para@footgroup#1}{%
8716   \unvbox\@nameuse{footins#1}
8717   \m@mmakehboxofhboxes
8718   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
8719   \@nameuse{foottextfont#1}%
8720   \noindent\unhbox0\par}}
8721 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
8722 \@namedef{@mppara@footgroup#1}{%
8723   \unvbox\@nameuse{@mpfootins#1}
8724   \m@mmakehboxofhboxes
8725   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
8726   \@nameuse{foottextfont#1}%
8727   \noindent\unhbox0\par}}
8728 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
8729 \@namedef{@para@footstart#1}{%
8730   \vskip\bigskipamount
8731   \leftskip=\z@
8732   \rightskip=\z@
8733   \parindent=\z@
8734   \vskip\skip\@nameuse{footins#1}%
8735   \footnoterule}}
8736 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
8737 \xdef\@freelist{\@freelist\@midlist}%
8738 \global\let\@midlist\@empty
8739 \@combinefloats}
8740 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
8741 \ifvbox\@kludgeins
8742   \@makespecialcolbox
8743 \else

```

```

8744 \setbox\@outputbox \vbox to\@colht{%
8745 \texttop
8746 \dimen@ \dp\@outputbox
8747 \unvbox \@outputbox
8748 \vskip -\dimen@
8749 \textbottom}%
8750 \fi}
8751 \bidi@ensure@newcommand*{\m@m@makecolintro}{}
8752 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
8753 \boxmaxdepth\@maxdepth
8754 \@tempdima\dp\@cclv
8755 \unvbox\@cclv
8756 \vskip-\@tempdima
8757 \vskip \skip\footins
8758 \color@begingroup
8759 \normalcolor
8760 \footnoterule
8761 \unvbox \footins
8762 \color@endgroup}}
8763 \bidi@ensure@newcommand*{\m@mopsidebar}{%
8764 \ifvoid\sideins\else
8765 \setbox\@outputbox \vbox{%
8766 \sidecontents
8767 \unvbox\@outputbox}
8768 \fi}
8769 \gdef\mem@makecol{%
8770 \m@m@makecolintro
8771 \ifvoid\footins
8772 \setbox\@outputbox \box\@cclv
8773 \else
8774 \m@mopfootnote
8775 \fi
8776 \m@m@doextrafeet
8777 \m@m@makecolfloats
8778 \m@mopsidebar
8779 \m@m@makecoltext
8780 \global \maxdepth \@maxdepth}
8781 \bidi@ensure@newcommand{\feetabovelfloat}{\gdef\@makecol{\mem@makecol}}
8782 \feetabovelfloat%

```

7.54 extreport-xetex-bidi.def

```

8783 \ProvidesFile{extreport-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for extreport class
8784 \renewcommand*\l@part[2]{%
8785 \ifnum \c@tocdepth >-2\relax
8786 \addpenalty{-\@highpenalty}%
8787 \addvspace{2.25em \@plus\p@}%
8788 \begingroup
8789 \setlength\@tempdima{3em}%
8790 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

8791 \parfillskip -\@pnumwidth
8792 {\leavevmode
8793 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8794 \nobreak
8795 \global\@nobreaktrue
8796 \everypar{\global\@nobreakfalse\everypar{}}%
8797 \endgroup
8798 \fi}
8799 \renewcommand*\l@chapter[2]{%
8800 \ifnum \c@tocdepth >\m@ne
8801 \addpenalty{-\@highpenalty}%
8802 \vskip 1.0em \@plus\p@
8803 \setlength\@tempdima{1.5em}%
8804 \begingroup
8805 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8806 \parfillskip -\@pnumwidth
8807 \leavevmode \bfseries
8808 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
8809 \hskip -\if@RTL\rightskip\else\leftskip\fi
8810 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8811 \penalty\@highpenalty
8812 \endgroup
8813 \fi}
8814 \def\@makechapterhead#1{%
8815 \vspace*{50\p@}%
8816 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8817 \ifnum \c@secnumdepth >\m@ne
8818 \huge\bfseries \@chapapp\space \thechapter
8819 \par\nobreak
8820 \vskip 20\p@
8821 \fi
8822 \interlinepenalty\@M
8823 \Huge \bfseries #1\par\nobreak
8824 \vskip 40\p@
8825 }}
8826 \def\@makeschapterhead#1{%
8827 \vspace*{50\p@}%
8828 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8829 \normalfont
8830 \interlinepenalty\@M
8831 \Huge \bfseries #1\par\nobreak
8832 \vskip 40\p@
8833 }}
8834 \renewcommand\left@footnoterule{%
8835 \kern-3\p@
8836 \hrule\@width.4\columnwidth
8837 \kern2.6\p@}
8838 \renewcommand\right@footnoterule{%
8839 \hbox to \columnwidth
8840 {\beginR \vbox{%
```

```

8841 \kern-3\p@
8842 \hrule\@width.4\columnwidth
8843 \kern2.6\p@\hfil\endR}}
8844 \renewenvironment{thebibliography}[1]
8845     {\chapter*{\bibname
8846         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8847         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8848         \list{\@biblabel{\@arabic\c@enumiv}}%
8849             {\settowidth\labelwidth{\@biblabel{#1}}%
8850              \leftmargin\labelwidth
8851              \advance\leftmargin\labelsep
8852              \@openbib@code
8853              \usecounter{enumiv}%
8854              \let\p@enumiv\@empty
8855              \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8856         \sloppy\clubpenalty4000\widowpenalty4000%
8857         \sfcode'\.\@m}
8858     {\def\@noitemerr
8859      {\@latex@warning{Empty 'thebibliography' environment}}}%
8860     \endlist}
8861 \if@titlepage
8862 \renewcommand\maketitle{\begin{titlepage}%
8863 \let\footnotesize\small
8864 \let\right@footnoterule\relax
8865 \let\left@footnoterule\relax
8866 \let\textwidth\footnoterule\relax
8867 \let \footnote \thanks
8868 \null\vfil
8869 \vskip 60\p@
8870 \begin{center}%
8871     {\LARGE \@title \par}%
8872     \vskip 3em%
8873     {\large
8874      \lineskip .75em%
8875      \begin{tabular}[t]{c}%
8876          \@author
8877      \end{tabular}\par}%
8878      \vskip 1.5em%
8879      {\large \@date \par}%           % Set date in \large size.
8880 \end{center}\par
8881 \@thanks
8882 \vfil\null
8883 \end{titlepage}%
8884 \setcounter{footnote}{0}%
8885 \global\let\thanks\relax
8886 \global\let\maketitle\relax
8887 \global\let\@thanks\@empty
8888 \global\let\@author\@empty
8889 \global\let\@date\@empty
8890 \global\let\@title\@empty

```

```

8891 \global\let\title\relax
8892 \global\let\author\relax
8893 \global\let\date\relax
8894 \global\let\and\relax
8895 }
8896 \else
8897 \renewcommand\maketitle{\par
8898 \begin{group}
8899 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8900 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8901 \long\def\@makefntext##1{\parindent 1em\noindent
8902 \hb@xt@1.8em{%
8903 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8904 \if@twocolumn
8905 \ifnum \col@number=\@ne
8906 \maketitle
8907 \else
8908 \twocolumn[\maketitle]%
8909 \fi
8910 \else
8911 \newpage
8912 \global\@topnum\z@ % Prevents figures from going at top of page.
8913 \maketitle
8914 \fi
8915 \thispagestyle{plain}\@thanks
8916 \end{group}
8917 \setcounter{footnote}{0}%
8918 \global\let\thanks\relax
8919 \global\let\maketitle\relax
8920 \global\let\@maketitle\relax
8921 \global\let\@thanks\@empty
8922 \global\let\@author\@empty
8923 \global\let\@date\@empty
8924 \global\let\@title\@empty
8925 \global\let\title\relax
8926 \global\let\author\relax
8927 \global\let\date\relax
8928 \global\let\and\relax
8929 }
8930 \def\@maketitle{%
8931 \newpage
8932 \null
8933 \vskip 2em%
8934 \begin{center}%
8935 \let \footnote \thanks
8936 {\LARGE \@title \par}%
8937 \vskip 1.5em%
8938 {\large
8939 \lineskip .5em%
8940 \begin{tabular}[t]{c}%

```

```

8941      \@author
8942      \end{tabular}\par}%
8943      \vskip 1em%
8944      {\large \@date}%
8945      \end{center}%
8946      \par
8947      \vskip 1.5em}
8948 \fi
8949 \renewcommand\thesection      {\thechapter\@SepMark\@arabic\c@section}
8950 \renewcommand\thesubsection   {\thesection\@SepMark\@arabic\c@subsection}
8951 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8952 \renewcommand\theparagraph    {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8953 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8954 \renewcommand\theequation{%
8955   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
8956 \renewcommand\thefigure{%
8957   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8958 \renewcommand\thetable{%
8959   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

7.55 fancybox-xetex-bidi.def

```

8960 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
8961 \def\fancy@oval#1#2#3{%
8962   \boxmaxdepth \maxdimen
8963   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
8964   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
8965   \@ovxx#1\relax
8966   \advance\@ovxx-\@wholewidth
8967   \@ovyy#2\relax
8968   \advance\@ovyy-\@wholewidth
8969   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \else \@ovyy \fi
8970   \advance\@tempdimb-2\p@
8971   \ifdim\@tempdimb>\the@cornersize\relax
8972     \@tempdimb=\the@cornersize
8973   \fi
8974   \getcirc\@tempdimb
8975   \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
8976   \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
8977   \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
8978   \circlefont
8979   \setbox\@tempboxa\hbox{\beginL%
8980     \if@ovr \@ovvert32\kern -\@tempdima \fi
8981     \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
8982     \if@ovt \@ovhorz \kern -\@ovxx \fi
8983     \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
8984   \advance\@ovdx\@ovro
8985   \advance\@ovdy\@ovro
8986   \advance\@ovxx\@wholewidth
8987   \wd\@tempboxa=\@ovxx

```

```
8988 \dp\@tempboxa=\z@}
```

7.56 fancyhdr-xetex-bidi.def

```
8989 \ProvidesFile{fancyhdr-xetex-bidi.def}[2012/04/18 v0.4 bidi adaptations for fancyhdr package]
8990 \let\fnch@everypar\everypar%
8991 \def\@fancyhead#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hbox{#2}%
8992 \@fancyvbox\headheight{\hbox
8993   {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLmain\endR\else\endL\fi\hbox{#3}%
8994   \parbox[b]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else\endL\fi\hbox{#4}%
8995   \llap{\parbox[b]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLmain\endR\else\endL\fi\hbox{#5}}}}
8996 \def\@fancyfoot#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hbox{#2}%
8997 \@fancyvbox\footskip{\footrule
8998   \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLmain\endR\else\endL\fi\hbox{#3}%
8999   \parbox[t]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else\endL\fi\hbox{#4}%
9000   \llap{\parbox[t]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLmain\endR\else\endL\fi\hbox{#5}}}}}
```

7.57 fix2col-xetex-bidi.def

```
9001 \ProvidesFile{fix2col-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for fix2col package]
9002 \def\RTL@outputdblcol{%
9003   \if@firstcolumn
9004     \global\@firstcolumnfalse
9005     \global\setbox\@leftcolumn\copy\@outputbox
9006     \splitmaxdepth\maxdimen
9007     \vbadness\maxdimen
9008     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9009     \toks@{\expandafter{\topmark}}%
9010     \xdef\@firstcoltopmark{\the\toks@}%
9011     \toks@{\expandafter{\splitfirstmark}}%
9012     \xdef\@firstcolfirstmark{\the\toks@}%
9013     \ifx\@firstcolfirstmark\@empty
9014       \global\let\@setmarks\relax
9015     \else
9016       \gdef\@setmarks{%
9017         \let\firstmark\@firstcolfirstmark
9018         \let\topmark\@firstcoltopmark}%
9019     \fi
9020 \else \global\@firstcolumntrue
9021 \setbox\@outputbox \vbox {\hbox to\textwidth {%
9022 \hskip \columnwidth
9023 \hfil \vrule width\columnseprule \hfil
9024 \hbox to\columnwidth {\box\@leftcolumn \hss}}%
9025 \hskip -\textwidth
9026 \hbox to\columnwidth{\box\@outputbox \hss}}%
9027 \hskip \columnsep
9028 \hskip \columnwidth }}%
9029 \@combinedblfloats \@setmarks \@outputpage
9030 \begingroup \@dblfloatplacement \@startdblcolumn
9031 \@whiles\if@fcolmade \fi
9032 {\@outputpage \@startdblcolumn }\endgroup}
```

```

9033 \fi}
9034 \def\LTR@outputdblcol{%
9035   \if@firstcolumn
9036     \global\@firstcolumnfalse
9037     \global\setbox\@leftcolumn\copy\@outputbox
9038     \splitmaxdepth\maxdimen
9039     \vbadness\maxdimen
9040     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9041     \toks@\expandafter{\topmark}%
9042     \xdef\@firstcoltopmark{\the\toks@}%
9043     \toks@\expandafter{\splitfirstmark}%
9044     \xdef\@firstcolfirstmark{\the\toks@}%
9045     \ifx\@firstcolfirstmark\@empty
9046       \global\let\@setmarks\relax
9047     \else
9048       \gdef\@setmarks{%
9049         \let\firstmark\@firstcolfirstmark
9050         \let\topmark\@firstcoltopmark}%
9051   \fi
9052 \else
9053   \global\@firstcolumntrue
9054   \setbox\@outputbox\vbox{%
9055     \hb@xt@\textwidth{%
9056       \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
9057       \hfil
9058       \vrule \@width\columnseprule
9059       \hfil
9060       \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
9061 \@combinedblfloats
9062 \@setmarks
9063 \@outputpage
9064 \begingroup
9065   \@dblfloatplacement
9066   \@startdblcolumn
9067   \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
9068 \endgroup
9069 \fi}

```

7.58 fleqn-xetex-bidi.def

```

9070 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
9071 \renewcommand\[{ \relax
9072   \ifmmode\@badmath
9073   \else
9074     \begin{trivlist}%
9075       \@beginparpenalty\predisplaypenalty
9076       \@endparpenalty\postdisplaypenalty
9077       \item[]\leavevmode
9078       \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
9079       \hskip\mathindent\bgroup

```

```

9080          \fi}
9081 \renewcommand\]{\relax
9082          \ifmode
9083          \egroup $\hfil% $
9084          \endL\egroup
9085          \end{trivlist}%
9086          \else \@badmath
9087          \fi}
9088 \renewenvironment{equation}%
9089   {\@beginparpenalty\predisplaypenalty
9090    \@endparpenalty\postdisplaypenalty
9091    \refstepcounter{equation}%
9092    \trivlist \item[]\leavevmode
9093     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
9094     \displaystyle
9095     \hskip\mathindent}%
9096   {$\hfil % $
9097     \displaywidth\linewidth\hbox{\@eqnnum}%
9098     \endL\egroup
9099   \endtrivlist}

```

7.59 float-xetex-bidi.def

```

9100 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for Xe
9101 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\{\@fs@cfont #1:} #2}%
9102   \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
9103   \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
9104 \def\float@newx#1[#2]{\ifundefined{c@#1}{\newcounter{#1}[#2]%
9105   \expandafter\edef\csname the#1\endcsname{%
9106     \expandafter\noexpand\csname
9107       the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
9108   {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

7.60 floatrow-xetex-bidi.def

```

9109 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
9110 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
9111   \expandafter\edef\csname theFB@captype\endcsname{%
9112     \expandafter\noexpand\csname
9113       the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}

```

7.61 flowfram-xetex-bidi.def

```

9114 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package
9115 \def\@outputdblcol{%
9116   \@nxtcol=\c@thisframe
9117   \c@curpg=\c@page
9118   \@g@tnextcol{\@nxtcol}%
9119   \if@ff@nwpg % next flow frame starts on new page
9120     \global\@firstcolumntrue
9121     \@setcolbox\c@thisframe
9122   \if@specialpage

```

```

9123 \global\@specialpagefalse
9124 \@nameuse{ps@\@specialstyle}\relax
9125 \fi
9126 \if@twoside
9127 \ifodd\count\z@
9128 \let\@thehead\@oddhead
9129 \let\@thefoot\@oddfoot
9130 \else
9131 \let\@thehead\@evenhead
9132 \let\@thefoot\@evenfoot
9133 \fi
9134 \else
9135 \let\@thehead\@oddhead
9136 \let\@thefoot\@oddfoot
9137 \fi
9138 \@begindvi
9139 \@dodynamicthehead\@dodynamicthefoot
9140 \vbadness=\@M
9141 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
9142 \@combinedblfloats
9143 \@outputpage
9144 \advance\c@curpg by -\c@page\relax
9145 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
9146 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
9147 \@outputpage}
9148 \begingroup
9149 \@dblfloatplacement
9150 \@startdblcolumn
9151 \@whilesw \if@fcolmade \fi
9152 {\@outputpage \@startdblcolumn }\endgroup
9153 \@resetst@tics
9154 \@resetdyn@mics
9155 \else % still on same page, save contents of box255
9156 \global\@firstcolumnfalse
9157 \setcolbox\c@thisframe
9158 \fi
9159 \global\c@thisframe=\@nxtcol
9160 \@setcol{\c@thisframe}\relax
9161 \global\@colht\vsiz
9162 }
9163 \def\@outputpage{%
9164 \begingroup
9165 \let\protect\noexpand
9166 \@resetactivechars
9167 \global\let\@if@newlist@if@newlist
9168 \global\@newlistfalse\@parboxrestore
9169 \shipout\vbox{\set@typeset@protect
9170 \aftergroup
9171 \endgroup
9172 \aftergroup

```



```

9173 \set@typeset@protect
9174 \reset@font\normalsize\normalsfcodes
9175 \let\label@gobble
9176 \let\index@gobble
9177 \let\glossary@gobble
9178 \baselineskip\z@skip
9179 \lineskip\z@skip
9180 \lineskiplimit\z@
9181 \vskip\topmargin\moveright\@themargin
9182 \vbox{%
9183     \vskip\headheight
9184     \vskip\headsep
9185     \box\@outputbox
9186 }%
9187 \global\let\if@newlist\@if@newlist
9188 \stepcounter{page}%
9189 \setcounter{displayedframe}{0}%
9190 \let\firstmark\botmark}
9191
9192
9193 \newcommand*\bidi@stfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{}}{%
9194 \expandafter\bidicolor\ff@txtcol}}
9195
9196 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
9197 {\hb@xt@ #1{\hss{\bidi@stfftextcol #3}\hss}\vss\kern\z@}}}%
9198
9199
9200 \renewcommand*\@docolbox}[1]{%
9201 \edef\ff@frametype{%
9202 \csname @ff@frametype@\romannumeral#1\endcsname}%
9203 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
9204 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
9205 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
9206 \@ff@setoffset{#1}%
9207 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
9208 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
9209 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
9210 {\csname colheight\romannumeral#1\endcsname}{%
9211 \expandafter\box\csname column\romannumeral#1\endcsname}{%
9212 \csname\ff@frametype\endcsname}%
9213 }{%
9214 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
9215 {\csname colheight\romannumeral#1\endcsname}{%
9216 \expandafter\box\csname column\romannumeral#1\endcsname}%
9217 }}}
9218 \@ifclassloaded{book}{%
9219 \renewcommand\theequation
9220 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9221 \renewcommand \thefigure
9222 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}

```

```

9223 \renewcommand \thetable
9224     {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@table}
9225 \renewcommand \thechapter {\@arabic\c@chapter}
9226 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9227 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9228 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
9229 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9230 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
9231 \@ifclassloaded{report}{%
9232 \renewcommand \theequation
9233     {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9234 \renewcommand \thefigure
9235     {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9236 \renewcommand \thetable
9237     {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@table}
9238 \renewcommand \thechapter {\@arabic\c@chapter}
9239 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9240 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9241 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
9242 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9243 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
9244 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
9245 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
9246 \else
9247 #2\relax
9248 \fi}

```

7.62 footnote-xetex-bidi.def

```

9249 \ProvidesFile{footnote-xetex-bidi.def}[2013/04/26 v0.8 bidi footnote macros for XeTeX engine]
9250 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
9251 \newif\ifbidi@autofooterule
9252 \def\bidi@mpfootnoterule{\footnoterule}
9253 \newcounter{footdir@label}
9254 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
9255 \newcommand*{\footdir@write}{%
9256 \stepcounter{footdir@label}%
9257 \zref@labelbyprops{\thefootdir@label}{abspage}%
9258 }
9259 \newif\iffootdir@debug
9260 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
9261 \newtoks\footdir@toks
9262 \newcommand*{\footdir@debug}[1]{%
9263 \iffootdir@debug
9264 \typeout{[footdir] #1}%
9265 \fi
9266 }
9267 \@ifpackagelater{zref-abspage}{2012/10/27}{%
9268 \newcommand*{\footdir@LeftRightElse}{%
9269 \ltx@ifundefined{footdir@the\value{zabspage}}{%

```

```

9270     \footdir@debug{abspage \the\value{zabspage}: else}%
9271     \ltx@thirdofthree
9272 }{%
9273   \if\csname footdir@\the\value{zabspage}\endcsname L%
9274     \footdir@debug{abspage \the\value{zabspage}: left}%
9275     \expandafter\ltx@firstofthree
9276   \else
9277     \footdir@debug{abspage \the\value{zabspage}: right}%
9278     \expandafter\ltx@secondofthree
9279   \fi
9280 }%
9281 }%
9282 }{%
9283   \providecommand*\c@zabspage{\c@abspage}%
9284   \newcommand*\footdir@LeftRightElse{%
9285     \footdir@write
9286     \zifrefundefined{\thefootdir@label}{%
9287       \footdir@debug{abspage ??: else}%
9288       \ltx@thirdofthree
9289     }{%
9290       \edef\footdir@abspage{%
9291         \zref@extractdefault{\thefootdir@label}{abspage}{0}%
9292       }%
9293       \ltx@ifundefined{footdir@\footdir@abspage}{%
9294         \footdir@debug{\footdir@abspage: else}%
9295         \ltx@thirdofthree
9296       }{%
9297         \if\csname footdir@\footdir@abspage\endcsname L%
9298           \footdir@debug{\footdir@abspage: left}%
9299           \expandafter\ltx@firstofthree
9300         \else
9301           \footdir@debug{\footdir@abspage: right}%
9302           \expandafter\ltx@secondofthree
9303         \fi
9304       }%
9305     }%
9306   }%
9307 }
9308 \newcommand*\footdir@fntext}[1]{%
9309   \zifrefundefined{\thefootdir@label}{%
9310   }{%
9311     \edef\footdir@name{%
9312       footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
9313     }%
9314     \@ifundefined{\footdir@name}{%
9315       \expandafter\gdef\csname\footdir@name\endcsname{#1}%
9316     }{}%
9317   }%
9318 }
9319

```

```

9320 \newcommand*{\footdir@temp}[3]{%
9321   \@ifdefinable{#1}{%
9322     \let#1#2%
9323     \renewcommand{#2}[1]{%
9324       \footdir@write
9325       \footdir@fntext{#3}%
9326       \stepcounter{footdir@label}%
9327       \footdir@fntext{#3}%
9328       \footdir@toks{##1}%
9329       \footdir@toks\expandafter{%
9330         \the\expandafter\footdir@toks
9331         \expandafter
9332         \zref@labelbyprops\expandafter{\the\footdir@label}{abspage}%
9333       }%
9334       \expandafter#1\expandafter{\the\footdir@toks}%
9335     }%
9336   }%
9337 }
9338
9339 \def\right@footnoterule{%
9340   \hbox to \columnwidth
9341   {\beginR \vbox{\kern -3\p@
9342     \hrule width .4\columnwidth \kern2.6\p@}\hfil\endR}}
9343 \def\left@footnoterule{%
9344   \hrule width .4\columnwidth\kern 2.6\p@}
9345 \def\textwidth@footnoterule{\kern-3\p@
9346   \hrule \@width \columnwidth \kern 2.6\p@}
9347 \def\leftfootnoterule{%
9348   \bidi@autofootnoterulefalse%
9349   \def\footnoterule{\left@footnoterule}}
9350 \let\LRfootnoterule=\leftfootnoterule
9351 \def\rightfootnoterule{%
9352   \bidi@autofootnoterulefalse%
9353   \def\footnoterule{\right@footnoterule}}
9354 \def\textwidthfootnoterule{%
9355   \bidi@autofootnoterulefalse%
9356   \def\footnoterule{\textwidth@footnoterule}}
9357
9358
9359
9360 \def\auto@footnoterule{%
9361   \footdir@LeftRightElse%
9362   \left@footnoterule%
9363   \right@footnoterule%
9364   \left@footnoterule%
9365 }
9366
9367
9368
9369 \def\autofootnoterule{%

```

```

9370 \bidi@autofootnoteruletrue%
9371 \def\footnoterule{\auto@footnoterule}%
9372 }
9373
9374 \newcommand*\SplitFootnoteRule{%
9375   \gdef\split@prev{0}
9376   \let\pagefootnoterule\footnoterule
9377   \let\mpfootnoterule\footnoterule
9378   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
9379   \def\footnoterule{\relax
9380     \ifx \@listdepth\@mplistdepth
9381       \mpfootnoterule
9382     \else
9383       \ifnum\split@prev=\z@
9384         \pagefootnoterule
9385       \else
9386         \splitfootnoterule
9387       \fi
9388       \xdef\split@prev{\the\insertpenalties}%
9389     \fi
9390   }%
9391 }
9392
9393
9394
9395
9396 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
9397   \protected@xdef\@thefnmark{\thempfn}%
9398   \@footnotemark\@RTLfootnotetext}}
9399 \def\@xRTLfootnote[#1]{%
9400   \begingroup
9401     \csname c@\@mpfn\endcsname #1\relax
9402     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9403   \endgroup
9404   \@footnotemark\@RTLfootnotetext}
9405 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
9406   \protected@xdef\@thefnmark{\thempfn}%
9407   \@footnotemark\@LTRfootnotetext}}
9408 \def\@xLTRfootnote[#1]{%
9409   \begingroup
9410     \csname c@\@mpfn\endcsname #1\relax
9411     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9412   \endgroup
9413   \@footnotemark\@LTRfootnotetext}
9414
9415
9416 \def\setfootnoteRL{\@RTL@footnotetrue}
9417 \def\unsetfootnoteRL{\@RTL@footnotefalse}
9418 \def\setfootnoteLR{\unsetfootnoteRL}
9419

```

```

9420 \long\def\@footnotetext#1{\insert\footins{%
9421   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9422   \reset@font\footnotesize
9423   \interlinepenalty\interfootnotelinepenalty
9424   \splittopskip\footnotesep
9425   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
9426   \hsize\columnwidth \@parboxrestore
9427   \protected@edef\@currentlabel{%
9428     \csname p@footnote\endcsname\@thefnmark
9429   }%
9430   \color@begingroup
9431     \makefntext{%
9432       \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
9433     \color@endgroup}}%
9434
9435
9436 \long\def\@RTLfootnotetext#1{\insert\footins{%
9437   \@RTLtrue%
9438   \reset@font\footnotesize
9439   \interlinepenalty\interfootnotelinepenalty
9440   \splittopskip\footnotesep
9441   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
9442   \hsize\columnwidth \@parboxrestore
9443   \protected@edef\@currentlabel{%
9444     \csname p@footnote\endcsname\@thefnmark
9445   }%
9446   \color@begingroup
9447     \makefntext{%
9448       \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
9449     \color@endgroup}}%
9450
9451 \long\def\@LTRfootnotetext#1{\insert\footins{%
9452   \@RTLfalse%
9453   \reset@font\footnotesize
9454   \interlinepenalty\interfootnotelinepenalty
9455   \splittopskip\footnotesep
9456   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
9457   \hsize\columnwidth \@parboxrestore
9458   \protected@edef\@currentlabel{%
9459     \csname p@footnote\endcsname\@thefnmark
9460   }%
9461   \color@begingroup
9462     \makefntext{%
9463       \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
9464     \color@endgroup}}%
9465
9466 \AtBeginDocument{%
9467   \if@RTL@footnote
9468     \newcommand*{\bidi@footdir@footnote}{R}
9469   \else

```

```

9470 \newcommand*{\bidi@footdir@footnote}{L}
9471 \fi%
9472 }
9473
9474 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
9475 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
9476 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
9477
9478 \long\def\@mpRTLfootnotetext#1{%
9479 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
9480 \global\setbox\@mpfootins\vbox{\@RTLtrue%
9481 \unvbox\@mpfootins
9482 \reset@font\footnotesize
9483 \hsize\columnwidth
9484 \@parboxrestore
9485 \protected@edef\@currentlabel
9486 {\csname p@mpfootnote\endcsname\@thefnmark}%
9487 \color@begingroup
9488 \@makefntext{%
9489 \rule{z@{\footnotesep}\ignorespaces#1\@finalstrut\strutbox}%
9490 \color@endgroup}}
9491 \long\def\@mpLTRfootnotetext#1{%
9492 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
9493 \global\setbox\@mpfootins\vbox{\@RTLfalse%
9494 \unvbox\@mpfootins
9495 \reset@font\footnotesize
9496 \hsize\columnwidth
9497 \@parboxrestore
9498 \protected@edef\@currentlabel
9499 {\csname p@mpfootnote\endcsname\@thefnmark}%
9500 \color@begingroup
9501 \@makefntext{%
9502 \rule{z@{\footnotesep}\ignorespaces#1\@finalstrut\strutbox}%
9503 \color@endgroup}}
9504 \long\def\@mpfootnotetext#1{%
9505 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
9506 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9507 \unvbox\@mpfootins
9508 \reset@font\footnotesize
9509 \hsize\columnwidth
9510 \@parboxrestore
9511 \protected@edef\@currentlabel
9512 {\csname p@mpfootnote\endcsname\@thefnmark}%
9513 \color@begingroup
9514 \@makefntext{%
9515 \rule{z@{\footnotesep}\ignorespaces#1\@finalstrut\strutbox}%
9516 \color@endgroup}}
9517 \def\@iiminipage#1#2[#3]#4{%
9518 \leavevmode
9519 \@pboxswfalse

```

```

9520 \ifRTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
9521 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
9522 \setlength\@tempdima{#4}%
9523 \def\@mpargs{#{1}-{2}[#3]{#4}}%
9524 \setbox\@tempboxa\vbox\bgroup
9525   \color@begingroup
9526     \hsize\@tempdima
9527     \textwidth\hsize \columnwidth\hsize
9528     \@parboxrestore
9529     \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
9530     \let\@footnotetext\@mpfootnotetext
9531     \let\@LTRfootnotetext\@mpLTRfootnotetext
9532     \let\@RTLfootnotetext\@mpRTLfootnotetext
9533     \let\@listdepth\@mplistdepth \@mplistdepth\z@
9534     \@minipagerestore
9535     \@setminipage}
9536 \def\endminipage{%
9537   \par
9538   \unskip
9539   \ifvoid\@mpfootins\else
9540     \vskip\skip\@mpfootins
9541     \normalcolor
9542     \bidi@mpfootnoterule
9543     \unvbox\@mpfootins
9544   \fi
9545   \@minipagefalse %% added 24 May 89
9546   \color@endgroup
9547   \egroup
9548   \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
9549 \def\LTRthanks#1{\footnotemark
9550   \protected@xdef\@thanks{\@thanks
9551     \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
9552 }
9553 \def\LTRfootnotetext{%
9554   \ifnextchar [\@xLTRfootnotenext
9555     {\protected@xdef\@thefnmark{\thempfn}%
9556     \@LTRfootnotetext}}
9557 \def\@xLTRfootnotenext[#1]{%
9558   \begingroup
9559     \csname c@\@mpfn\endcsname #1\relax
9560     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9561   \endgroup
9562   \@LTRfootnotetext}
9563 \def\RTLthanks#1{\footnotemark
9564   \protected@xdef\@thanks{\@thanks
9565     \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
9566 }
9567 \let\@thanks\@empty
9568 \def\RTLfootnotetext{%
9569   \ifnextchar [\@xRTLfootnotenext

```



```

9570      {\protected\xdef\@thefnmark{\thempfn}%
9571      \@RTLfootnotetext}}
9572 \def\@xRTLfootnotenext[#1]{%
9573   \begingroup
9574     \csname c@\mpfn\endcsname #1\relax
9575     \unrestored@protected\xdef\@thefnmark{\thempfn}%
9576   \endgroup
9577   \@RTLfootnotetext}
9578 \leftfootnoterule

```

7.63 framed-xetex-bidi.def

```

9579 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for
9580 \renewcommand\TitleBarFrame[3] []{\begingroup
9581   \ifx\delimiter#1\delimiter
9582     \let\TF@conlab\@empty
9583   \else
9584     \def\TF@conlab{% continuation label
9585       \nointerlineskip
9586       \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
9587   \fi
9588   %\let\TF@savecolor\current@color
9589   \textcolor{TFFrameColor}{%
9590   \CustomFBox
9591     {\TF@Title{#2}}{\TF@conlab}%
9592     \fbboxrule\fbboxrule\fbboxrule\fbboxrule
9593     %{\let\current@color\TF@savecolor\set@color #3}%
9594     {\normalcolor #3}%
9595   }\endgroup
9596 }
9597 \renewenvironment{titled-frame}[1]{%
9598   \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt
9599     \TitleBarFrame{\textbf{#1}}}%
9600   \def\FirstFrameCommand{\fbboxsep8pt\fbboxrule2pt
9601     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
9602   \def\MidFrameCommand{\fbboxsep8pt\fbboxrule2pt
9603     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1\ (cont
9604   \def\LastFrameCommand{\fbboxsep8pt\fbboxrule2pt
9605     \TitleBarFrame{\textbf{#1\ (cont)}}}%
9606   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
9607 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
9608 % could interfere with the width measurement.
9609 {\endMakeFramed}
9610 \chardef\FrameRestore=\catcode'\| % for debug
9611 \catcode'\|=\catcode'\% % (debug: insert space after backslash)
9612 \def\fb@put@frame#1#2{\relax
9613   \ifdim\pagegoal=\maxdimen \pagegoal\vspace \fi
9614   | \message{===== Entering putframe =====^^J
9615   | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
9616   \ifinner

```

```

9617 \fb@putboxa#1%
9618 \fb@afterframe
9619 \else
9620 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
9621 \ifdim\dimen@<2\baselineskip % Too little room on page
9622 | \message{Page has only \the\dimen@\space room left; eject. }%
9623 \eject \fb@adjheight \fb@put@frame#1#2%
9624 \else % there's appreciable room left on the page
9625 \fb@sizeofframe#1%
9626 | \message{\string\pagetotal=\the\pagetotal,
9627 | \string\pagegoal=\the\pagegoal,
9628 | \string\pagestretch=\the\pagestretch,
9629 | \string\pageshrink=\the\pageshrink,
9630 | \string\fb@frh=\the\fb@frh. \space}
9631 | \message{^^JBox of size \the\ht\@tempboxa\space}%
9632 \begingroup % temporarily set \dimen@ to be...
9633 \advance\dimen@.8\pageshrink % maximum space available on page
9634 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
9635 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
9636 \expandafter\endgroup
9637 % expand \ifdim, then restore \dimen@ to real room left on page
9638 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
9639 | \message{fits in \the\dimen@. }%
9640 % ToDo: Change this to use vsplit anyway to capture the marks
9641 % MERGE THIS WITH THE else CLAUSE!!!
9642 \fb@putboxa#1%
9643 \fb@afterframe
9644 \else % box must be split
9645 | \message{must be split to fit in \the\dimen@. }%
9646 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
9647 \fb@sizeofframe#2%
9648 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
9649 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
9650 \kern137sp\kern-137sp\penalty-30
9651 \unvbox\@tempboxa}%
9652 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
9653 \splittopskip\the\splittopskip}%
9654 \boxmaxdepth\z@ \splittopskip\z@
9655 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
9656 % Split box here
9657 \setbox\tw@\vsplit\@tempboxa to\dimen@
9658 | \toks99\expandafter{\splitfirstmark}%
9659 | \toks98\expandafter{\splitbotmark}%
9660 | \message{Marks are: \the\toks99, \the\toks98. }%
9661 \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
9662 | \message{Natural height of split box is \the\ht\tw@, leaving
9663 | \the\ht\@tempboxa\space remainder. }%
9664 % If the split-to size > (\vsize-\topskip), then set box to full size.
9665 \begingroup
9666 \advance\dimen@\topskip

```

```

9667 \expandafter\endgroup
9668 \ifdim\dimen@>\pagegoal
9669 | \message{Frame is big -- Use up the full column. }%
9670 \dimen@ii\pagegoal
9671 \advance\dimen@ii -\topskip
9672 \advance\dimen@ii \FrameHeightAdjust\relax
9673 \else % suspect this is implemented incorrectly:
9674 % If the split-to size > feasible room_on_page, rebox it smaller.
9675 \advance\dimen@.8\pageshrink
9676 \ifdim\ht\tw@>\dimen@
9677 | \message{Box too tall; rebox it to \the\dimen@. }%
9678 \dimen@ii\dimen@
9679 \else % use natural size
9680 \dimen@ii\ht\tw@
9681 \fi
9682 \fi
9683 % Re-box contents to desired size \dimen@ii
9684 \advance\dimen@ii -\fb@frh
9685 \setbox\tw@\vbox to\dimen@ii \bgroup
9686 % remove simulated frame and page flexibility:
9687 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
9688 \unvbox\tw@ \unpenalty\unpenalty
9689 \ifdim\lastkern=-137sp % whole box went to next page
9690 | \message{box split at beginning! }%
9691 % need work here???
9692 \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
9693 \fb@adjheight
9694 \fb@put@frame#1#2% INSERTED ???
9695 \else % Got material split off at the head
9696 \egroup \fb@resto@set
9697 \ifvoid\@tempboxa % it all fit after all
9698 | \message{box split at end! }%
9699 \setbox\@tempboxa\box\tw@
9700 \fb@putboxa#1%
9701 \fb@afterframe
9702 \else % it really did split
9703 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
9704 \ifdim\wd\tw@>\z@
9705 \wd\tw@\wd\@tempboxa
9706 \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
9707 \else
9708 | \message{Zero width means likely blank. Don't frame it (guess)}%
9709 \box\tw@
9710 \fi
9711 \hrule \@height\z@ \@width\hsize
9712 \eject
9713 \fb@adjheight
9714 \fb@put@frame\LastFrameCommand\MidFrameCommand
9715 \fi\fi\fi\fi\fi
9716 }

```

```

9717 \def\fb@putboxa#1{%
9718   \ifvoid\@tempboxa
9719     \PackageWarning{framed}{Boxa is void -- discard it. }%
9720   \else
9721     \message{Frame and place boxa. }%
9722     %{\showoutput\showbox\@tempboxa}%
9723     \centerline{#1{\hboxL{\box\@tempboxa}}}%
9724   \fi
9725 }
9726 \catcode'\|=\FrameRestore
9727 \def\FrameRestore{%
9728   \let\if@nobreak\iffalse
9729   \let\if@noskipsec\iffalse
9730   \let\-\@dischyph
9731   \let'\@acci\let'\@accii\let\=\@acciii
9732   % \message{FrameRestore:
9733   %   \@totalleftmargin=\the \@totalleftmargin,
9734   %   \rightmargin=\the\rightmargin,
9735   %   \@listdepth=\the\@listdepth. }%
9736   % Test if we are in a list (or list-like paragraph)
9737   \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
9738     \ifdim\rightmargin>\z@ 1\fi
9739     \ifnum\@listdepth>\z@ 1\fi 0>\z@
9740     % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
9741     %   \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
9742     %   \labelwidth=\the\labelwidth. }%
9743     \@setminipage % snug fit around the item
9744     % Now try to propagate changes of width from \hsize to list parameters.
9745     % This is deficient, but a more advanced way to indicate modification to text
9746     % dimensions is not (yet) provided; in particular, no separate left/right
9747     % adjustment.
9748     \advance\linewidth-\columnwidth \advance\linewidth\hsize
9749     \parshape\@ne \@totalleftmargin \linewidth
9750   \else % Not in list
9751     \linewidth=\hsize
9752     %\message{No list, set \string\linewidth=\the\hsize. }%
9753   \fi
9754   \sloppy
9755 }

```

7.64 ftnright-xetex-bidi.def

```

9756 \ProvidesFile{ftnright-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for ftnright package]
9757 \def\LTR@outputdblcol{\if@firstcolumn
9758   \global\@firstcolumnfalse
9759   \global\setbox\@leftcolumn\box\@outputbox
9760   \global\count\footins\@m
9761   \global\skip\footins\rcol@footinsskip
9762 \else \preparefootins
9763   \global\@firstcolumntrue

```



```

9811 \Grot@setangle{#1}%
9812 \setbox\z@\hbox{{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}}%
9813 \Grot@x\z@
9814 \Grot@y\z@
9815 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
9816 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
9817 \leavevmode
9818 \def\Gscale@x{#1}\def\Gscale@y{#2}%
9819 \setbox\z@\hbox{{#3}}%
9820 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
9821 \ifdim#2\p@<\z@
9822 \ht\tw@-#2\dp\z@
9823 \dp\tw@-#2\ht\z@
9824 \else
9825 \ht\tw@#2\ht\z@
9826 \dp\tw@#2\dp\z@
9827 \fi
9828 \ifdim#1\p@<\z@
9829 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
9830 \else
9831 \wd\tw@#1\wd\z@
9832 \box\tw@
9833 \fi\ifmmode\else\if@RTL\endL\fi\fi}
9834 \def\Gin@iii[#1,#2][#3,#4]#5{%
9835 \begingroup
9836 \ifmmode\else\if@RTL\beginL\fi\fi
9837 \Gin@bboxtrue
9838 \Gin@defaultbp\Gin@llx{#1}%
9839 \Gin@defaultbp\Gin@lly{#2}%
9840 \Gin@defaultbp\Gin@urx{#3}%
9841 \Gin@defaultbp\Gin@ury{#4}%
9842 \Gin@include@graphics{#5}%
9843 \ifmmode\else\if@RTL\endL\fi\fi
9844 \endgroup}
9845 \def\Gin@ii[#1]#2{%
9846 \def\@tempa{[]}\def\@tempb{#2}%
9847 \ifx\@tempa\@tempb
9848 \def\@tempa{\Gin@iii[#1] []}%
9849 \expandafter\@tempa
9850 \else
9851 \begingroup
9852 \ifmmode\else\if@RTL\beginL\fi\fi
9853 \@tempswafalse
9854 \toks@{\Gin@include@graphics{#2}}%
9855 \setkeys{Gin}{#1}%
9856 \Gin@esetsize
9857 \the\toks@
9858 \ifmmode\else\if@RTL\endL\fi\fi
9859 \endgroup
9860 \fi}

```

```

9861 \def\reflectbox{\bidiGscale@box-1[1]}
9862 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
9863   \leavevmode
9864   \def\Gscale@x{#1}\def\Gscale@y{#2}%
9865   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
9866   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
9867   \ifdim#2\p@<\z@
9868     \ht\tw@-#2\dp\z@
9869     \dp\tw@-#2\ht\z@
9870   \else
9871     \ht\tw@#2\ht\z@
9872     \dp\tw@#2\dp\z@
9873   \fi
9874   \ifdim#1\p@<\z@
9875     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
9876   \else
9877     \wd\tw@#1\wd\z@
9878     \box\tw@
9879   \fi\ifmmode\else\if@RTL\endL\fi\fi}
9880 \def\scalebox#1{%
9881   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
9882 \def\resizebox{%
9883   \leavevmode
9884   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
9885 \def\bidiGscale@@box#1#2#3{%
9886   \let@tempa\Gin@exclamation
9887   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
9888   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
9889   \ifx\@tempb\@tempa
9890     \ifx\@tempc\@tempa
9891       \toks@{\mbox}%
9892     \else
9893       \toks@{\bidiGscale@box@dd{#3}#1}%
9894     \fi
9895   \else
9896     \ifx\@tempc\@tempa
9897       \toks@{\bidiGscale@box@dd{#2}\width}%
9898     \else
9899       \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
9900     \fi
9901   \fi
9902   \the\toks@}
9903 \long\def\bidiGscale@box@dd#1#2#3{%
9904   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
9905   \setlength\@tempdima{#1}%
9906   \setlength\@tempdimb{#2}%
9907   \Gscale@div\@tempa\@tempdima\@tempdimb
9908   \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
9909   \@end@tempboxa}
9910 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%

```

```

9911 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if
9912 \setlength\@tempdima{#1}%
9913 \setlength\@tempdimb{#2}%
9914 \Gscale@div\@tempa\@tempdima\@tempdimb
9915 \setlength\@tempdima{#3}%
9916 \setlength\@tempdimb{#4}%
9917 \Gscale@div\@tempb\@tempdima\@tempdimb
9918 \ifGin@iso
9919 \ifdim\@tempa\p@>\@tempb\p@
9920 \let\@tempa\@tempb
9921 \else
9922 \let\@tempb\@tempa
9923 \fi
9924 \fi
9925 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
9926 \@end@tempboxa}

```

7.66 geometry-xetex-bidi.def

```

9927 \ProvidesFile{geometry-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for geometry package]
9928 \renewcommand*{\Gm@vrules@mpi}{%
9929 \if@RTLmain%
9930 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
9931 \llap{\Gm@vrule}\ignorespaces
9932 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
9933 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
9934 \else%
9935 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
9936 \hskip \textwidth\Gm@vrule\hskip \marginparsep
9937 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
9938 \renewcommand*{\Gm@vrules@mpii}{%
9939 \if@RTLmain%
9940 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
9941 \hskip \textwidth\Gm@vrule\hskip \marginparsep
9942 \llap{\Gm@vrule}\hfil\Gm@vrule}%
9943 \else%
9944 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
9945 \llap{\Gm@vrule}\ignorespaces
9946 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
9947 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
9948

```

7.67 hvfloat-xetex-bidi.def

```

9949 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package]
9950 \def\do@hvFloat[#1]#2#3{%
9951 \def\hv@shortCap{#1}
9952 \def\hv@longCap{#2}
9953 \def\hv@label{#3}
9954 %\newcommand*{\hvFloat}[5][{}]{%
9955 % [#1]: keyvalues

```



```

9956 % #2: type figure | table | ...
9957 % #3: float contents
9958 % [#4]: short caption
9959 % #5: caption
9960 % #6: label
9961 % \setDefault%
9962 % \def\@tempa{#1}%
9963 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
9964 % \def\@tempa{90}%
9965 % \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
9966 % \else \setlength{\hvMaxCapWidth}{\linewidth}
9967 % \fi
9968 %
9969 % First we save the object in \hvObjectBox
9970 %
9971 % \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
9972 % \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
9973 % \else
9974 % \savebox{\hvObjectBox}{%
9975 % \rotatebox{\hvSet@objectAngle}{%
9976 % \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
9977 % \fi
9978 % \setlength{\hvObjectWidth}{\wd\hvObjectBox}
9979 %
9980 % Now we save the caption with its defined \hvCapWidth
9981 %
9982 % \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
9983 % \else
9984 % \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
9985 % \else
9986 % \setlength{\hvCapWidth}{\hvObjectWidth}
9987 % \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
9988 % \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
9989 % \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
9990 % \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
9991 % \else
9992 % \setlength{\hvCapWidth}{\hvMaxCapWidth}
9993 % \fi
9994 % \fi
9995 % \fi
9996 %
9997 % now we have the object and the caption with the right
9998 % rotated angles saved in boxes
9999 %
10000 % \def\fps@figure{\hvSet@floatPos}
10001 % \ifhv@nonFloat\begin{group}% Start the nonfloat part
10002 % \else \begin{\hv@floatType}% Start the floating environment
10003 % \fi%
10004 % \saveCaptionSkip% we put this space ourselves
10005 % \ifx\hvSet@capAngle\hv@Width % need rotation?

```

```

10006 \sbox{\hvCaptionBox}{%
10007 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
10008 \ifhv@nonFloat%
10009 \ifhv@onlyText#2%
10010 \else%
10011 \ifx\hv@floatType\hv@figure
10012 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
10013 \else
10014 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
10015 \fi
10016 \fi
10017 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
10018 \fi%
10019 \label{#3}%
10020 \end{minipage}%
10021 }%
10022 \else%
10023 \sbox{\hvCaptionBox}{%
10024 \rotatebox{\hvSet@capAngle}{%
10025 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
10026 \ifhv@nonFloat%
10027 \ifhv@onlyText#2%
10028 \else%
10029 \ifx\hv@floatType\hv@figure
10030 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
10031 \else
10032 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
10033 \fi
10034 \fi
10035 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
10036 \fi%
10037 \label{#3}%
10038 \end{minipage}%
10039 }%
10040 }%
10041 \fi%
10042 %%
10043 \restoreCaptionSkip% save old values
10044 \ifx\hvSet@objectPos\hv@Right\@bidi@raggedleft%
10045 \else%
10046 \ifx\hvSet@objectPos\hv@Center
10047 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
10048 \fi%
10049 \fi%
10050 %
10051 % to rotate object and caption together, we save all in another box
10052 % the caption comes first, if its on the left or the top
10053 %
10054 \savebox{\@tempboxa}{%
10055 \ifx\hvSet@capPos\hv@Left % caption on left side

```

```

10056 \if@RTL%
10057 \ifx\hvSet@capVPos\hv@Center%
10058 \ifhv@fbox
10059 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
10060 \else
10061 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10062 \fi%
10063 \hspace{\hvSet@floatCapSep pt}%
10064 \ifhv@fbox
10065 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10066 \else
10067 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
10068 \fi%
10069 \else%
10070 \ifx\hvSet@capVPos\hv@Top
10071 \ifhv@fbox
10072 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10073 \else
10074 \raisebox{-\height}{\usebox{\hvObjectBox}}%
10075 \fi%
10076 \hspace{\hvSet@floatCapSep pt}%
10077 \ifhv@fbox
10078 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10079 \else
10080 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10081 \fi
10082 \else
10083 \ifhv@fbox
10084 \fbox{\usebox{\hvObjectBox}}%
10085 \else
10086 \usebox{\hvObjectBox}%
10087 \fi
10088 \hspace{\hvSet@floatCapSep pt}%
10089 \ifhv@fbox
10090 \fbox{\usebox{\hvCaptionBox}}%
10091 \else
10092 \usebox{\hvCaptionBox}%
10093 \fi%
10094 \fi%
10095 \fi%
10096 \else% not RTL
10097 \ifx\hvSet@capVPos\hv@Center%
10098 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10099 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
10100 \fi%
10101 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10102 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
10103 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10104 \fi%
10105 \else%

```

```

10106 \ifx\hvSet@capVPos\hv@Top % caption at top
10107 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10108 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10109 \fi
10110 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10111 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10112 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
10113 \fi%
10114 \else% caption on bottom
10115 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
10116 \else\usebox{\hvCaptionBox}
10117 \fi%
10118 \hspace{\hvSet@floatCapSep pt}%
10119 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
10120 \else \usebox{\hvObjectBox}
10121 \fi%
10122 \fi%
10123 \fi% end of RTL
10124 \fi%
10125 \else
10126 \ifx\hvSet@capPos\hv@Top
10127 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
10128 \begin{minipage}{\wd\hvCaptionBox}
10129 \else
10130 \begin{minipage}{\wd\hvObjectBox}
10131 \fi
10132 \centering
10133 \ifhv@fbox
10134 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
10135 \fbbox{\usebox{\hvObjectBox}}
10136 \else
10137 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
10138 \usebox{\hvObjectBox}
10139 \fi%
10140 \end{minipage}
10141 \else
10142 \ifx\hvSet@capPos\hv@Bottom
10143 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
10144 \begin{minipage}{\wd\hvCaptionBox}
10145 \else
10146 \begin{minipage}{\wd\hvObjectBox}
10147 \fi
10148 \centering
10149 \ifhv@fbox
10150 \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
10151 \fbbox{\usebox{\hvCaptionBox}}
10152 \else
10153 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
10154 \usebox{\hvCaptionBox}
10155 \fi%

```

```

10156 \end{minipage}
10157 \else% the last option: put the caption on the right
10158 \if@RTL%
10159     \ifx\hvSet@capVPos\hv@Center%
10160         \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10161         \else         \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
10162         \fi%
10163         \hspace{\hvSet@floatCapSep pt}% capfloatsep
10164         \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
10165         \else         \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10166         \fi%
10167     \else%
10168         \ifx\hvSet@capVPos\hv@Top % caption at top
10169             \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10170             \else         \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10171             \fi
10172             \hspace{\hvSet@floatCapSep pt}% capfloatsep
10173             \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}
10174             \else         \raisebox{-\height}{\usebox{\hvObjectBox}}%
10175             \fi%
10176         \else% caption on bottom
10177             \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
10178             \else\usebox{\hvCaptionBox}
10179             \fi%
10180             \hspace{\hvSet@floatCapSep pt}%
10181             \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
10182             \else         \usebox{\hvObjectBox}
10183             \fi%
10184         \fi%
10185     \fi%
10186 \else% not RTL
10187 \ifx\hvSet@capVPos\hv@Center%
10188 \ifhv@fbox
10189 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
10190 \else
10191 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10192 \fi%
10193 \hspace{\hvSet@floatCapSep pt}%
10194 \ifhv@fbox
10195 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10196 \else
10197 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
10198 \fi%
10199 \else%
10200 \ifx\hvSet@capVPos\hv@Top
10201 \ifhv@fbox
10202 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10203 \else
10204 \raisebox{-\height}{\usebox{\hvObjectBox}}%
10205 \fi%

```

```

10206 \hspace{\hvSet@floatCapSep pt}%
10207 \ifhv@fbox
10208 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10209 \else
10210 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10211 \fi
10212 \else
10213 \ifhv@fbox
10214 \fbox{\usebox{\hvObjectBox}}%
10215 \else
10216 \usebox{\hvObjectBox}%
10217 \fi
10218 \hspace{\hvSet@floatCapSep pt}%
10219 \ifhv@fbox
10220 \fbox{\usebox{\hvCaptionBox}}%
10221 \else
10222 \usebox{\hvCaptionBox}%
10223 \fi%
10224 \fi%
10225 \fi
10226 \fi% end of RTL
10227 \fi
10228 \fi
10229 \fi
10230 }% End savebox Object and caption
10231 %
10232 % now we rotate the object and caption, if needed
10233 %
10234 \ifx\hvSet@rotAngle\hv@Zero
10235 \usebox{\@tempboxa}
10236 \else
10237 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
10238 \fi
10239 \ifhv@nonFloat
10240 \ifx\hvSet@objectPos\hv@Center
10241 \ifhv@nonFloat
10242 \hspace{\fill}
10243 \fi
10244 \fi
10245 \endgroup% End the nonfloat part
10246 \else
10247 \end{\hv@floatType}% End the floating environment
10248 \fi
10249 }

```

7.68 hyperref-xetex-bidi.def

```

10250 \ProvidesFile{hyperref-xetex-bidi.def}[2013/04/08 v0.7 bidi adaptations for hyperref package]
10251 \AtBeginDocument{%
10252 \def\contentsline#1#2#3#4{%

```

```

10253 \ifx\#4\%
10254 \csname l@#1\endcsname{#2}{#3}%
10255 \else
10256 \ifcase\Hy@linktoc % none
10257 \csname l@#1\endcsname{#2}{#3}%
10258 \or % section
10259 \csname l@#1\endcsname{%
10260 \beginL\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend\endL
10261 }{#3}%
10262 \or % page
10263 \csname l@#1\endcsname{#2}{#3}%
10264 \beginL\hyper@linkstart{link}{#4}{#3}\hyper@linkend\endL
10265 }%
10266 \else % all
10267 \csname l@#1\endcsname{%
10268 \beginL\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend\endL
10269 }{#3}%
10270 \beginL\hyper@linkstart{link}{#4}{#3}\hyper@linkend\endL
10271 }%
10272 \fi
10273 \fi
10274 }
10275 \ifHy@hyperfootnotes
10276 \let\H@@footnotetext\@footnotetext
10277 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
10278 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
10279 \def\@xfootnotenext[#1]{%
10280 \begingroup
10281 \csname c@\@mpfn\endcsname #1\relax
10282 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10283 \endgroup
10284 \ifx\@footnotetext\@mpfootnotetext
10285 \expandafter\H@@mpfootnotetext
10286 \else
10287 \expandafter\H@@footnotetext
10288 \fi
10289 }%
10290 \def\@xRTLfootnotenext[#1]{%
10291 \begingroup
10292 \csname c@\@mpfn\endcsname #1\relax
10293 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10294 \endgroup
10295 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
10296 \expandafter\HRTL@mpRTLfootnotetext
10297 \else
10298 \expandafter\HRTL@RTLfootnotetext
10299 \fi
10300 }%
10301 \def\@xLTRfootnotenext[#1]{%
10302 \begingroup

```

```

10303      \csname c@\mpfn\endcsname #1\relax
10304      \unrestored@protected@xdef\@thefnmark{\thempfn}%
10305  \endgroup
10306  \ifx\@LTRfootnotetext\@mpLTRfootnotetext
10307      \expandafter\HLTR@\mpLTRfootnotetext
10308  \else
10309      \expandafter\HLTR@\LTRfootnotetext
10310  \fi
10311 }%
10312  \def\@xfootnotemark[#1]{%
10313  \begingroup
10314      \c@footnote #1\relax
10315      \unrestored@protected@xdef\@thefnmark{\thefootnote}%
10316  \endgroup
10317  \H@\footnotemark
10318 }%
10319  \let\H@\mpfootnotetext\@mpfootnotetext
10320  \let\HRTL@\mpRTLfootnotetext\@mpRTLfootnotetext
10321  \let\HLTR@\mpLTRfootnotetext\@mpLTRfootnotetext
10322  \long\def\@mpfootnotetext#1{%
10323  \H@\mpfootnotetext{%
10324      \ifHy@nesting
10325          \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10326      \else
10327          \Hy@raisedlink{%
10328              \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
10329          }#1%
10330      \fi
10331  }%
10332 }%
10333  \long\def\@mpRTLfootnotetext#1{%
10334  \HRTL@\mpRTLfootnotetext{%
10335      \ifHy@nesting
10336          \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10337      \else
10338          \Hy@raisedlink{%
10339              \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
10340          }#1%
10341      \fi
10342  }%
10343 }%
10344  \long\def\@mpLTRfootnotetext#1{%
10345  \HLTR@\mpLTRfootnotetext{%
10346      \ifHy@nesting
10347          \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10348      \else
10349          \Hy@raisedlink{%
10350              \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
10351          }#1%
10352      \fi

```



```

10353     }%
10354 }%
10355 \long\def\@footnotetext#1{%
10356 \H@@footnotetext{%
10357   \ifHy@nesting
10358     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10359   \else
10360     \Hy@raisedlink{%
10361       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
10362     }%
10363     \let\@currentHlabel\Hy@footnote@currentHlabel
10364     \let\@currentHref\Hy@footnote@currentHref
10365     \let\@currentlabelname\@empty
10366     #1%
10367   \fi
10368 }%
10369 }%
10370 \long\def\@RTLfootnotetext#1{%
10371 \HRTL@@RTLfootnotetext{%
10372   \ifHy@nesting
10373     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10374   \else
10375     \Hy@raisedlink{%
10376       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
10377     }%
10378     \let\@currentHlabel\Hy@footnote@currentHlabel
10379     \let\@currentHref\Hy@footnote@currentHref
10380     \let\@currentlabelname\@empty
10381     #1%
10382   \fi
10383 }%
10384 }%
10385 \long\def\@LTRfootnotetext#1{%
10386 \HLTR@@LTRfootnotetext{%
10387   \ifHy@nesting
10388     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10389   \else
10390     \Hy@raisedlink{%
10391       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
10392     }%
10393     \let\@currentHlabel\Hy@footnote@currentHlabel
10394     \let\@currentHref\Hy@footnote@currentHref
10395     \let\@currentlabelname\@empty
10396     #1%
10397   \fi
10398 }%
10399 }%
10400 \def\@footnotemark{%
10401   \leavevmode
10402   \ifhmode\edef\@x@sf{\the\spacefactor}\nobreak\fi

```

```

10403 \stepcounter{Hfootnote}%
10404 \global\let\Hy@saved@currentHlabel\@currentHlabel
10405 \global\let\Hy@saved@currentHref\@currentHref
10406 \hyper@makecurrent{Hfootnote}%
10407 \global\let\Hy@footnote@currentHlabel\@currentHlabel
10408 \global\let\Hy@footnote@currentHref\@currentHref
10409 \global\let\@currentHlabel\Hy@saved@currentHlabel
10410 \global\let\@currentHref\Hy@saved@currentHref
10411 \beginL\hyper@linkstart{link}{\Hy@footnote@currentHref}%
10412 \@makefnmark
10413 \hyper@linkend\endL
10414 \ifhmode\spacefactor\@x@sf\fi
10415 \relax
10416 }%
10417 \let\HyOrg@maketitle\maketitle
10418 \def\maketitle{%
10419 \let\Hy@saved@footnotemark\@footnotemark
10420 \let\Hy@saved@footnotetext\@footnotetext
10421 \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
10422 \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
10423 \let\@footnotemark\H@@footnotemark
10424 \let\@footnotetext\H@@footnotetext
10425 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
10426 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
10427 \@ifnextchar[\Hy@maketitle@optarg{% ]
10428 \HyOrg@maketitle
10429 \Hy@maketitle@end
10430 }%
10431 }%
10432 \def\Hy@maketitle@optarg[#1]{%
10433 \HyOrg@maketitle[#{#1}]%
10434 \Hy@maketitle@end
10435 }%
10436 \def\Hy@maketitle@end{%
10437 \ifx\@footnotemark\H@@footnotemark
10438 \let\@footnotemark\Hy@saved@footnotemark
10439 \fi
10440 \ifx\@footnotetext\H@@footnotetext
10441 \let\@footnotetext\Hy@saved@footnotetext
10442 \fi
10443 \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
10444 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
10445 \fi
10446 \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
10447 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
10448 \fi
10449 }%
10450 \def\realfootnote{%
10451 \@ifnextchar[\@xfootnote{%
10452 \stepcounter{\@mpfn}%

```

```

10453      \protected@xdef\@thefnmark{\thempfn}%
10454      \H@@footnotemark\H@@footnotetext
10455    }%
10456  }%
10457 \fi
10458 \def\hyper@link#1#2#3{%
10459   \ifmmode\else\beginL\fi\hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\endL\fi
10460 }
10461 \def\url@#1{\beginL\hyper@linkurl{\Hurl{#1}}{#1}\endL}
10462 \def\hyper@natlinkstart#1{%
10463   \Hy@backout{#1}%
10464   \beginL\hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
10465   \def\hyper@nat@current{#1}%
10466 }
10467 \def\hyper@natlinkend{%
10468   \if@RTL\endR\fi\hyper@linkend\endL
10469 }
10470 \def\hyper@natlinkbreak#1#2{%
10471   \if@RTL\endR\fi\hyper@linkend\endL#1\beginL\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
10472 }%
10473 }
10474 \begingroup
10475   \catcode'\$=6 %
10476   \catcode'\#=12 %
10477   \gdef\href@#1{\expandafter\href@split$1#\}\}%
10478   \gdef\href@split$1$2#$3\\$4{%
10479     \beginL\hyper@link{#1}{#2}\if@RTL\beginR\fi$4\if@RTL\endR\fi}\endL%
10480   \endgroup
10481 }%
10482 \endgroup
10483 \pdfstringdefDisableCommands{%
10484   \let\LRE\@firstofone
10485   \let\LR\@firstofone
10486   \let\RLE\@firstofone
10487   \let\RL\@firstofone
10488   \def\XeTeX{XeTeX}
10489   \def\XeLaTeX{XeLaTeX}
10490 }

```

7.69 leqno-xetex-bidi.def

```

10491 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX]
10492 \renewcommand\@eqnnum{\hb@xt@.01\p{}}%
10493     \rlap{
10494       \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theeqnum)}
10495     }

```

7.70 letter-xetex-bidi.def

```

10495 \ProvidesFile{letter-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for standard letter class]
10496 \renewcommand*\@opening[1]{\ifx\@empty\fromaddress
10497   \thispagestyle{firstpage}%

```

```

10498     {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
10499 \else % home address
10500   \thispagestyle{empty}%
10501   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
10502     \fromaddress \*[2\parskip]%
10503     \@date \end{tabular}\par}%
10504 \fi
10505 \vspace{2\parskip}%
10506 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
10507 \vspace{2\parskip}%
10508 #1\par\nobreak}
10509 \renewcommand\left@footnoterule{%
10510   \kern-\p@
10511   \hrule \@width .4\columnwidth
10512   \kern .6\p@}
10513 \renewcommand\right@footnoterule{%
10514   \hbox to \columnwidth
10515   {\beginR \vbox{%
10516     \kern-\p@
10517     \hrule \@width .4\columnwidth
10518     \kern .6\p@}\hfil\endR}}

```

7.71 lettrine-xetex-bidi.def

```

10519 \ProvidesFile{lettrine-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for lettrine package]
10520 \def\@lettrine[#1]#2#3{%
10521   \setcounter{L@lines}{\theDefaultLines}%
10522   \renewcommand*{\L@hang}{\DefaultLhang}%
10523   \renewcommand*{\L@oversize}{\DefaultLoversize}%
10524   \renewcommand*{\L@raise}{\DefaultLraise}%
10525   \renewcommand*{\L@ante}{\}%
10526   \setlength{\L@Findent}{\DefaultFindent}%
10527   \setlength{\L@Nindent}{\DefaultNindent}%
10528   \setlength{\L@slope}{\DefaultSlope}%
10529   \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
10530   \if\DefaultOptionsFile\relax
10531   \else
10532     \begingroup
10533     \InputIfFileExists{\DefaultOptionsFile}%
10534     {}%
10535     {\PackageWarning{lettrine.sty}%
10536      {File \DefaultOptionsFile\space not found}%
10537     }%
10538   \def\color##1##{\l@color{##1}}%
10539   \let\l@color\@gobbletwo
10540   \def\textcolor##1##{\l@textcolor{##1}}%
10541   \def\l@textcolor##1##2##3{##3}%
10542   \expandafter\ifx\curname \l@#2-keys\endcurname\relax
10543     \gdef\l@LOKeys{%
10544     \else

```

```

10545         \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
10546     \fi
10547 \endgroup
10548 \def\KV@prefix{KV@L@}%
10549 \let\@tempc\relax
10550 \expandafter\KV@do\l@LOKeys,\relax,
10551 \sbox{\L@lbox}{\LettrineFont #2}%
10552 \settowidth{\LettrineWidth}{\usebox{\L@lbox}}%
10553 \def\KV@prefix{KV@L@}%
10554 \let\@tempc\relax
10555 \expandafter\KV@do\l@LOKeys,\relax,
10556 \fi
10557 \setkeys{L}{#1}%
10558 \ifL@image
10559     \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
10560 \else
10561     \sbox{\L@lbox}{\LettrineFont #2}%
10562 \fi
10563 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
10564 \@tempdima=\baselineskip
10565 \ifnum\theL@lines=1
10566     \setlength{\L@first}{\ht\L@lbox}%
10567     \addtolength{\L@first}{-\ht\L@tbox}%
10568     \setlength{\L@lraise}{\z@}%
10569 \else
10570     \setlength{\L@first}{-\theL@lines\@tempdima}%
10571     \addtolength{\L@first}{\@tempdima}%
10572     \sbox{\@tempboxa}{\LettrineTextFont x}%
10573     \addtolength{\L@first}{-\ht\@tempboxa}%
10574     \setlength{\L@lraise}{-\L@raise\L@first}%
10575     \addtolength{\L@first}{\L@lraise}%
10576     \addtolength{\L@first}{\ht\L@lbox}%
10577     \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
10578     \addtolength{\L@lraise}{\@tempdima}%
10579 \fi
10580 \par
10581 \ifdim\L@first>0.2\p@\vskip\L@first\fi
10582 \setlength{\L@Pindent}{\wd\L@lbox}%
10583 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
10584 \settowidth{\L@first}{\L@ante}%
10585 \addtolength{\L@Pindent}{\L@first}%
10586 \addtolength{\L@Pindent}{\L@Findent}%
10587 \setlength{\L@first}{\linewidth}%
10588 \addtolength{\L@first}{-\L@Pindent}%
10589 \addtolength{\L@Nindent}{\L@Pindent}%
10590 \setlength{\L@next}{\linewidth}%
10591 \addtolength{\L@next}{-\L@Nindent}%
10592 \addtolength{\L@Pindent}{\rightmargin}%
10593 \addtolength{\L@Nindent}{\rightmargin}%
10594 \addtocounter{L@lines}{1}%

```

```

10595 \if@RTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@
10596 \@tempcnta=\tw@
10597 \@whilenum \@tempcnta<\c@L@lines\do{%
10598   \if@RTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \t
10599   \addtolength{\L@Nindent}{\L@slope}%
10600   \addtolength{\L@next}{-\L@slope}%
10601   \advance\@tempcnta\@ne}%
10602 \if@RTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \t
10603 \noindent
10604 \parshape=\L@parshape\relax
10605 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
10606   \hskip \the\L@Findent}}%
10607 \usebox{\L@tbox}}

```

7.72 listings-xetex-bidi.def

```

10608 \ProvidesFile{listings-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for listings package]
10609 \AtBeginDocument{
10610   \ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{
10611     \lst@ifnumberbychapter
10612       \gdef\thelstlisting%
10613         {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
10614   \else
10615     \gdef\thelstlisting{\@arabic\c@lstlisting}
10616   \fi}

```

7.73 loadingorder-xetex-bidi.def

```

10617 \ProvidesFile{loadingorder-xetex-bidi.def}[2013/05/22 v0.95 making sure that bidi is the last]
10618 \bidi@isloaded{amsmath}
10619 \bidi@isloaded{amstext}
10620 \bidi@isloaded{amsthm}
10621 \bidi@isloaded{breqn}
10622 \bidi@isloaded{cals}
10623 \bidi@isloaded{caption}
10624 \bidi@isloaded{crop}
10625 \bidi@isloaded{cuted}
10626 \bidi@isloaded{cutwin}
10627 \bidi@isloaded{color}
10628 \bidi@isloaded{dblfnote}
10629 \bidi@isloaded{xcolor}
10630 \bidi@isloaded{colortbl}
10631 \bidi@isloaded{float}
10632 \bidi@isloaded{floatrow}
10633 \bidi@isloaded{flowfram}
10634 \bidi@isloaded{framed}
10635 \bidi@isloaded{ftnright}
10636 \bidi@isloaded{xltextra}
10637 \bidi@isloaded{xunicode}
10638 \bidi@isloaded{wrapfig}
10639 \bidi@isloaded{graphicx}

```

```

10640 \bidi@isloaded{geometry}
10641 \bidi@isloaded{hvfloat}
10642 \bidi@isloaded{mdframed}
10643 \bidi@isloaded{midfloat}
10644 \bidi@isloaded{nththeorem}
10645 \bidi@isloaded{nththeorem-hyper}
10646 \bidi@isloaded{hyperref}
10647 \bidi@isloaded{fancybox}
10648 \bidi@isloaded{fancyhdr}
10649 \bidi@isloaded{fix2col}
10650 \bidi@isloaded{draftwatermark}
10651 \bidi@isloaded{empheq}
10652 \bidi@isloaded{pdfpages}
10653 \bidi@isloaded{listings}
10654 \bidi@isloaded{lettrine}
10655 \bidi@isloaded{pstricks}
10656 \bidi@isloaded{pgf}
10657 \bidi@isloaded{picinpar}
10658 \bidi@isloaded{quotchap}
10659 \bidi@isloaded{tikz}
10660 \bidi@isloaded{titlesec}
10661 \bidi@isloaded{titletoc}
10662 \bidi@isloaded{array}
10663 \bidi@isloaded{stabular}
10664 \bidi@isloaded{subfig}
10665 \bidi@isloaded{subfigure}
10666 \bidi@isloaded{supertabular}
10667 \bidi@isloaded{xtab}
10668 \bidi@isloaded{longtable}
10669 \bidi@isloaded{arydshln}
10670 \bidi@isloaded{multicol}
10671 \bidi@isloaded{multienum}
10672 \bidi@isloaded{minitoc}
10673 \bidi@isloaded{natbib}
10674 \bidi@isloaded{newfloat}
10675 \bidi@isloaded{ragged2e}
10676 \bidi@isloaded{rotating}
10677 \bidi@isloaded{tbls}
10678 \bidi@isloaded{tabulary}
10679 \bidi@isloaded{tocstyle}
10680 \bidi@isloaded{tocbibind}
10681 \bidi@isloaded{fontspec}
10682 \bidi@isloaded{arabxetex}
10683 \bidi@isloaded{polyglossia}
10684 \bidi@isloaded{fancyvrb}
10685 \AtBeginDocument{
10686   \if@bidi@amsmathloaded@{\else
10687     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi packa
10688     \fi%
10689     \if@bidi@amstextloaded@{\else

```

```

10690     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi packa
10691 \fi%
10692 \if@bidi@amsthmloaded@else
10693     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi packa
10694 \fi%
10695 \if@bidi@breqnloaded@else
10696     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi packag
10697 \fi%
10698 \if@bidi@calsloaded@else
10699     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi packag
10700 \fi%
10701 \if@bidi@captionloaded@else
10702     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi packa
10703 \fi%
10704 \if@bidi@croploaded@else
10705     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package
10706 \fi%
10707 \if@bidi@colorloaded@else
10708 \@ifpackageloaded{hyperref}{-}{%
10709     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi packag
10710 \fi%
10711 \if@bidi@cutwinloaded@else
10712     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi packag
10713 \fi%
10714 \if@bidi@cutedloaded@else
10715     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi packag
10716 \fi%
10717 \if@bidi@dblfnoteloaded@else
10718     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pack
10719 \fi%
10720 \if@bidi@xcolorloaded@else
10721     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi packag
10722 \fi%
10723 \if@bidi@colortblloaded@else
10724     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pack
10725 \fi%
10726 \if@bidi@floatloaded@else
10727     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi packag
10728 \fi%
10729 \if@bidi@floatrowloaded@else
10730     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pack
10731 \fi%
10732 \if@bidi@flowframloaded@else
10733     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pack
10734 \fi%
10735 \if@bidi@framedloaded@else
10736     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packag
10737 \fi%
10738 \if@bidi@ftnrightloaded@else
10739     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pack

```



```

10740 \fi%
10741 \if@bidi@xltxttraloaded@else
10742     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxttra after bidi pack
10743 \fi%
10744 \if@bidi@xunicodeloaded@else
10745     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pack
10746 \fi%
10747 \if@bidi@wrapfigloaded@else
10748     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi pack
10749 \fi%
10750 \if@bidi@graphicxloaded@else
10751     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pack
10752 \fi%
10753 \if@bidi@geometryloaded@else
10754     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pack
10755 \fi%
10756 \if@bidi@hvfloatloaded@else
10757     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi pack
10758 \fi%
10759 \if@bidi@mdframedloaded@else
10760     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pack
10761 \fi%
10762 \if@bidi@midfloatloaded@else
10763     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pack
10764 \fi%
10765 \if@bidi@ntheoremloaded@else
10766     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pack
10767 \fi%
10768 \if@bidi@hyperrefloaded@else
10769     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pack
10770 \fi%
10771 \if@bidi@fancyboxloaded@else
10772     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pack
10773 \fi%
10774 \if@bidi@fancyhdrloaded@else
10775     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pack
10776 \fi%
10777 \if@bidi@draftwatermarkloaded@else
10778     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bid
10779 \fi%
10780 \if@bidi@empheqloaded@else
10781     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi packag
10782 \fi%
10783 \if@bidi@pdfpagesloaded@else
10784     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pack
10785 \fi%
10786 \if@bidi@lettrineloaded@else
10787     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi pack
10788 \fi%
10789 \if@bidi@listingsloaded@else

```

```

10790     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pack
10791 \fi%
10792 \if@bidi@pstricksloaded@else
10793     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pack
10794 \fi%
10795 \if@bidi@pgfloaded@else
10796     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
10797 \fi%
10798 \if@bidi@picinparloaded@else
10799     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi pack
10800 \fi%
10801 \if@bidi@quotchaploaded@else
10802     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi pack
10803 \fi%
10804 \if@bidi@tikzloaded@else
10805     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package.
10806 \fi%
10807 \if@bidi@titlesecloaded@else
10808     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi pack
10809 \fi%
10810 \if@bidi@titletocloaded@else
10811     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi pack
10812 \fi%
10813 \if@bidi@arrayloaded@else
10814     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package
10815 \fi%
10816 \if@bidi@stabularloaded@else
10817     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi pack
10818 \fi%
10819 \if@bidi@subfigloaded@else
10820     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi packag
10821 \fi%
10822 \if@bidi@subfigureloaded@else
10823     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pac
10824 \fi%
10825 \if@bidi@supertabularloaded@else
10826     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi
10827 \fi%
10828 \if@bidi@xtabloaded@else
10829     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package.
10830 \fi%
10831 \if@bidi@longtableloaded@else
10832     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pac
10833 \fi%
10834 \if@bidi@arydshnloaded@else
10835     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi pack
10836 \fi%
10837 \if@bidi@multicolloaded@else
10838     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi pack
10839 \fi%

```

```

10840 \if@bidi@multienumloaded@else
10841   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pack
10842 \fi%
10843 \if@bidi@minitocloaded@else
10844   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packa
10845 \fi%
10846 \if@bidi@natbibloaded@else
10847   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi packag
10848 \fi%
10849 \if@bidi@newfloatloaded@else
10850   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi pack
10851 \fi%
10852 \csname if@bidi@ragged2eloaded@endcsname\else
10853   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi pack
10854 \fi%
10855 \if@bidi@rotatingloaded@else
10856   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi pack
10857 \fi%
10858 \if@bidi@tblsloaded@else
10859   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package
10860 \fi%
10861 \if@bidi@tabularyloaded@else
10862   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi pack
10863 \fi%
10864 \if@bidi@tocstyleloaded@else
10865   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi pack
10866 \fi%
10867 \if@bidi@tocbibindloaded@else
10868   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pa
10869 \fi%
10870 \if@bidi@fontspecloaded@else
10871   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pack
10872 \fi%
10873 \if@bidi@arabxetexloaded@else
10874   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pa
10875 \fi%
10876 \if@bidi@polyglossialoaded@else
10877   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi p
10878 \fi%
10879 \if@bidi@fancyvrbloaded@else
10880   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pack
10881 \fi%
10882 }

```

7.74 longtable-xetex-bidi.def

```

10883 \ProvidesFile{longtable-xetex-bidi.def}[2013/04/01 v0.3 bidi adaptations for longtable packag
10884 \def\LT@array[#1]#2{%
10885   \refstepcounter{table}\stepcounter{LT@tables}%
10886   \if l#1%

```

```

10887 \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
10888 \else\if r#1%
10889 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
10890 \else\if c#1%
10891 \LTleft\fill \LTright\fill
10892 \fi\fi\fi
10893 \let\LT@mccl\multicolumn
10894 \let\LT@tabarray\@tabarray
10895 \let\LT@hline\hline
10896 \def\@tabarray{%
10897 \let\hline\LT@hline
10898 \LT@tabarray}%
10899 \let\\LT@tabularcr\let\tabularnewline\\%
10900 \def\newpage{\noalign{\break}}%
10901 \def\pagebreak{\noalign{\ifnum' }=0\fi\@testopt{\LT@no@pgbk-}4}%
10902 \def\nopagebreak{\noalign{\ifnum' }=0\fi\@testopt{\LT@no@pgbk4}}%
10903 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
10904 \@tempdima\ht\strutbox
10905 \let\@endpbox\LT@endpbox
10906 \ifx\extrarowheight\@undefined
10907 \let\@acol\@tabacol
10908 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
10909 \def\@startpbox{\vtop\LT@startpbox}%
10910 \let\@startpbox\@startpbox
10911 \let\@endpbox\@endpbox
10912 \let\LT@LL@FM@cr\@tabularcr
10913 \else
10914 \advance\@tempdima\extrarowheight
10915 \col@sep\@tabcolsep
10916 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
10917 \fi
10918 \setbox\@arstrutbox\hbox{\vrule
10919 \@height \arraystretch \@tempdima
10920 \@depth \arraystretch \dp \strutbox
10921 \@width \z@}%
10922 \let\@sharp##\let\protect\relax
10923 \begingroup
10924 \@mkpream{#2}%
10925 \xdef\LT@bchunk{%
10926 \global\advance\c@LT@chunks\@ne
10927 \global\LT@rows\z@\setbox\z@\vbox\bgroup
10928 \LT@setprevdepth
10929 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
10930 \tabskip\z@ \@arstrut \@preamble \tabskip\LTright \cr}%
10931 \endgroup
10932 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
10933 \LT@make@row
10934 \m@th\let\par\@empty
10935 \everycr{}\lineskip\z@\baselineskip\z@
10936 \LT@bchunk}

```

```

10937 \def\LT@makecaption#1#2#3{%
10938   \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]{\LTcapwidth{%
10939     \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
10940     \ifdim\wd\@tempboxa>\hsize
10941       #1{#2: }#3%
10942     \else
10943       \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
10944     \fi
10945     \endgraf\vskip\baselineskip}%
10946   \hss}}}%
10947 \def\LT@startpbox#1{%
10948   \bgroup
10949   \let\@footnotetext\LT@p@ftntext
10950   \let\@LTRfootnotetext\LT@p@LTRftntext
10951   \let\@RTLfootnotetext\LT@p@RTLftntext
10952   \setlength\hsize{#1}%
10953   \@arrayparboxrestore
10954   \vrule \@height \ht\@arstrutbox \@width \z@}
10955 \def\LT@p@LTRftntext#1{%
10956   \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
10957   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
10958 \def\LT@p@RTLftntext#1{%
10959   \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
10960   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%

```

7.75 mdframed-xetex-bidi.def

```

10961 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
10962 \newif\if@bidi@mdf@RTL
10963 \def\mdf@lrbox#1{%
10964   \mdf@patchamsthm\patch amsthm
10965   \if@RTL\@bidi@mdf@RTLtrue\fi%
10966   \@RTLfalse%
10967   \setbox#1\vbox\bgroup%
10968   \color@begingroup%
10969   \if@bidi@mdf@RTL\@RTLtrue\fi%
10970   \mdf@horizontalmargin@equation%
10971   \columnwidth=\hsize%
10972   \textwidth=\hsize%
10973   \let\if@nobreak\iffalse%
10974   \let\if@noskipsec\iffalse%
10975   \let\par\@par%
10976   \let\-\@dischyph%
10977   \let\'@acci\let\'@accii\let\=@acciii%
10978   \parindent\z@ \parskip\z@skip%
10979   \linewidth\hsize%
10980   \@totalleftmargin\z@%
10981   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
10982   \parfillskip\@flushglue \lineskip\normallineskip%
10983   \baselineskip\normalbaselineskip%

```

```

10984 %% \sloppy%
10985 \let\\@normalcr%
10986 \mdf@par@local%New feature to restore parskip/parindent local in save box
10987 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
10988 \@afterindentfalse%
10989 %\@afterheading%
10990 }
10991 \renewrobustcmd\mdfframetitleenv[1]{%
10992 \mdf@lrbbox{\mdf@frametitlebox}%
10993 \mdf@frametitlealignment%
10994 \leavevmode{\color{\mdf@frametitlefontcolor}%
10995 \normalfont\mdf@frametitlefont{#1}
10996 \ifbool{mdf@ignorelastdescenders}%
10997 {%
10998 \par\strut\par
10999 \unskip\unskip\setbox0=\lastbox
11000 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
11001 }{}}%
11002 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%%
11003 \endmdf@lrbbox\relax%
11004 \mdf@ignoreevbadness%
11005 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
11006 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
11007 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
11008 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
11009 \mdfframetitleboxtotalheight=\dimexpr
11010 \ht\mdf@frametitlebox
11011 +\dp\mdf@frametitlebox%
11012 +\mdf@frametitleaboveskip@length
11013 +\mdf@frametitlebelowskip@length
11014 \relax%
11015 }
11016
11017 \renewrobustcmd*\mdf@footnoteoutput{%
11018 \ifvoid\@mpfootins\else%
11019 \nobreak%
11020 \vskip\mdf@footnotedistance@length%
11021 \normalcolor%
11022 \bidi@mpfootnoterule%
11023 \unvbox\@mpfootins%
11024 \fi%
11025 }
11026
11027
11028 \renewrobustcmd*\mdf@footnoteinput{%
11029 \def\@mpfn{mpfootnote}%
11030 \def\thempfn{\thempfootnote}%
11031 \c@mpfootnote\z@%
11032 \let\@footnotetext\@mpfootnotetext%
11033 \let\@LTRfootnotetext\@mpLTRfootnotetext%

```

```

11034 \let\@RTLfootnotetext\@mpRTLfootnotetext%
11035 }

```

7.76 memoir-xetex-bidi.def

```

11036 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for Xe
11037 \renewcommand{\keepthetitle}{%
11038   \@bsmttitleempty
11039   \global\let\thanks\relax
11040   \global\let\LTRthanks\relax
11041   \global\let\RTLthanks\relax
11042   \global\let\and\relax
11043   \global\let\andnext\relax
11044   \global\let\@thanks\@empty
11045   \global\let\@title\@empty
11046   \global\let\@author\@empty
11047   \global\let\@date\@empty}
11048 \renewcommand{\maketitle}{\par
11049   \begingroup
11050     \@bsmarkseries
11051     \def\@makefnmark{\@textsuperscript{%
11052       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
11053     \long\def\@makefntext##1{\makethanksmark ##1}
11054     \if@twocolumn
11055       \ifnum \col@number=\@one
11056         \@maketitle
11057       \else
11058         \twocolumn[\@maketitle]%
11059       \fi
11060     \else
11061       \ifdim\pagetotal>\z@
11062         \newpage
11063       \fi
11064       \global\@topnum\z@
11065       \@maketitle
11066     \fi
11067     \thispagestyle{title}\@thanks
11068   \endgroup
11069   \@bscontmark % \setcounter{footnote}{0}%
11070 }
11071 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
11072 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
11073 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
11074 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
11075 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
11076 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
11077 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
11078 \renewcommand*{\thesubsection}{%
11079   \thesection\@SepMark\@arabic\c@subsection}
11080 \renewcommand*{\thesubsubsection}{%

```

```

11081             \thesubsection\@SepMark\@arabic\c@subsubsection}
11082 \renewcommand*{\theparagraph}{%
11083             \thesubsubsection\@SepMark\@arabic\c@paragraph}
11084 \renewcommand*{\thesubparagraph}{%
11085             \theparagraph\@SepMark\@arabic\c@subparagraph}
11086 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
11087 \renewcommand{\theequation}{%
11088     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11089 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
11090 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
11091 \ifartopt
11092     \chapterstyle{article}
11093     \counterwithout{figure}{chapter}
11094     \counterwithout{table}{chapter}
11095     \counterwithout{footnote}{chapter}
11096     \counterwithout{equation}{chapter}
11097     \renewcommand{\chaptername}{}
11098     \renewcommand{\maketitlehookb}{%
11099         \vskip -1.5\topsep\vskip -1.5\partopsep}
11100     \renewcommand{\maketitlehookc}{%
11101         \vskip -1.5\topsep\vskip -1.5\partopsep}
11102 \fi
11103 \long\def\@makecaption#1#2{\let\@memtempa\relax
11104     \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
11105     \else \def\@memtempa{\vbox to\topskip{}}\fi
11106     \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
11107     \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
11108     \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
11109     \let\footnote\@contfnote
11110     \let\footnotemark\@contfmark
11111     \ifdim\wd\@tempboxa<\linewidth \centering \fi
11112     \if@contcw
11113         \centering
11114         \parbox{\@contcwidth}{%
11115             \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
11116         \fi
11117     \ifdim\wd\@tempboxa<\linewidth
11118         \@contpre
11119         {\@contnfont #1\@contdelim}\@memtempa
11120         {\@contcshortstyle \@conttfont #2\@contfinal\par}
11121     \else
11122         \if@conthang
11123             \sbox\@tempboxa{\@contnfont #1\@contdelim}
11124             \@contpre%
11125             {\@contcstyle\hangindent=\wd\@tempboxa
11126                 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
11127         \else
11128             \if@contindent
11129                 \@contpre%
11130                 {\@contnfont #1\@contdelim}\@memtempa

```



```

11131         {\@contcstyle\hangindent=\@contindw
11132             \hangafter=\@ne\@conttfont #2\@contfinal\par}% <- v1.4
11133     \else
11134         \@contpre%
11135         {\@contnfont #1\@contdelim}\@memtempa
11136         {\@contcstyle \@conttfont #2\@contfinal\par}
11137     \fi
11138 \fi
11139 \fi
11140 \@contpost
11141 \if@contcw
11142     \par
11143 } % end of the \parbox
11144 \fi
11145 \vskip\belowcaptionskip}
11146 \@ifpackageloaded{caption}{%
11147 \AtBeginPackage{caption}{
11148 \ClassWarningNoLine{memoir}{%
11149 You are using the caption package with the memoir \MessageBreak
11150 class. This may cause unexpected or inconsistent \MessageBreak
11151 results if you use any of memoir's captioning facilities}
11152
11153 \long\def\@makecaption##1##2{%
11154     \vskip\abovecaptionskip
11155     \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
11156     \ifdim \wd\@tempboxa >\hsize
11157         \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
11158     \else
11159         \global \@minipagefalse
11160         \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
11161     \fi
11162     \vskip\belowcaptionskip}
11163
11164 \def\caption{%
11165     \ifx\@capttype\@undefined
11166         \@latex@error{\noexpand\caption outside float}\@ehd
11167         \expandafter\@gobble
11168     \else
11169         \refstepcounter\@capttype
11170         \expandafter\@firstofone
11171     \fi
11172     {\@dblarg{\@caption\@capttype}}%
11173 }
11174
11175 \long\def\@caption##1[##2]##3{%
11176     \par
11177     \addcontentsline{\csname ext@##1\endcsname}{##1}%
11178     {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
11179     \begingroup
11180     \@parboxrestore

```

```

11181 \if@minipage
11182 \setminipage
11183 \fi
11184 \normalsize
11185 \makecaption{\csname fnum###1\endcsname}{\ignorespaces ##3}\par
11186 \endgroup}
11187 }}{}
11188 \renewenvironment{thebibliography}[1]{%
11189 \bibsection
11190 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11191 \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

7.77 midfloat-xetex-bidi.def

```

11192 \ProvidesFile{midfloat-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for midfloat package]
11193 \def\RTL@outputdblcol{%
11194 \if@firstcolumn
11195 \global \@firstcolumnfalse
11196 \global \setbox\@leftcolumn \box\@outputbox
11197 \global\c@colht\@colht\global\c@addvipersep\z@
11198 \ifnum\jua@sk>0
11199 \remove@strip\jua@sar
11200 \global\@colht\the\jua@pr
11201 \ifdim\right@cor>\z@
11202 \global\advance\@colht by\right@cor
11203 \fi
11204 \global\advance\@colht by\cor@height
11205 \global\cor@height=0pt
11206 \fi
11207 \global \setbox\@rightcolumn \vbox{}}%
11208 \else
11209 \ifdim\c@colht>\@colht
11210 \@tempdima\@colht
11211 \ifdim\@colht>\z@
11212 \global\setbox\@rightcolumn \vbox{%
11213 \unvbox\@rightcolumn
11214 \vbox to\@tempdima{%
11215 \vskip\c@addvipersep\unvbox\@outputbox}%
11216 \vskip\stripsep
11217 \vrule height\the\jua@ht width 0pt depth 0pt
11218 \vskip\stripsep
11219 }%
11220 \global\c@addvipersep\m@addvipersep
11221 \else
11222 \global\setbox\@rightcolumn \vbox{%
11223 \unvbox\@rightcolumn
11224 \vrule height\the\jua@ht width 0pt depth 0pt
11225 \vskip\stripsep
11226 }%
11227 \fi

```

```

11228         \ifnum\jua@sk>0
11229             \remove@strip\jua@sar
11230             \global\@colht\the\jua@pr
11231             \global\advance\@colht by -\ht\@rightcolumn
11232             \global\advance\@colht by\cor@height
11233             \global\cor@height=0pt
11234         \else
11235             \global\advance\c@colht by-\ht\@rightcolumn
11236             \global\@colht\c@colht
11237         \fi
11238     \else
11239     \global\@firstcolumntrue
11240     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
11241         \unvbox\@rightcolumn
11242         \vskip\c@addvipersep
11243         \unvbox\@outputbox
11244     }%
11245     \setbox\@outputbox \vbox {%
11246         \hb@xt@\textwidth {%
11247             \hskip \columnwidth
11248             \hfil
11249             \vrule \@width\columnseprule
11250             \hfil
11251             \hb@xt@\columnwidth {%
11252                 \box\@leftcolumn \hss}%
11253             \hskip-\textwidth
11254             \hb@xt@\columnwidth {%
11255                 \box\@outputbox \hss}%
11256             \hskip\columnwidth
11257             \hskip\columnsep}%
11258         }%
11259     \@combinedblfloats
11260     \@outputpage
11261     \begingroup
11262         \@dblfloatplacement
11263         \@startdblcolumn
11264         \@whiles\if@fcolmade \fi
11265         {\@outputpage
11266          \@startdblcolumn}%
11267     \endgroup
11268     \global\jua@sk=0\global\jua@sar={}
11269     \global\cor@height\z@\global\c@addvipersep\z@
11270     \fi
11271 \fi
11272 }
11273
11274
11275 \def\LTR@outputdblcol{%
11276     \if@firstcolumn
11277         \global \@firstcolumnfalse

```

```

11278 \global \setbox\@leftcolumn \box\@outputbox
11279 \global\c@colht\@colht\global\c@addvipersep\z@
11280 \ifnum\jua@sk>0
11281     \remove@strip\jua@sar
11282     \global\@colht\the\jua@pr
11283     \ifdim\right@cor>\z@
11284         \global\advance\@colht by\right@cor
11285     \fi
11286     \global\advance\@colht by\cor@height
11287     \global\cor@height=0pt
11288 \fi
11289 \global \setbox\@rightcolumn \vbox{}%
11290 \else
11291     \ifdim\c@colht>\@colht
11292         \@tempdima\@colht
11293         \ifdim\@colht>\z@
11294             \global\setbox\@rightcolumn \vbox{%
11295                 \unvbox\@rightcolumn
11296                 \vbox to\@tempdima{%
11297                     \vskip\c@addvipersep\unvbox\@outputbox}%
11298                 \vskip\stripsep
11299                 \vrule height\the\jua@ht width 0pt depth 0pt
11300                 \vskip\stripsep
11301             }%
11302             \global\c@addvipersep\m@addvipersep
11303         \else
11304             \global\setbox\@rightcolumn \vbox{%
11305                 \unvbox\@rightcolumn
11306                 \vrule height\the\jua@ht width 0pt depth 0pt
11307                 \vskip\stripsep
11308             }%
11309         \fi
11310     \ifnum\jua@sk>0
11311         \remove@strip\jua@sar
11312         \global\@colht\the\jua@pr
11313         \global\advance\@colht by -\ht\@rightcolumn
11314         \global\advance\@colht by\cor@height
11315         \global\cor@height=0pt
11316     \else
11317         \global\advance\c@colht by-\ht\@rightcolumn
11318         \global\@colht\c@colht
11319     \fi
11320 \else
11321     \global\@firstcolumntrue
11322     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
11323         \unvbox\@rightcolumn
11324         \vskip\c@addvipersep
11325         \unvbox\@outputbox
11326     }%
11327 \setbox\@outputbox \vbox {%

```

```

11328                \hb@xt@\textwidth {%
11329                \hb@xt@\columnwidth {%
11330                \box\@leftcolumn \hss}%
11331                \hfil
11332                \vrule \@width\columnseprule
11333                \hfil
11334                \hb@xt@\columnwidth {%
11335                \box\@outputbox \hss}%
11336                }%
11337            }%
11338        \@combinedblfloats
11339        \@outputpage
11340        \begingroup
11341            \@dblfloatplacement
11342            \@startdblcolumn
11343            \@whiles\if@fcolmade \fi
11344            {\@outputpage
11345             \@startdblcolumn}%
11346        \endgroup
11347        \global\jua@sk=0\global\jua@sar={}%
11348        \global\cor@height\z@\global\c@addvipersep\z@
11349        \fi
11350    \fi
11351 }
11352
11353
11354 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
11355   \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi
11356     \hsize\textwidth
11357     \@parboxrestore
11358     \col@number \@ne
11359     \vrule height\topskip width0pt depth0pt
11360 }
11361
11362 \def\endstrip{%
11363     \egroup\egroup
11364     \if@firstcolumn
11365         \ifdim\pagetotal>\z@
11366             \vskip\stripsep
11367             \global\ht@strip\pagegoal
11368             \global\advance\ht@strip by-\pagetotal
11369             \global\advance\ht@strip by-\stripsep
11370             \global\advance\ht@strip by-\ht\@viper
11371             \global\advance\ht@strip by-\stripsep
11372             \global\jua@ht=\ht\@viper
11373         \else
11374             \global\ht@strip\z@
11375         \fi
11376         \ifdim\ht@strip>\z@
11377             \unvbox\@viper

```

```

11378         \vskip\stripsep
11379         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
11380         \global\advance\jua@sk by1
11381     \else
11382         \@latex@error{Strip needs more place!}\@ehc
11383         \if@vihproof
11384             \framebox[\columnwidth]{??? Strip ???}%
11385         \fi
11386     \fi
11387 \else
11388     \@latex@error{Strip is used only on left column!}\@ehc
11389     \if@vihproof
11390         \framebox[\columnwidth]{??? Strip ???}%
11391     \fi
11392 \fi
11393 }

```

7.78 minitoc-xetex-bidi.def

```

11394 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for xetex]
11395 \def\@undottedtocline#1#2#3#4#5{%
11396     \ifnum #1>\c@tocdepth\relax \else
11397         \vskip \z@ plus.2\p@
11398         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
11399         \parindent #2\relax\@afterindenttrue
11400         \interlinepenalty\@M
11401         \leavevmode
11402         \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
11403         \hskip -\if@RTL\righskip\else\leftskip\fi
11404         #4\nobreak\hfill \nobreak
11405         \null\par}%
11406 \fi}
11407 \def\@Undottedtocline#1#2#3#4#5{%
11408     \ifnum #1>\c@tocdepth\relax \else
11409         \vskip \z@ \@plus.2\p@
11410         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
11411         \parindent #2\relax\@afterindenttrue
11412         \interlinepenalty\@M
11413         \leavevmode
11414         \@tempdima #3\relax
11415         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\leftskip\fi
11416         {\coffee font #4}\nobreak \nobreak\null
11417         \par}%
11418 \fi}
11419 \def\@Undottedtoclinep#1#2#3#4#5{%
11420     \ifnum #1>\c@tocdepth\relax \else
11421         \vskip \z@ \@plus.2\p@
11422         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
11423         \parindent #2\relax\@afterindenttrue
11424         \interlinepenalty\@M

```

```

11425 \leavevmode
11426 \@tempdima #3\relax
11427 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
11428 {#4}\nobreak \hfill \nobreak\null
11429 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
11430 \par}%
11431 \fi}

```

7.79 multicol-xetex-bidi.def

```

11432 \ProvidesFile{multicol-xetex-bidi.def}[2013/11/11 v0.3 bidi adaptations for multicol package]
11433 \def\page@sofar{%
11434   \process@cols\mult@rightbox
11435   {\ifvoid\count@
11436     \setbox\count@\hbox to\hsize{}}%
11437   \else
11438     \wd\count@\hsize
11439   \fi}%
11440 \count@\col@number \advance\count@\m@ne
11441 \mult@info\z@
11442 {Column spec: \the\full@width\space = indent
11443   + columns + sep =\MessageBreak
11444   \the\multicol@leftmargin\space
11445   + \the\col@number\space
11446   x \the\hsize\space
11447   + \the\count@\space
11448   x \the\columnsep
11449 }%
11450 \ifvmode\else\errmessage{Multicol Error}\fi
11451 \nointerlineskip
11452 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
11453 \moveright\multicol@leftmargin
11454 \hbox to\full@width{%
11455   \if@RTL
11456     \process@cols\mult@gfirstbox{%
11457       \hskip\hsize
11458       \hss{\columnseprulecolor\vrule
11459         \@width\columnseprule}\hss
11460     }%
11461     \hskip\hsize
11462     \process@cols\mult@gfirstbox{%
11463       \ifdim\dp\count@>\dimen\tw@
11464         \global\dimen\tw@\dp\count@ \fi
11465       \hskip-\hsize
11466       \box\count@
11467       \hskip-\hsize
11468       \hskip-\columnsep
11469     }%
11470     \ifdim\dp\mult@rightbox>\dimen\tw@
11471     \global\dimen\tw@\dp\mult@rightbox \fi

```

```

11472 \hskip-\hspace
11473 \box\mult@rightbox
11474 \hskip-\hspace
11475 \hskip\full@width
11476 \else
11477 \process@cols\mult@gfirstbox{%
11478 \ifdim\dp\count@>\dimen\tw@
11479 \global\dimen\tw@\dp\count@ \fi
11480 \box\count@
11481 \hss{\columnseprulecolor\vrule
11482 \@width\columnseprule}\hss}%
11483 \ifdim\dp\mult@rightbox>\dimen\tw@
11484 \global\dimen\tw@\dp\mult@rightbox \fi
11485 \box\mult@rightbox
11486 \fi
11487 \rlap{\phantom p}%
11488 }%
11489 \kern-\dimen\tw@
11490 \ifdim\dimen\tw@ = \mc@gridwarn
11491 \PackageWarning{multicol}%
11492 {Very deep columns!\MessageBreak
11493 Grid alignment might be broken}%
11494 \fi
11495 }
11496 \def\multicols#1{\col@number#1\relax
11497 \ifnum\col@number<\tw@
11498 \PackageWarning{multicol}%
11499 {Using '\number\col@number'
11500 columns doesn't seem a good idea.^^J
11501 I therefore use two columns instead}%
11502 \col@number\tw@ \fi
11503 \ifnum\col@number>10
11504 \PackageError{multicol}%
11505 {Too many columns}%
11506 {Current implementation doesn't
11507 support more than 10 columns.%
11508 \MessageBreak
11509 I therefore use 10 columns instead}%
11510 \col@number10 \fi
11511 \ifx\@footnotetext\mult@footnotetext\else
11512 \let\orig@footnotetext\@footnotetext
11513 \let\@footnotetext\mult@footnotetext
11514 \fi
11515 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
11516 \let\orig@LTRfootnotetext\@LTRfootnotetext
11517 \let\@LTRfootnotetext\mult@LTRfootnotetext
11518 \fi
11519 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
11520 \let\orig@RTLfootnotetext\@RTLfootnotetext
11521 \let\@RTLfootnotetext\mult@RTLfootnotetext

```



```

11522      \fi
11523      \@ifnextchar[\mult@cols{\mult@cols[]}]
11524 \long\def\mult@footnotetext#1{\begingroup
11525      \hsize\textwidth
11526      \columnwidth\textwidth
11527      \orig@footnotetext{#1}\endgroup}
11528 \long\def\mult@LTRfootnotetext#1{\begingroup
11529      \hsize\textwidth
11530      \columnwidth\textwidth
11531      \orig@LTRfootnotetext{#1}\endgroup}
11532 \long\def\mult@RTLfootnotetext#1{\begingroup
11533      \hsize\textwidth
11534      \columnwidth\textwidth
11535      \orig@RTLfootnotetext{#1}\endgroup}
11536 \def\right@footnoterule{%
11537   \hbox to \textwidth
11538   {\beginR \vbox{\kern -3\p@
11539    \hrule width .4\columnwidth \kern2.6\p@}\hfil\endR}}
11540 \def\textwidth@footnoterule{\kern-3\p@
11541   \hrule \@width \textwidth \kern 2.6\p@}

```

7.80 multienum-xetex-bidi.def

```

11542 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
11543 \renewcommand{\itemx}[1]{\parbox[t]%
11544 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
11545 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
11546 \renewcommand{\itemxx}[2]{\parbox[t]%
11547 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
11548 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]%
11549 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
11550 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
11551 \renewcommand{\itemxxx}[3]{\parbox[t]%
11552 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
11553 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
11554 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
11555 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
11556 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
11557 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
11558 \renewcommand{\itemxxxx}[4]{\parbox[t]%
11559 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
11560 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
11561 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
11562 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
11563 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
11564 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
11565 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
11566 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
11567 \renewcommand{\itemxxxxx}[5]{\parbox[t]%
11568 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%

```

```

11569 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
11570 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11571 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
11572 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11573 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
11574 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11575 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
11576 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11577 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
11578 \renewcommand{\itemxox}[2]{\parbox[t]%
11579 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11580 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
11581 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11582 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
11583 \renewcommand{\itemxxo}[2]{\parbox[t]%
11584 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11585 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
11586 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11587 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
11588 \renewcommand{\itemxox}[3]{\parbox[t]%
11589 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11590 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
11591 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11592 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
11593 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11594 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
11595 \renewcommand{\itemxxox}[3]{\parbox[t]%
11596 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11597 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
11598 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11599 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
11600 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11601 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
11602 \renewcommand{\itemxxxo}[3]{\parbox[t]%
11603 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11604 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
11605 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11606 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
11607 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11608 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

7.81 natbib-xetex-bidi.def

```

11609 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for
11610 \renewenvironment{thebibliography}[1]{%
11611 \bibsection
11612 \parindent\z@
11613 \bibpreamble
11614 \bibfont
11615 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi

```

```

11616 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
11617 \ifNAT@openbib
11618   \renewcommand\newblock{\par}%
11619 \else
11620   \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
11621 \fi
11622 \sloppy\clubpenalty4000\widowpenalty4000
11623 \sfcode'\.\@m
11624 \let\NAT@bibitem@first@sw\@firstoftwo
11625   \let\citeN\cite \let\shortcite\cite
11626   \let\citeasnoun\cite
11627 }{%
11628 \bibitem@fin
11629 \bibpostamble
11630 \def\@noitemerr{%
11631   \PackageWarning{natbib}{Empty 'thebibliography' environment}%
11632 }%
11633 \endlist
11634 \bibcleanup
11635 }%

```

7.82 newfloat-xetex-bidi.def

```

11636 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
11637 \renewcommand*\newfloat@setwithin[2]{%
11638   \ifcsname c@chapter\endcsname
11639     \@removefromreset{#1}{chapter}%
11640   \fi
11641   \@removefromreset{#1}{section}%
11642   \edef\@tempa{#2}%
11643   \ifx\@tempa\@empty
11644     \def\@tempa{none}%
11645   \fi
11646   \def\@tempb{none}%
11647   \ifx\@tempa\@tempb
11648     \ifcsname c@chapter\endcsname
11649       \@chapterlistsgap@off{#1}%
11650     \fi
11651     \newfloat@@setwithin{#1}{-}{-}%
11652   \else
11653     \def\@tempb{chapter}%
11654     \ifx\@tempa\@tempb
11655       \@addtoreset{#1}{chapter}%
11656       \@chapterlistsgap@on{#1}%
11657       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
11658     \else
11659       \def\@tempb{section}%
11660       \ifx\@tempa\@tempb
11661         \@addtoreset{#1}{section}%
11662         \ifcsname c@chapter\endcsname

```

```

11663         \@addtoreset{#1}{chapter}%
11664         \@chapterlistsgap@on{#1}%
11665         \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
11666     \else
11667         \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection
11668     \fi
11669 \else
11670     \newfloat@Error{Invalid value ‘#2’ for option ‘within’}%
11671 \fi
11672 \fi
11673 \fi}

```

7.83 ntheorem-xetex-bidi.def

```

11674 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
11675 \gdef\@thm#1#2#3{%
11676     \if@thmmarks
11677         \stepcounter{end\InTheoType ctr}%
11678     \fi
11679     \renewcommand{\InTheoType}{#1}%
11680     \if@thmmarks
11681         \stepcounter{curr#1ctr}%
11682         \setcounter{end#1ctr}{0}%
11683     \fi
11684     \refstepcounter{#2}%
11685     \theorem@prework
11686     \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
11687     \ifvmode \advance\thm@topsepadd\partopsep\fi
11688     \trivlist
11689     \@topsep \theorempreskipamount
11690     \@topsepadd \thm@topsepadd % used by \@endparenv
11691     \advance\linewidth -\theorem@indent
11692     \advance\@totalleftmargin \theorem@indent
11693     \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
11694     \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.84 ntheorem-hyper-xetex-bidi.def

```

11695 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hy
11696 \gdef\@thm#1#2#3{%
11697     \if@thmmarks
11698         \stepcounter{end\InTheoType ctr}%
11699     \fi
11700     \renewcommand{\InTheoType}{#1}%
11701     \if@thmmarks
11702         \stepcounter{curr#1ctr}%
11703         \setcounter{end#1ctr}{0}%
11704     \fi
11705     \refstepcounter{#2}%
11706     \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
11707     \ifvmode \advance\thm@topsepadd\partopsep\fi

```

```

11708 \trivlist
11709 \@topsep \theorempreskipamount
11710 \@topsepadd \thm@topsepadd % used by \@endparenv
11711 \advance\linewidth -\theorem@indent
11712 \advance\@totalleftmargin \theorem@indent
11713 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
11714 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.85 pdfpages-xetex-bidi.def

```

11715 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
11716 \renewcommand*{\includepdf}[2][{}]{%
11717 \begingroup
11718 \@RTLfalse
11719 \let\AM@threadname\relax
11720 \AM@split@options{pdfpages}{#1}%
11721 \edef\AM@temp{\pdfpages{\the\@temptokena}}%
11722 \expandafter\setkeys\AM@temp
11723 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
11724 \let\AM@currentdocname\relax
11725 \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
11726 \def\AM@pagecount{0}%
11727 }{%
11728 \AM@findfile{#2}%
11729 \if\AM@threadname\relax
11730 \def\AM@threadname{\AM@currentdocname}%
11731 \fi
11732 }%
11733 \ifAM@survey
11734 \def\AM@pagestemp{}%
11735 \@tempcnta=0
11736 \def\foo{%
11737 \ifundefined{r\AM@xrprefix pdfpages@page\the\@tempcnta}%
11738 {\let\foo\relax}
11739 {\expandafter\ifx\expandafter\\AM@pagestemp\\
11740 \edef\AM@pagestemp{%
11741 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
11742 \else
11743 \edef\AM@pagestemp{\AM@pagestemp,%
11744 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
11745 \fi
11746 \advance\@tempcnta 1\relax
11747 }%
11748 \foo
11749 }%
11750 \foo
11751 \expandafter\ifx\expandafter\\AM@pagestemp\\
11752 \def\AM@pagestemp{1}%
11753 \fi
11754 \fi

```

```

11755 \ifAM@output
11756   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
11757   \AM@output{#1}%
11758 \fi
11759 \AM@CheckAtEnd
11760 \endgroup
11761 \AM@ClearShipoutPicture
11762 }

```

7.86 pgf-xetex-bidi.def

```

11763 \ProvidesFile{pgf-xetex-bidi.def}[2012/07/08 v0.4 bidi adaptations for pgf package for XeTeX]
11764 \let\origin@pgfpicture=\pgfpicture
11765 \let\origin@endpgfpicture=\endpgfpicture
11766 \def\pgfpicture{\ifmmode\else\LTR\beginL\fi\origin@pgfpicture}
11767 \def\endpgfpicture{\origin@endpgfpicture\ifmmode\else\endL\endLTR\fi}%

```

7.87 picinpar-xetex-bidi.def

```

11768 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
11769 \long\def\@makewincaption#1#2{%
11770   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
11771   \ifdim\wd\@tempboxa>\picwd
11772     {\footnotesize{\bf #1:\enspace}{#2\par}}
11773   \else
11774     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
11775   \fi}
11776 \def\endwindow{%
11777   \global\tcd=\tcdsav
11778   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
11779   \vbadness=10000
11780   \splittopskip=0pt
11781 %
11782 % Typeset the lines above the window
11783 %
11784 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
11785 \tcn=\tcd
11786 \loop\advance\tcn -1
11787 \setbox\fslice=\vsplit\holder to\baselineskip
11788 \prune\fslice\linewidth
11789 \topheight=0pt
11790 \ifnum\dp\fslice>\dp\wstrutbox
11791   \advance\topheight-\dp\fslice
11792   \advance\topheight\dp\wstrutbox
11793   \advance\topheight\ilg\fi
11794 \hbox to\linewidth{\box\fslice}
11795 \vskip-\topheight
11796 \ifdim\ht\holder>0pt\repeat
11797 \fi
11798 %
11799 % Now we build the boxes beside the window

```

```

11800 %
11801 \global\topheight=\tcl\baselineskip
11802 \ifnum\cumpartcl>0\global\tcl=\cumtcl
11803     \global\topheight=\vpic
11804 \fi
11805 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
11806 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
11807 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
11808 \tcn=\tcl \na=0 \nb=0
11809 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
11810 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
11811 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
11812 \ifnum\na=0\ifnum\nb=0
11813     \setbox\waslice=\vbox to\vpic{\vss}
11814     \setbox\wbslice=\vbox to\vpic{\vss}
11815     \bl=1\br=1
11816     \vskip\ilg
11817 \fi\fi
11818 %
11819 % both sides
11820 %
11821 \ifnum\na>0 \ifnum\nb>0
11822 \loop\advance\nb -1
11823 \advance\na -1
11824 \if@RTL%
11825 \setbox\bslice=\vsplit\holder to\baselineskip
11826 \prune\bslice\rtside
11827 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
11828 to\rtside{\box\bslice\hfil}}
11829 \setbox\aslice=\vsplit\holder to\baselineskip
11830 \prune\aslice\lftside
11831 \setbox\waslice=\vbox{\unvbox\waslice\hbox
11832 to\lftside{\box\aslice\hfil}}
11833 \else%
11834 \setbox\aslice=\vsplit\holder to\baselineskip
11835 \prune\aslice\lftside
11836 \setbox\waslice=\vbox{\unvbox\waslice\hbox
11837 to\lftside{\box\aslice\hfil}}
11838 \setbox\bslice=\vsplit\holder to\baselineskip
11839 \prune\bslice\rtside
11840 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
11841 to\rtside{\box\bslice\hfil}}
11842 \fi%
11843 \ifnum\nb>0\repeat
11844 \fi\fi
11845 %
11846 % only text on the left side
11847 %
11848 \ifnum\na>0
11849     \loop\advance\na -1

```

```

11850 \setbox\aslice=\vsplit\holder to\baselineskip
11851 \prune\aslice\lftside
11852 \setbox\waslice=\vbox{\unvbox\waslice\hbox
11853 to\lftside{\box\aslice\hfil}}
11854 \ifdim\ht\holder>0pt\repeat
11855 \fi
11856 %
11857 % only text on the right side
11858 %
11859 \ifnum\nb>0
11860 \loop\advance\nb -1
11861 \setbox\bslice=\vsplit\holder to\baselineskip
11862 \prune\bslice\rtside
11863 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
11864 to\rtside{\box\bslice\hfil}}
11865 \ifdim\ht\holder>0pt\repeat
11866 \fi
11867 %
11868 % fixing the dimensions of the window part
11869 %
11870 \ifnum\bl=0\topheight=\ht\wbslice
11871 \else\ifnum\br=0\topheight=\ht\waslice
11872 \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
11873 \else\topheight=\ht\wbslice\fi\fi\fi
11874 %
11875 % ship out the window material to the main vertical list
11876 %
11877 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
11878 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
11879 \fi\fi\fi
11880 \setbox>windowbox=\vbox{\hbox to\linewidth{%
11881 \ifnum\bl>0\box\waslice\hfill\fi%
11882 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
11883 \vfill\unvbox\picbox%
11884 \ifnum\picwd>0\vfill\fi%
11885 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
11886 \unvbox>windowbox%
11887 \loop
11888 \setbox\bslice=\vsplit\rawtext to\baselineskip
11889 \prune\bslice\linewidth
11890 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
11891 \unvbox\wbslice
11892 \ifdim\ht\rawtext>0pt
11893 \repeat
11894 }% FINITO

```

7.88 plain-xetex-bidi.def

```

11895 \def\TeXXeTOn{\TeXXeTstate=1 }
11896 \def\TeXXeTOff{\TeXXeTstate=0 }

```



```

11897 \TeXeTOn
11898 \def\usebox#1{\leavevmode\copy #1\relax}
11899 \def\bid@RTL@everypar{\if@RTL{\setbox\z@ \lastbox\beginR\ifvoid\z@\else\usebox\z@\fi}\fi}
11900 \let\bid@o@everypar=\everypar
11901 \newtoks\bid@n@everypar
11902 \bid@n@everypar\expandafter{\the\bid@o@everypar}
11903 \bid@o@everypar{\bid@RTL@everypar\the\bid@n@everypar}
11904 \let\everypar=\bid@n@everypar
11905 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
11906 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
11907 \protected\def\hboxR{\hbox\bgroup
11908 \everyhbox{%
11909 \aftergroup\egroup
11910 \everyhbox{}}%
11911 \beginR
11912 \bgroup
11913 \aftergroup\endR
11914 \aftergroup\egroup
11915 }\hbox}
11916 \protected\def\hboxL{\hbox\bgroup
11917 \everyhbox{%
11918 \aftergroup\egroup
11919 \everyhbox{}}%
11920 \beginL
11921 \bgroup
11922 \aftergroup\endL
11923 \aftergroup\egroup
11924 }\hbox}
11925 \protected\def\vboxR{\vbox\bgroup
11926 \everyvbox{%
11927 \aftergroup\egroup
11928 \everyvbox{}}%
11929 \@RTLtrue
11930 \bgroup
11931 \aftergroup\egroup
11932 }\vbox}
11933 \protected\def\vboxL{\vbox\bgroup
11934 \everyvbox{%
11935 \aftergroup\egroup
11936 \everyvbox{}}%
11937 \@RTLfalse
11938 \bgroup
11939 \aftergroup\egroup
11940 }\vbox}
11941 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
11942 \def\endLTR{\par}
11943 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
11944 \def\endRTL{\par}
11945 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
11946 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}

```

```

11947 \let\unsetRTL=\setLTR
11948 \let\unsetLTR=\setRTL
11949 \let\LR=\LRE
11950 \let\RL=\RLE
11951 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
11952 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
11953 \let\@ensure@RL=\@ensure@RTL
11954 \let\@ensure@LR=\@ensure@LTR
11955 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
11956 \let\@ensure@maindir=\@ensure@dir
11957 \def\@RTL{RTL}
11958 \def\@LTR{LTR}
11959 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
11960 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
11961 \let\@TeX\TeX
11962 \def\TeX{\@ensure@LTR{\@TeX}}
11963 \long\def\@bidi@reflect@box#1{%
11964   \leavevmode
11965   \setbox\z@\hbox{#1}%
11966   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
11967   \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
11968 }
11969 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
11970   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
11971 \let\setRL=\setRTL
11972 \let\setLR=\setLTR
11973 \let\unsetRL=\setLTR
11974 \let\@bidi@saved@eqno=\eqno
11975 \let\@bidi@saved@leqno=\leqno
11976 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
11977 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
11978 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
11979 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
11980 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

7.89 pstricks-xetex-bidi.def

```

11981 \ProvidesFile{pstricks-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for pstricks package]
11982 \let\origin@pspicture=\pspicture
11983 \let\origin@endpspicture=\endpspicture
11984 \def\pspicture{\ifmmode\else\LTR\beginL\fi\origin@pspicture}
11985 \def\endpspicture{\origin@endpspicture\ifmmode\else\endL\endLTR\fi}

```

7.90 quotchap-xetex-bidi.def

```

11986 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
11987 \renewcommand{\qauthor}[1]{%
11988   \par\smallskip
11989   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qquad\hbox{}\par}\bigskip}
11990 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
11991   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi

```

```

11992      {\chapnumfont
11993        \ifnum \c@secnumdepth >\m@ne%
11994          \if@mainmatter\thechapter%
11995          \fi\fi
11996          \par\nobreak}%
11997      {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10pt
11998      \nobreak\chapterheadendvskip}}
11999 \renewcommand*{\@iprintcites}{%
12000   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
12001   \global\let\@printcites\relax}

```

7.91 ragged2e-xetex-bidi.def

```

12002 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package]
12003 \renewcommand{\Centering}{%
12004   \ifx\\ \@raggedtwoe@savedcr
12005     \let\\ \@centercr
12006   \fi
12007   \let\@gnewline\@raggedtwoe@gnewline
12008   \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
12009   \@rightskip\CenteringRightskip
12010   \if@RTL\leftskip\else\rightskip\fi\@rightskip
12011   \parfillskip\CenteringParfillskip
12012   \parindent\CenteringParindent
12013   \@raggedtwoe@spaceskiptrue
12014   \@raggedtwoe@everyselectfont
12015 }
12016 \renewcommand{\RaggedLeft}{%
12017   \ifx\\ \@raggedtwoe@savedcr
12018     \let\\ \@centercr
12019   \fi
12020   \let\@gnewline\@raggedtwoe@gnewline
12021   \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
12022   \@rightskip\RaggedLeftRightskip
12023   \if@RTL\leftskip\else\rightskip\fi\@rightskip
12024   \parfillskip\RaggedLeftParfillskip
12025   \parindent\RaggedLeftParindent
12026   \@raggedtwoe@spaceskiptrue
12027   \@raggedtwoe@everyselectfont
12028 }
12029 \renewcommand{\RaggedRight}{%
12030   \ifx\\ \@raggedtwoe@savedcr
12031     \let\\ \@centercr
12032   \fi
12033   \let\@gnewline\@raggedtwoe@gnewline
12034   \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
12035   \@rightskip\RaggedRightRightskip
12036   \if@RTL\leftskip\else\rightskip\fi\@rightskip
12037   \parfillskip\RaggedRightParfillskip
12038   \parindent\RaggedRightParindent

```

```

12039 \@raggedtwoe@spaceskiptrue
12040 \@raggedtwoe@everyselectfont
12041 }
12042 \renewcommand{\justifying}{%
12043 \let\\\@raggedtwoe@savedcr
12044 \let\@gnewline\@raggedtwoe@saved@gnewline
12045 \if@RTL\rightskip\else\leftskip\fi\z@
12046 \@rightskip\z@
12047 \if@RTL\leftskip\else\rightskip\fi\@rightskip
12048 \parfillskip\JustifyingParfillskip
12049 \parindent\JustifyingParindent
12050 \@raggedtwoe@spaceskipfalse
12051 \@raggedtwoe@everyselectfont
12052 }
12053 \renewcommand*{\@raggedtwoe@raggedrightboxes@opt}{
12054 \CheckCommand*{\@arrayparboxrestore}{%
12055 \let\if@nobreak\iffalse
12056 \let\if@noskipsec\iffalse
12057 \let\par\@par
12058 \let\-\@dischyph
12059 \let'\@acci\let'\@accii\let\=\@acciii
12060 \parindent\z@ \parskip\z@skip
12061 \everypar{}%
12062 \linewidth\hsize
12063 \@totalleftmargin\z@
12064 \if@RTL\rightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@rightskip\z@skip
12065 \parfillskip\@flushglue \lineskip\normallineskip
12066 \baselineskip\normalbaselineskip
12067 \sloppy}%
12068 \renewcommand{\@arrayparboxrestore}{%
12069 \let\if@nobreak\iffalse
12070 \let\if@noskipsec\iffalse
12071 \let\par\@par
12072 \let\-\@dischyph
12073 \let'\@acci\let'\@accii\let\=\@acciii
12074 \parskip\z@skip
12075 \everypar{}%
12076 \linewidth\hsize
12077 \@totalleftmargin\z@
12078 \RaggedRight
12079 \lineskip\normallineskip
12080 \baselineskip\normalbaselineskip
12081 \sloppy}%
12082 \let\@raggedtwoe@raggedrightboxes@opt\relax
12083 }
12084 \let\origin@RaggedLeft=\RaggedLeft
12085 \let\origin@RaggedRight=\RaggedRight
12086 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
12087 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

7.92 rapport1-xetex-bidi.def

```

12088 \ProvidesFile{rapport1-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for rapport1 class fo
12089 \renewenvironment{theindex}{%
12090   \if@twocolumn
12091     \@restonecolfalse
12092   \else
12093     \@restonecoltrue
12094   \fi
12095   \columnseprule \z@
12096   \columnsep 35\p@
12097   \twocolumn[\@makeschapterhead{\indexname}]{%
12098     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
12099     \thispagestyle{plain}\parindent\z@
12100     \parskip\z@ \@plus .3\p@\relax
12101     \let\item\@idxitem
12102   }{%
12103     \if@restonecol\onecolumn\else\clearpage\fi}
12104 \renewcommand*{\head@style}{%
12105   \interlinepenalty \@M
12106   \hyphenpenalty=\@M \exhyphenpenalty=\@M
12107   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
12108 \if@titlepage
12109   \renewenvironment{abstract}{%
12110     \titlepage
12111     \null\vfil
12112     \section*{\SectFont\abstractname}%
12113     \noindent\ignorespaces}
12114   {\par\vfil\null\endtitlepage}
12115 \else
12116   \renewenvironment{abstract}{%
12117     \if@twocolumn
12118       \section*{\abstractname}%
12119     \else
12120       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
12121       \section*{\small\SectFont\abstractname}%
12122       \noindent\ignorespaces
12123     \fi}
12124   {\if@twocolumn\else\par\egroup\fi}
12125 \fi
12126 \renewcommand*{\regtocline}[3]{%
12127   \ifnum #1>\c@tocdepth
12128   \else
12129     \vskip\z@\@plus.2\p@
12130     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
12131     \if@RTL\rightskip\else\leftskip\fi\unitindent
12132     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
12133     \parfillskip\z@
12134     \@tempdima\unitindent
12135     \parindent\z@

```

```

12136     \leavevmode
12137     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
12138     \hskip 1em \nobreak{\slshape #3}\par
12139     }%
12140   \fi}
12141 \if@oldtoc
12142 \renewcommand*\l@part[2]{%
12143   \ifnum \c@tocdepth >-2\relax
12144     \addpenalty{-\@highpenalty}%
12145     \addvspace{2.25em \@plus\p@}%
12146     \begingroup
12147       \setlength\@tempdima{3em}%
12148       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12149       \parfillskip -\@pnumwidth
12150       {\leavevmode
12151         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
12152         \nobreak
12153         \global\@nobreaktrue
12154         \everypar{\global\@nobreakfalse\everypar{}}%
12155       \endgroup
12156     \fi}
12157 \else
12158   \renewcommand*\l@part{%
12159     \ifnum \c@tocdepth >-2\relax
12160       \addpenalty{-\@highpenalty}%
12161       \addvspace{2.25em \@plus \p@}%
12162       \@regtocline{0}%
12163     \fi}
12164 \fi
12165 \if@oldtoc
12166 \renewcommand*\l@chapter[2]{%
12167   \addpenalty{-\@highpenalty}%
12168   \vskip 1.0em \@plus\p@
12169   \setlength\@tempdima{1.5em}%
12170   \begingroup
12171     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12172     \parfillskip -\@pnumwidth
12173     \leavevmode \bfseries
12174     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
12175     \hskip -\if@RTL\rightskip\else\leftskip\fi
12176     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
12177     \penalty\@highpenalty
12178   \endgroup}
12179 \else
12180   \renewcommand*\l@chapter{\@regtocline{0}}
12181 \fi
12182 \renewcommand*\left@footnoterule{%
12183   \kern-3\p@
12184   \kern.5\baselineskip
12185   \hrule\@width\unitindent

```

```

12186 \kern.4\baselineskip
12187 }
12188 \renewcommand*\right@footnoterule{%
12189 \hbox to \columnwidth
12190 {\beginR \vbox{%
12191 \kern-3\p@
12192 \kern.5\baselineskip
12193 \hrule\@width\unitindent
12194 \kern.4\baselineskip}\hfil\endR}
12195 }
12196 \renewenvironment{thebibliography}[1]
12197 {\chapter*\bibname}%
12198 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
12199 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
12200 \list{\@biblabel{\@arabic\c@enumiv}}%
12201 {\settowidth\labelwidth{\@biblabel{#1}}%
12202 \leftmargin\labelwidth
12203 \advance\leftmargin\labelsep
12204 \@openbib@code
12205 \usecounter{enumiv}%
12206 \let\p@enumiv\@empty
12207 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
12208 \sloppy\clubpenalty4000\widowpenalty4000%
12209 \sfcode'\. \@m}
12210 {\def\@noitemerr
12211 {\@latex@warning{Empty 'thebibliography' environment}}%
12212 \endlist}
12213 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
12214 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
12215 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
12216 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
12217 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
12218 \renewcommand*\theequation{%
12219 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
12220 \renewcommand*\thefigure{%
12221 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
12222 \renewcommand*\thetable{%
12223 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
12224 \if@titlepage
12225 \renewcommand*\TitleFont{\rmfamily}
12226 \renewcommand*\maketitle{%
12227 \begin{titlepage}%
12228 \let\footnotesize\small
12229 \let\right@footnoterule\relax
12230 \let\left@footnoterule\relax
12231 \let\textwidth\footnoterule\relax
12232 \let \footnote \thanks
12233 \long\def\@makefnmark##1{\parindent\z@
12234 \def\labelitemi{\textendash}\@revlabeltrue
12235 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}

```

```

12236 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
12237 \if@compatibility\setcounter{page}{0}\fi
12238 \null\vfil
12239 \vskip 60\p@
12240 \begin{center}%
12241 \TitleFont
12242 {\LARGE \def\{\penalty -\@M}
12243 \if@allcaps
12244 \expandafter\uc@nothanks\@title\thanks\relax
12245 \else
12246 \@title
12247 \fi\par}%
12248 \vskip 3em%
12249 {\large
12250 \lineskip .75em \parindent\z@
12251 \begin{tabular}[t]{c}%
12252 \if@allcaps
12253 \expandafter\uc@authornothanks\@author\and\relax
12254 \else
12255 \@author
12256 \fi
12257 \end{tabular}\par}%
12258 \vskip 1.5em%
12259 {\large
12260 \if@allcaps
12261 \uppercase\expandafter{\@date}%
12262 \else
12263 \@date
12264 \fi\par}%
12265 \end{center}\par
12266 \@thanks
12267 \vfil\null
12268 \end{titlepage}%
12269 \setcounter{footnote}{0}%
12270 \global\let\thanks\relax
12271 \global\let\maketitle\relax
12272 \global\let\@thanks\@empty
12273 \global\let\@author\@empty
12274 \global\let\@title\@empty
12275 \global\let\@date\@empty
12276 \global\let\title\relax
12277 \global\let\author\relax
12278 \global\let\date\relax
12279 \global\let\and\relax
12280 }
12281 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
12282 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
12283 \futurelet\@tempa\uc@ax}
12284 \def\uc@ax{%
12285 \ifx\@tempa\relax

```



```

12286 \else
12287   \ \andname \ \expandafter\uc@authornothanks
12288 \fi}
12289 \def\uc@tx{\ifx\@tempa\relax
12290   \else \expandafter\uc@ty \fi}
12291 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
12292 \else
12293 \renewcommand*\maketitle{\par
12294   \begin{group}
12295     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
12296     \def\@makefnmark{\rlap{%
12297       \@textsuperscript{\normalfont\@thefnmark}}}%
12298     \long\def\@makefntext{\@xmakefntext{%
12299       \@textsuperscript{\normalfont\@thefnmark}}}%
12300     \if@twocolumn
12301       \ifnum \col@number=\@ne
12302         \@maketitle
12303       \else
12304         \twocolumn[\@maketitle]%
12305       \fi
12306     \else
12307       \newpage
12308       \global\@topnum\z@
12309       \@maketitle
12310     \fi
12311     \thispagestyle{plain}\@thanks
12312   \end{group}
12313   \setcounter{footnote}{0}%
12314   \global\let\thanks\relax
12315   \global\let\maketitle\relax
12316   \global\let\@maketitle\relax
12317   \global\let\@thanks\@empty
12318   \global\let\@author\@empty
12319   \global\let\@title\@empty
12320   \global\let\@date\@empty
12321   \global\let\title\relax
12322   \global\let\author\relax
12323   \global\let\date\relax
12324   \global\let\and\relax
12325 }
12326 \def\@maketitle{%
12327   \newpage
12328   \null
12329   \vskip 2em%
12330   \begin{center}%
12331     \let \footnote \thanks
12332     {\LARGE \TitleFont \@title \par}%
12333     \vskip 1.5em%
12334     {\large \TitleFont
12335       \lineskip .5em%

```

```

12336     \begin{tabular}[t]{c}%
12337         \@author
12338     \end{tabular}\par}%
12339     \vskip 1em%
12340     {\large \TitleFont \@date}%
12341 \end{center}%
12342 \par
12343 \vskip 1.5em}
12344 \fi

```

7.93 rapport3-xetex-bidi.def

```

12345 \ProvidesFile{rapport3-xetex-bidi.def}[2011/08/26 v0.4 bidi adaptations for rapport3 class fo
12346 \renewenvironment{theindex}{%
12347     \if@twocolumn
12348         \@restonecolfalse
12349     \else
12350         \@restonecoltrue
12351     \fi
12352     \columnseprule \z@
12353     \columnsep 35\p@
12354     \twocolumn[\@makeschapterhead{\indexname}]{%
12355         \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
12356     \thispagestyle{plain}\parindent\z@
12357     \parskip\z@ \@plus .3\p@\relax
12358     \let\item\@idxitem
12359     }{%
12360     \if@restonecol\onecolumn\else\clearpage\fi}
12361 \if@titlepage
12362 \renewcommand*\TitleFont{\rmfamily}
12363 \renewcommand*\maketitle{%
12364     \begin{titlepage}%
12365         \let\footnotesize\small
12366         \let\right@footnoterule\relax
12367         \let\left@footnoterule\relax
12368         \let\textwidth\footnoterule\relax
12369         \let \footnote \thanks
12370         \let \LTRfootnote \LTRthanks
12371         \let \RTLfootnote \RTLthanks
12372         \long\def\@makefntext##1{\parindent\z@
12373             \def\labelitemi{\textendash}\@revlabeltrue
12374             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
12375         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
12376         \if@compatibility\setcounter{page}{0}\fi
12377         \null\vfil
12378         \vskip 60\p@
12379     \begin{center}%
12380         \TitleFont
12381         {\LARGE \def\\{\penalty -\@M}
12382         \if@allcaps

```

```

12383         \expandafter\uc@nothanks\@title\thanks\relax
12384     \else
12385         \@title
12386     \fi\par}%
12387 \vskip 3em%
12388 {\large
12389 \lineskip .75em \parindent\z@
12390 \begin{tabular}[t]{c}%
12391     \if@allcaps
12392         \expandafter\uc@authornothanks\@author\and\relax
12393     \else
12394         \@author
12395     \fi
12396 \end{tabular}\par}%
12397 \vskip 1.5em%
12398 {\large
12399     \if@allcaps
12400         \uppercase\expandafter{\@date}%
12401     \else
12402         \@date
12403     \fi\par}%
12404 \end{center}\par
12405 \@thanks
12406 \vfil\null
12407 \end{titlepage}%
12408 \setcounter{footnote}{0}%
12409 \global\let\thanks\relax
12410 \global\let\LTRthanks\relax
12411 \global\let\RTLthanks\relax
12412 \global\let\maketitle\relax
12413 \global\let\@thanks\@empty
12414 \global\let\@author\@empty
12415 \global\let\@title\@empty
12416 \global\let\@date\@empty
12417 \global\let\title\relax
12418 \global\let\author\relax
12419 \global\let\date\relax
12420 \global\let\and\relax
12421 }
12422 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
12423 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
12424     \futurelet\@tempa\uc@ax}
12425 \def\uc@ax{%
12426     \ifx\@tempa\relax
12427     \else
12428         \\\andname \\\expandafter\uc@authornothanks
12429     \fi}
12430 \def\uc@tx{\ifx\@tempa\relax
12431     \else \expandafter\uc@ty \fi}
12432 \def\uc@ty#1{\thanks{#1}\uc@nothanks}

```

```

12433 \else
12434 \renewcommand*\maketitle{\par
12435   \begingroup
12436     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
12437     \def\@makefnmark{\rlap{%
12438       \@textsuperscript{\normalfont\@thefnmark}}}%
12439     \long\def\@makefntext{\@xmakefntext{%
12440       \@textsuperscript{\normalfont\@thefnmark}}}%
12441     \if@twocolumn
12442       \ifnum \col@number=\@ne
12443         \@maketitle
12444       \else
12445         \twocolumn[\@maketitle]%
12446       \fi
12447     \else
12448       \newpage
12449       \global\@topnum\z@
12450       \@maketitle
12451     \fi
12452     \thispagestyle{plain}\@thanks
12453   \endgroup
12454   \setcounter{footnote}{0}%
12455   \global\let\thanks\relax
12456   \global\let\LTRthanks\relax
12457   \global\let\RTLthanks\relax
12458   \global\let\maketitle\relax
12459   \global\let\@maketitle\relax
12460   \global\let\@thanks\@empty
12461   \global\let\@author\@empty
12462   \global\let\@title\@empty
12463   \global\let\@date\@empty
12464   \global\let\title\relax
12465   \global\let\author\relax
12466   \global\let\date\relax
12467   \global\let\and\relax
12468 }
12469 \def\@maketitle{%
12470   \newpage
12471   \null
12472   \vskip 2em%
12473   \if@titlecentered
12474     \begin{center}%
12475       \let \footnote \thanks
12476       \let \LTRfootnote \LTRthanks
12477       \let \RTLfootnote \RTLthanks
12478       {\LARGE \TitleFont \@title \par}%
12479       \vskip 1.5em%
12480       {\large \TitleFont
12481         \lineskip .5em%
12482         \begin{tabular}[t]{c}%

```

```

12483         \@author
12484         \end{tabular}\par}%
12485     \vskip 1em%
12486     {\large \TitleFont \@date}%
12487 \end{center}%
12488 \else
12489     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
12490     {\large \TitleFont \lineskip .5em \tabcolsep\z@
12491         \def\and{%% \begin{tabular} has already started
12492             \end{tabular}\hskip 1em plus .17fil
12493             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
12494             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\p
12495     \vskip 1em {\large \TitleFont \@date}
12496 \fi
12497 \par
12498 \vskip 1.5em}
12499 \fi
12500 \renewcommand*\@regtocline[3]{%
12501     \ifnum #1>\c@tocdepth
12502     \else
12503         \vskip\z@\@plus.2\p@
12504         {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
12505             \if@RTL\righskip\else\leftskip\fi\unitindent
12506             \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
12507             \parfillskip\z@
12508             \@tempdima\unitindent
12509             \parindent\z@
12510             \leavevmode
12511             \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
12512             \hskip 1em \nobreak{\slshape #3}\par
12513         }%
12514     \fi}
12515 \if@oldtoc
12516 \renewcommand*\l@part[2]{%
12517     \ifnum \c@tocdepth >-2\relax
12518         \addpenalty{-\@highpenalty}%
12519         \addvspace{2.25em \@plus\p@}%
12520         \begingroup
12521             \setlength\@tempdima{3em}%
12522             \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
12523             \parfillskip -\@pnumwidth
12524             {\leavevmode
12525                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
12526             \nobreak
12527             \global\@nobreaktrue
12528             \everypar{\global\@nobreakfalse\everypar{}}%
12529         \endgroup
12530     \fi}
12531 \else
12532     \renewcommand*\l@part{%

```

```

12533     \ifnum \c@tocdepth >-2\relax
12534     \addpenalty{-\@highpenalty}%
12535     \addvspace{2.25em \@plus \p@}%
12536     \@regtocline{0}%
12537     \fi}
12538 \fi
12539 \if@oldtoc
12540 \renewcommand*\l@chapter[2]{%
12541     \addpenalty{-\@highpenalty}%
12542     \vskip 1.0em \@plus\p@
12543     \setlength\@tempdima{1.5em}%
12544     \begingroup
12545     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12546     \parfillskip -\@pnumwidth
12547     \leavevmode \bfseries
12548     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
12549     \hskip -\if@RTL\rightskip\else\leftskip\fi
12550     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
12551     \penalty\@highpenalty
12552     \endgroup}
12553 \else
12554     \renewcommand*\l@chapter{\@regtocline{0}}
12555 \fi
12556 \renewcommand*\head@style{%
12557     \interlinepenalty \@M
12558     \hyphenpenalty=\@M \exhyphenpenalty=\@M
12559     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
12560 \if@titlepage
12561     \renewenvironment{abstract}{%
12562         \titlepage
12563         \null\vfil
12564         \section*{\SectFont\abstractname}%
12565         \noindent\ignorespaces}
12566     {\par\vfil\null\endtitlepage}
12567 \else
12568     \renewenvironment{abstract}{%
12569         \if@twocolumn
12570             \section*{\abstractname}%
12571         \else
12572             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
12573             \section*{\small\SectFont\abstractname}%
12574             \noindent\ignorespaces
12575         \fi}
12576     {\if@twocolumn\else\par\egroup\fi}
12577 \fi
12578 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
12579 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
12580 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
12581 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
12582 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}

```

```

12583 \renewcommand*\thefigure{%
12584   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
12585 \renewcommand*\thetable{%
12586   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
12587 \renewcommand*\theequation{%
12588   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
12589 \renewenvironment{thebibliography}[1]
12590   {\chapter*\bibname}%
12591   \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
12592   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
12593   \list{\biblabel{\@arabic\c@enumiv}}%
12594     {\settowidth\labelwidth{\biblabel{#1}}%
12595     \leftmargin\labelwidth
12596     \advance\leftmargin\labelsep
12597     \@openbib@code
12598     \usecounter{enumiv}%
12599     \let\p@enumiv\@empty
12600     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
12601   \sloppy\clubpenalty4000\widowpenalty4000%
12602   \sfcode'\. \@m}
12603   {\def\@noitemerr
12604     {\@latex@warning{Empty 'thebibliography' environment}}%
12605     \endlist}
12606 \renewcommand*\left@footnoterule{%
12607   \kern-3\p@
12608   \kern.5\baselineskip
12609   \hrule\@width\unitindent
12610   \kern.4\baselineskip
12611 }
12612 \renewcommand*\right@footnoterule{%
12613   \hbox to \columnwidth
12614   {\beginR \vbox{%
12615     \kern-3\p@
12616     \kern.5\baselineskip
12617     \hrule\@width\unitindent
12618     \kern.4\baselineskip}\hfil\endR}
12619 }
12620 \renewcommand*\head@style{%
12621   \interlinepenalty \@M
12622   \hyphenpenalty=\@M \exhyphenpenalty=\@M
12623   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

7.94 refrep-xetex-bidi.def

```

12624 \ProvidesFile{refrep-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for refrep class for Xe
12625 \if@titlepage
12626   \renewcommand\maketitle{\begin{titlepage}%
12627     \let\footnotesize\small
12628     \let\right@footnoterule\relax
12629     \let\left@footnoterule\relax

```

```

12630 \let\textwidth@footnoterule\relax
12631 \let\footnote\thanks
12632 \let\LTRfootnote\LTRthanks
12633 \let\RTLfootnote\RTLthanks
12634 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
12635 \def\@makefnmark%
12636     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
12637 \long\def\@makefntext##1{%
12638     \setpar{\@par
12639         \@tempdima = \hsize
12640         \advance\@tempdima -1em
12641         \parshape \@ne 1em \@tempdima}%
12642     \par\parindent 1em \noindent
12643     \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
12644 \null\vfil
12645 \vskip 60\p@
12646 \begin{center}%
12647     {\LARGE \@title \par}%
12648     \vskip 3em%
12649     {\large
12650         \lineskip .75em%
12651         \begin{tabular}[t]{c}%
12652             \@author
12653             \end{tabular}\par}%
12654     \vskip 1.5em%
12655     {\large \@date \par}%           % Set date in \large size.
12656 \end{center}\par
12657 \@thanks
12658 \vfil\null
12659 \end{titlepage}%
12660 \setcounter{footnote}{0}%
12661 \global\let\thanks\relax
12662 \global\let\LTRthanks\relax
12663 \global\let\RTLthanks\relax
12664 \global\let\maketitle\relax
12665 \global\let\@thanks\@empty
12666 \global\let\@author\@empty
12667 \global\let\@date\@empty
12668 \global\let\@title\@empty
12669 \global\let\title\relax
12670 \global\let\author\relax
12671 \global\let\date\relax
12672 \global\let\and\relax
12673 }
12674 \else
12675 \renewcommand\maketitle{\par
12676     \begingroup
12677     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
12678     \def\@makefnmark%
12679         {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%

```



```

12680 \long\def\@makefn-text##1{%
12681 \setpar{\@par
12682 \tempdima = \hsize
12683 \advance\tempdima -1em
12684 \parshape \one 1em \tempdima}%
12685 \par\parindent 1em \noindent
12686 \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
12687 \if@twocolumn
12688 \ifnum \col@number=\@ne
12689 \maketitle
12690 \else
12691 \twocolumn[\maketitle]%
12692 \fi
12693 \else
12694 \newpage
12695 \global\@topnum\z@ % Prevents figures from going at top of page.
12696 \maketitle
12697 \fi
12698 \thispagestyle{empty}\@thanks
12699 \endgroup
12700 \setcounter{footnote}{0}%
12701 \global\let\thanks\relax
12702 \global\let\LTRthanks\relax
12703 \global\let\RTLthanks\relax
12704 \global\let\maketitle\relax
12705 \global\let\@maketitle\relax
12706 \global\let\@thanks\empty
12707 \global\let\@author\empty
12708 \global\let\@date\empty
12709 \global\let\@title\empty
12710 \global\let\title\relax
12711 \global\let\author\relax
12712 \global\let\date\relax
12713 \global\let\and\relax
12714 }
12715 \def\@maketitle{%
12716 \newpage
12717 \null
12718 \longthickrule\vskip1.5em%
12719 \let \footnote \thanks
12720 \let \LTRfootnote \LTRthanks
12721 \let \RTLfootnote \RTLthanks
12722 {\secshape \parskip\z@ \parindent\z@
12723 \Large\bfseries \@title \par}%
12724 \vskip1.5em\longthickrule\vskip1.5em%
12725 {\normalsize
12726 \lineskip .5em%
12727 \begin{flushright}%
12728 {\slshape\@author\par}
12729 \vskip 1em%

```

```

12730         {\@date}%
12731         \end{flushright}\par}%
12732         \vskip 1.5em}
12733 \fi
12734 \renewcommand*\l@part[2]{%
12735   \ifnum \c@tocdepth >-2\relax
12736     \addpenalty{-\@highpenalty}%
12737     \addvspace{2.25em \@plus\p@}%
12738     \begingroup
12739       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12740       \parfillskip -\@pnumwidth
12741       {\leavevmode
12742         \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
12743       \nobreak
12744       \global\@nobreaktrue
12745       \everypar{\global\@nobreakfalse\everypar{}}%
12746     \endgroup
12747   \fi}
12748 \renewcommand*\l@chapter[2]{%
12749   \ifnum \c@tocdepth >\m@ne
12750     \addpenalty{-\@highpenalty}%
12751     \vskip 1.0em \@plus\p@
12752     \setlength\@tempdima{1.5em}%
12753     \begingroup
12754       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12755       \parfillskip -\@pnumwidth
12756       \leavevmode \bfseries
12757       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
12758       \hskip -\if@RTL\rightskip\else\leftskip\fi
12759       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
12760       \penalty\@highpenalty
12761     \endgroup
12762   \fi}
12763 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
12764   \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
12765   \hyphenpenalty=2000}
12766 \renewcommand\left@footnoterule{%
12767   \kern-3\p@
12768   \hrule\@width.4\columnwidth
12769   \kern 2.6\p@}
12770 \renewcommand\right@footnoterule{%
12771   \hbox to \columnwidth
12772   {\beginR \vbox{%
12773     \kern-3\p@
12774     \hrule\@width.4\columnwidth
12775     \kern 2.6\p@}\hfil\endR}}
12776 \renewcommand\theequation
12777 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
12778 \renewcommand\thefigure
12779 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}

```

```

12780 \renewcommand\thetable%
12781     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
12782 \renewcommand\thesection     {\thechapter\@SepMark\@arabic\c@section}
12783 \renewcommand\thesubsection  {\thesection\@SepMark\@arabic\c@subsection}
12784 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
12785 \renewcommand\theparagraph   {\thesubsubsection\@SepMark\@arabic\c@paragraph}
12786 \renewcommand\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
12787 \renewenvironment{thebibliography}[1]
12788     {\chapter*{\bibname
12789         \@mkboth{\bibname}{\bibname}}%
12790         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12791         \list{\@biblabel{\@arabic\c@enumiv}}%
12792             {\settowidth\labelwidth{\@biblabel{#1}}%
12793              \leftmargin\labelwidth
12794              \advance\leftmargin\labelsep
12795              \@openbib@code
12796              \usecounter{enumiv}%
12797              \let\p@enumiv\@empty
12798              \renewcommand\theenumiv{\@arabic\c@enumiv}}%
12799              \sloppy
12800              \clubpenalty4000
12801              \@clubpenalty \clubpenalty
12802              \widowpenalty4000%
12803              \sfcode'\@m}
12804     {\def\@noitemerr
12805         {\@latex@warning{Empty 'thebibliography' environment}}%
12806         \endlist}

```

7.95 report-xetex-bidi.def

```

12807 \ProvidesFile{report-xetex-bidi.def}[2011/08/26 v0.6 bidi adaptations for standard report cla
12808 \renewenvironment{theindex}
12809     {\if@twocolumn
12810         \@restonecolfalse
12811         \else
12812             \@restonecoltrue
12813         \fi
12814         \columnseprule \z@
12815         \columnsep 35\p@
12816         \twocolumn[\@makeschapterhead{\indexname}]%
12817         \@mkboth{\MakeUppercase\indexname}%
12818                 {\MakeUppercase\indexname}%
12819         \thispagestyle{plain}\parindent\z@
12820         \parskip\z@ \@plus .3\p@\relax
12821         \let\item\@idxitem}
12822     {\if@restonecol\onecolumn\else\clearpage\fi}
12823 \if@titlepage
12824 \renewcommand\maketitle{\begin{titlepage}%
12825 \let\footnotesize\small
12826 \let\right@footnoterule\relax

```

```

12827 \let\left@footnoterule\relax
12828 \let\textwidth@footnoterule\relax
12829 \let \footnote \thanks
12830 \let \LTRfootnote \LTRthanks
12831 \let \RTLfootnote \RTLthanks
12832 \null\vfil
12833 \vskip 60\p@
12834 \begin{center}%
12835   {\LARGE \@title \par}%
12836   \vskip 3em%
12837   {\large
12838     \lineskip .75em%
12839     \begin{tabular}[t]{c}%
12840       \@author
12841     \end{tabular}\par}%
12842     \vskip 1.5em%
12843     {\large \@date \par}%           % Set date in \large size.
12844 \end{center}\par
12845 \@thanks
12846 \vfil\null
12847 \end{titlepage}%
12848 \setcounter{footnote}{0}%
12849 \global\let\thanks\relax
12850 \global\let\LTRthanks\relax
12851 \global\let\RTLthanks\relax
12852 \global\let\maketitle\relax
12853 \global\let\@thanks\@empty
12854 \global\let\@author\@empty
12855 \global\let\@date\@empty
12856 \global\let\@title\@empty
12857 \global\let\title\relax
12858 \global\let\author\relax
12859 \global\let\date\relax
12860 \global\let\and\relax
12861 }
12862 \else
12863 \renewcommand\maketitle{\par
12864   \begingroup
12865     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
12866     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
12867     \long\def\@makefntext##1{\parindent 1em\noindent
12868       \hb@xt@1.8em{%
12869         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
12870     \if@twocolumn
12871       \ifnum \col@number=\@ne
12872         \@maketitle
12873       \else
12874         \twocolumn[\@maketitle]%
12875       \fi
12876     \else

```

```

12877 \newpage
12878 \global\@topnum\z@ % Prevents figures from going at top of page.
12879 \maketitle
12880 \fi
12881 \thispagestyle{plain}\@thanks
12882 \endgroup
12883 \setcounter{footnote}{0}%
12884 \global\let\thanks\relax
12885 \global\let\LTRthanks\relax
12886 \global\let\RTLthanks\relax
12887 \global\let\maketitle\relax
12888 \global\let\@maketitle\relax
12889 \global\let\@thanks\@empty
12890 \global\let\@author\@empty
12891 \global\let\@date\@empty
12892 \global\let\@title\@empty
12893 \global\let\title\relax
12894 \global\let\author\relax
12895 \global\let\date\relax
12896 \global\let\and\relax
12897 }
12898 \def\@maketitle{%
12899 \newpage
12900 \null
12901 \vskip 2em%
12902 \begin{center}%
12903 \let \footnote \thanks
12904 \let \LTRfootnote \LTRthanks
12905 \let \RTLfootnote \RTLthanks
12906 {\LARGE \@title \par}%
12907 \vskip 1.5em%
12908 {\large
12909 \lineskip .5em%
12910 \begin{tabular}[t]{c}%
12911 \@author
12912 \end{tabular}\par}%
12913 \vskip 1em%
12914 {\large \@date}%
12915 \end{center}%
12916 \par
12917 \vskip 1.5em}
12918 \fi
12919 \renewcommand*{\l@part[2]}{%
12920 \ifnum \c@tocdepth >-2\relax
12921 \addpenalty{-\@highpenalty}%
12922 \addvspace{2.25em \@plus\p@}%
12923 \setlength\@tempdima{3em}%
12924 \begingroup
12925 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12926 \parfillskip -\@pnumwidth

```

```

12927     {\leavevmode
12928       \large \bfseries #1\hfil \hb@xt@{\pnumwidth{\hss #2}}\par
12929       \nobreak
12930       \global\@nobreaktrue
12931       \everypar{\global\@nobreakfalse\everypar{}}%
12932     \endgroup
12933   \fi}
12934 \renewcommand*{\l@chapter[2]{%
12935   \ifnum \c@tocdepth >\m@ne
12936     \addpenalty{-\@highpenalty}%
12937     \vskip 1.0em \@plus\p@
12938     \setlength{\tempdima}{1.5em}%
12939     \begingroup
12940       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \pnumwidth
12941       \parfillskip -\pnumwidth
12942       \leavevmode \bfseries
12943       \advance\if@RTL\rightskip\else\leftskip\fi\tempdima
12944       \hskip -\if@RTL\rightskip\else\leftskip\fi
12945       #1\nobreak\hfil \nobreak\hb@xt@{\pnumwidth{\hss #2}}\par
12946       \penalty\@highpenalty
12947     \endgroup
12948   \fi}
12949 \renewcommand\left@footnoterule{%
12950   \kern-3\p@
12951   \hrule\@width.4\columnwidth
12952   \kern2.6\p@}
12953 \renewcommand\right@footnoterule{%
12954   \hbox to \columnwidth
12955   {\beginR \vbox{%
12956     \kern-3\p@
12957     \hrule\@width.4\columnwidth
12958     \kern2.6\p@}\hfil\endR}}
12959 \renewcommand\theequation
12960   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
12961 \renewcommand \thefigure
12962   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
12963 \renewcommand \thetable
12964   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
12965 \renewcommand \thechapter {\@arabic\c@chapter}
12966 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
12967 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
12968 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
12969 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
12970 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
12971 \def\@makechapterhead#1{%
12972   \vspace*{50\p@}%
12973   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
12974     \ifnum \c@secnumdepth >\m@ne
12975       \huge\bfseries \chapapp\space \thechapter
12976       \par\nobreak

```

```

12977      \vskip 20\p@
12978      \fi
12979      \interlinepenalty\@M
12980      \Huge \bfseries #1\par\nobreak
12981      \vskip 40\p@
12982    }}
12983 \def\@makeschapterhead#1{%
12984   \vspace*{50\p@}%
12985   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
12986    \normalfont
12987    \interlinepenalty\@M
12988    \Huge \bfseries #1\par\nobreak
12989    \vskip 40\p@
12990   }}
12991 \renewenvironment{thebibliography}[1]
12992   {\chapter*{\bibname}%
12993    \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
12994    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12995    \list{\@biblabel{\@arabic\c@enumiv}}%
12996      {\settowidth\labelwidth{\@biblabel{#1}}%
12997       \leftmargin\labelwidth
12998       \advance\leftmargin\labelsep
12999       \@openbib@code
13000       \usecounter{enumiv}%
13001       \let\p@enumiv\@empty
13002       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
13003   \sloppy
13004   \clubpenalty4000
13005   \@clubpenalty \clubpenalty
13006   \widowpenalty4000%
13007   \sfcode'\. \@m}
13008 {\def\@noitemerr
13009   {\@latex@warning{Empty 'thebibliography' environment}}%
13010   \endlist}

```

7.96 rotating-xetex-bidi.def

```

13011 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
13012 \def\end@rotfloat{%
13013   \end{minipage}\end{lrbox}%
13014   \stepcounter{r@tfl@t}%
13015   \rot@label{RF\ther@tfl@t}%
13016   \rot@pageref{RF\ther@tfl@t}{\R@page}%
13017   \edef\@tempa{Adding sideways \@captype\space on page \R@page\space}
13018   \rot@mess@toks\expandafter{\@tempa}
13019   \wd\rot@float@box\z@
13020   \ht\rot@float@box\z@
13021   \dp\rot@float@box\z@
13022   \vboxL to \textheight{%
13023     \setkeys{Grot}{units=360}%

```

```

13024 \if@rot@twoside
13025 \else
13026 \let\R@@page\rot@LR
13027 \fi
13028 \ifthenelse{\isodd{\R@@page}}{%
13029 \if@rot@twoside
13030 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
13031 \fi
13032 \vfill
13033 @@line{%
13034 \hskip\rotFPtop
13035 \rotatebox{90}{\box\rot@float@box}%
13036 \hskip\rotFPbot
13037 }%
13038 }{%
13039 \if@rot@twoside
13040 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
13041 \fi
13042 @@line{%
13043 \hskip\rotFPbot
13044 \rotatebox{-90}{\box\rot@float@box}%
13045 \hskip\rotFPtop
13046 }%
13047 \vfill
13048 }%
13049 \rot@message{\the\rot@mess@toks}
13050 }%
13051 \end@float
13052 }
13053 \let\endsidewaysfigure\end@rotfloat
13054 \let\endsidewaystable\end@rotfloat
13055 \def\end@rotdblfloat{%
13056 \end{minipage}\end{lrbox}%
13057 \stepcounter{r@tfl@t}%
13058 \rot@label{RF\ther@tfl@t}%
13059 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
13060 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
13061 \rot@mess@toks\expandafter{\@tempa}
13062 \@tempdima\ht\rot@float@box
13063 \advance\@tempdima by \dp\rot@float@box
13064 \wd\rot@float@box\z@
13065 \ht\rot@float@box\z@
13066 \dp\rot@float@box\z@
13067 \vboxL to \textheight{%
13068 \setkeys{Grot}{units=360}%
13069 \if@rot@twoside
13070 \else
13071 \let\R@@page\rot@LR
13072 \fi
13073 \ifthenelse{\isodd{\R@@page}}{%

```



```

13074 \ifrot@messages
13075 \if@rot@twoside
13076 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
13077 \fi
13078 \fi
13079 \vfill
13080 \@@line{%
13081 \hskip\rotFPtop
13082 \rotatebox{90}{\box\rot@float@box}%
13083 \hskip\rotFPbot
13084 }%
13085 }{%
13086 \ifrot@messages
13087 \if@rot@twoside
13088 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
13089 \fi
13090 \fi%
13091 \@@line{%
13092 \hskip\rotFPbot
13093 \rotatebox{-90}{\box\rot@float@box}%
13094 \hskip\rotFPtop
13095 }%
13096 \vfill
13097 }%
13098 \rot@message{\the\rot@mess@toks}%
13099 }%
13100 \end@dblfloat
13101 }
13102 \def\turn#1{%
13103 \Grot@setangle{#1}%
13104 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
13105 \def\endturn{%
13106 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
13107 \unskip\color@endbox
13108 \Grot@x\z@
13109 \Grot@y\z@
13110 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
13111 }
13112 \def\rotate#1{%
13113 \Grot@setangle{#1}%
13114 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
13115 \def\endrotate{%
13116 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
13117 \unskip\color@endbox
13118 \Grot@x\z@
13119 \Grot@y\z@
13120 \wd0\z@\dp0\z@\ht0\z@
13121 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
13122 }
13123 \def\turnbox#1#2{%

```

```

13124 \Grot@setangle{#1}%
13125 \setbox\z@\hbox{{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi
13126 \Grot@x\z@\Grot@y\z@
13127 \wd0\z@\dp0\z@\ht0\z@
13128 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
13129 }
13130 \def\sideways{%
13131 \Grot@setangle{90}%
13132 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
13133 \def\endsideways{%
13134 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
13135 \unskip\color@endbox
13136 \Grot@x\z@
13137 \Grot@y\z@
13138 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
13139 }

```

7.97 scrartcl-xetex-bidi.def

```

13140 \ProvidesFile{scrartcl-xetex-bidi.def}[2012/01/01 v0.6 bidi adaptations for scrartcl class fo
13141 \newcommand{\scr@saved@LTRfootnotetext}{}
13142 \newcommand{\scr@saved@RTLfootnotetext}{}
13143 \let\scr@saved@footnotetext\@footnotetext
13144 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
13145 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
13146 \renewcommand{\@footnotetext}[1]{%
13147 \scr@saved@footnotetext{#1}%
13148 \csname FN@mfb@prepare\endcsname
13149 }
13150 \renewcommand{\@LTRfootnotetext}[1]{%
13151 \scr@saved@LTRfootnotetext{#1}%
13152 \csname FN@mfb@prepare\endcsname
13153 }
13154 \renewcommand{\@RTLfootnotetext}[1]{%
13155 \scr@saved@RTLfootnotetext{#1}%
13156 \csname FN@mfb@prepare\endcsname
13157 }
13158 \renewcommand\deffootnote[4][ ]{%
13159 \long\def\@makefntext##1{%
13160 \setlength{\@tempdimc}{#3}%
13161 \def\@tempa{#1}\ifx\@tempa\@empty
13162 \setpar{\@par
13163 \@tempdima = \hsize
13164 \addtolength{\@tempdima}{-#2}%
13165 \if@RTL\parshape \@ne 0pt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
13166 \else
13167 \addtolength{\@tempdimc}{#2}%
13168 \addtolength{\@tempdimc}{-#1}%
13169 \setpar{\@par
13170 \@tempdima = \hsize

```

```

13171         \addtolength{\@tempdima}{-#1}%
13172         \@tempdimb = \hsize
13173         \addtolength{\@tempdimb}{-#2}%
13174         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
13175     }%
13176     \fi
13177     \par
13178     \parindent\@tempdimc\noindent
13179     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
13180 }%
13181 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
13182 }
13183 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
13184 \renewcommand*\left@footnoterule{%
13185     \normalsize\ftn@rule@test@values
13186     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
13187     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
13188     {\usekomafont{footnoterule}{%
13189         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
13190     \kern 2.6\p@}
13191 \renewcommand*\right@footnoterule{%
13192     \hbox to \columnwidth
13193     {\beginR \vbox{\kern -3\p@
13194         \normalsize\ftn@rule@test@values
13195         \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
13196         \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
13197         {\usekomafont{footnoterule}{%
13198             \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
13199         \kern 2.6\p@}\hfil\endR}}
13200 \renewcommand*\maketitle[1][1]{%
13201     \if@titlepage
13202         \begin{titlepage}
13203             \setcounter{page}{%
13204                 #1%
13205             }%
13206             \let\footnotesize\small
13207             \let\right@footnoterule\relax
13208             \let\left@footnoterule\relax
13209             \let\textwidth\footnoterule\relax
13210             \let\footnote\thanks
13211             \let\LTRfootnote\LTRthanks
13212             \let\RTLfootnote\RTLthanks
13213             \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13214             \let\@oldmakefnmark\@makefnmark
13215             \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
13216             \ifx\@extratitle\@empty \else
13217                 \noindent\@extratitle\next@tpage\cleardoubleemptypage
13218                 \thispagestyle{empty}%
13219             \fi
13220             \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative

```

```

13221 \ifx\@titlehead\@empty \else
13222 \begin{minipage}[t]{\textwidth}%
13223 \@titlehead
13224 \end{minipage}\par
13225 \fi
13226 \null\vfill
13227 \begin{center}
13228 \ifx\@subject\@empty \else
13229 {\subject@font \@subject \par}%
13230 \vskip 3em
13231 \fi
13232 {\titlefont\huge \@title\par}%
13233 \vskip 1em
13234 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
13235 \vskip 2em
13236 {\Large \lineskip 0.75em
13237 \begin{tabular}[t]{c}
13238 \@author
13239 \end{tabular}\par
13240 }%
13241 \vskip 1.5em
13242 {\Large \@date \par}%
13243 \vskip \z@ \@plus3fill
13244 {\Large \@publishers \par}%
13245 \vskip 3em
13246 \end{center}\par
13247 \@thanks
13248 \vfill\null
13249 \if@twoside\next@tpage
13250 \begin{minipage}[t]{\textwidth}
13251 \@uppertitleback
13252 \end{minipage}\par
13253 \vfill
13254 \begin{minipage}[b]{\textwidth}
13255 \@lowertitleback
13256 \end{minipage}
13257 \fi
13258 \ifx\@dedication\@empty \else
13259 \next@tpage\null\vfill
13260 {\centering \Large \@dedication \par}%
13261 \vskip \z@ \@plus3fill
13262 \if@twoside \next@tpage\cleardoubleemptypage \fi
13263 \fi
13264 \end{titlepage}
13265 \else
13266 \par
13267 \@tempcnta=%
13268 #1%
13269 \relax\ifnum\@tempcnta=1\else
13270 \ClassWarning{KOMAClassName}{%

```

```

13271      Optional argument of \string\maketitle\space ignored
13272      at\MessageBreak
13273      notitlepage-mode%
13274  }%
13275  \fi
13276  \begingroup
13277      \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13278      \let\@oldmakefnmark\@makefnmark
13279      \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
13280      \if@twocolumn
13281          \ifnum \col@number=\@ne
13282              \@maketitle
13283          \else
13284              \twocolumn[\@maketitle]%
13285          \fi
13286      \else
13287          \newpage
13288          \global\@topnum\z@
13289          \@maketitle
13290      \fi
13291      \thispagestyle{\titlepagestyle}\@thanks
13292  \endgroup
13293  \fi
13294  \setcounter{footnote}{0}%
13295  \let\thanks\relax
13296  \let\LTRthanks\relax
13297  \let\RTLthanks\relax
13298  \let\maketitle\relax
13299  \let\@maketitle\relax
13300  \global\let\@thanks\@empty
13301  \global\let\@author\@empty
13302  \global\let\@date\@empty
13303  \global\let\@title\@empty
13304  \global\let\@subtitle\@empty
13305  \global\let\@extratitle\@empty
13306  \global\let\@titlehead\@empty
13307  \global\let\@subject\@empty
13308  \global\let\@publishers\@empty
13309  \global\let\@uppertitleback\@empty
13310  \global\let\@lowertitleback\@empty
13311  \global\let\@dedication\@empty
13312  \global\let\author\relax
13313  \global\let\title\relax
13314  \global\let\extratitle\relax
13315  \global\let\titlehead\relax
13316  \global\let\subject\relax
13317  \global\let\publishers\relax
13318  \global\let\uppertitleback\relax
13319  \global\let\lowertitleback\relax
13320  \global\let\dedication\relax

```

```

13321 \global\let\date\relax
13322 \global\let\and\relax
13323 }%
13324 \renewcommand*{\@maketitle}{%
13325 \clearpage
13326 \let\footnote\thanks
13327 \let\LTRfootnote\LTRthanks
13328 \let\RTLfootnote\RTLthanks
13329 \ifx\extratitle\@empty \else
13330 \noindent\extratitle \next@tpage \if@twoside \null\next@tpage \fi
13331 \fi
13332 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
13333 \ifx\@titlehead\@empty \else
13334 \begin{minipage}[t]{\textwidth}
13335 \@titlehead
13336 \end{minipage}\par
13337 \fi
13338 \null
13339 \vskip 2em%
13340 \begin{center}%
13341 \ifx\@subject\@empty \else
13342 {\subject@font \@subject \par}
13343 \vskip 1.5em
13344 \fi
13345 {\titlefont\huge \@title \par}%
13346 \vskip .5em
13347 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
13348 \vskip 1em
13349 {\Large
13350 \lineskip .5em%
13351 \begin{tabular}[t]{c}
13352 \@author
13353 \end{tabular}\par
13354 }%
13355 \vskip 1em%
13356 {\Large \@date \par}%
13357 \vskip \z@ \@plus 1em
13358 {\Large \@publishers \par}
13359 \ifx\@dedication\@empty \else
13360 \vskip 2em
13361 {\Large \@dedication \par}
13362 \fi
13363 \end{center}%
13364 \par
13365 \vskip 2em
13366 }%
13367 \renewcommand*\l@part[2]{%
13368 \ifnum \c@tocdepth >\m@ne\relax
13369 \addpenalty{\@secpenalty}%
13370 \addvspace{2.25em \@plus\p@}%

```

```

13371 \setlength{\@tempdima}{2em}%
13372 \if@tocleft
13373 \ifx\toc@l@number\@empty\else
13374 \setlength{\@tempdima{0\toc@l@number}}%
13375 \fi
13376 \fi
13377 \begingroup
13378 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13379 \parfillskip -\@pnumwidth
13380 \leavevmode
13381 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
13382 \hskip -\if@RTL\rightskip\else\leftskip\fi
13383 {\usekomafont{partentry}{#1\nobreak
13384 \usekomafont{partentrypagenumber}{\hfil\nobreak
13385 \hb@xt@\@pnumwidth{\hss#2}}}\par
13386 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
13387 \endgroup
13388 \penalty20010
13389 \else
13390 \if@compatibility
13391 \global\@nobreaktrue
13392 \everypar{\global\@nobreakfalse\everypar{}}%
13393 \else
13394 \penalty\@highpenalty
13395 \fi
13396 \endgroup
13397 \fi
13398 \fi
13399 }
13400 \renewcommand*\l@section[2]{%
13401 \ifnum \c@tocdepth >\z@
13402 \ifnum \lastpenalty<20009
13403 \addpenalty{\@secpenalty}%
13404 \fi
13405 \addvspace{1.0em \@plus\p@}%
13406 \setlength{\@tempdima{1.5em}}%
13407 \if@tocleft
13408 \ifx\toc@l@number\@empty\else
13409 \setlength{\@tempdima{0\toc@l@number}}%
13410 \fi
13411 \fi
13412 \begingroup
13413 \raggedsectionentry
13414 \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13415 \parfillskip -\@pnumwidth
13416 \interlinepenalty\@M
13417 \leavevmode
13418 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
13419 {\usekomafont{sectionentry}{#1\nobreak
13420 \usekomafont{sectionentrypagenumber}{%

```

```

13421         \hfill\nobreak
13422         \hb@xt@{\pnumwidth{\hss#2}}{\par
13423     \endgroup
13424     \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
13425         \penalty20008
13426     \fi
13427 \fi
13428 }
13429 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
13430 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
13431 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
13432 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
13433 \renewcommand*{\thesubsubsection}{%
13434     \thesubsection\@SepMark\@arabic\c@subsubsection
13435 }
13436 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
13437 \renewcommand*{\thesubparagraph}{%
13438     \theparagraph\@SepMark\@arabic\c@subparagraph
13439 }
13440 \renewenvironment{thebibliography}[1]{%
13441     \if@bib@break@
13442         \bib@beginhook
13443     \else
13444         \bib@heading
13445         \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
13446             \noindent\bibpreamble\par\nobreak
13447         \fi\fi
13448         \bib@beginhook
13449         \bib@before@hook
13450     \fi
13451     \renewcommand{\BreakBibliography}[1]{%
13452         \@bib@break
13453         \end{thebibliography}%
13454         \begingroup ##1\endgroup
13455         \begin{thebibliography}{#1}
13456     }%
13457     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13458     \list{%
13459         \@biblabel{\@arabic\c@enumiv}%
13460     }{%
13461         \settowidth\labelwidth{\@biblabel{#1}}%
13462         \leftmargin\labelwidth
13463         \advance\leftmargin\labelsep
13464         \@openbib@code
13465         \if@bib@break@
13466             \edef\@tempa{%
13467                 \noexpand\usecounter{enumiv}%
13468                 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
13469             }\@tempa
13470         \no@bib@break

```



```

13471 \else
13472 \usecounter{enumiv}%
13473 \fi
13474 \let\p@enumiv\@empty
13475 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
13476 }%
13477 \sloppy\clubpenalty4000 \widowpenalty4000
13478 \sfcode'\.=\@m
13479 }{%
13480 \if@bib@break@
13481 \def\@noitemerr{%
13482 \@latex@warning{%
13483 \string\BreakBibliography\space at begin of 'thebibliography'
13484 environment\MessageBreak
13485 or following \string\BreakBibliography}%
13486 }%
13487 \else
13488 \def\@noitemerr{%
13489 \@latex@warning{%
13490 Empty 'thebibliography' environment or
13491 \string\BreakBibliography\MessageBreak
13492 before end of 'thebibliography' environment}%
13493 }%
13494 \fi
13495 \endlist
13496 \if@bib@break@
13497 \else
13498 \bib@after@hook
13499 \let\bib@before@hook\@empty
13500 \let\bib@after@hook\@empty
13501 \fi
13502 \bib@endhook
13503 }
13504 \renewcommand*\left@footnoterule{%
13505 \kern-3\p@
13506 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
13507 \hrule\@width.4\columnwidth
13508 \kern 2.6\p@}
13509 \renewcommand*\right@footnoterule{%
13510 \hbox to \columnwidth
13511 {\beginR \vbox{%
13512 \kern-3\p@
13513 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
13514 \hrule\@width.4\columnwidth
13515 \kern 2.6\p@}\hfil\endR}}
13516 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
13517 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
13518 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
13519 \renewcommand\marginline[1]{%
13520 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}

```

```

13521 }
13522 \renewcommand{\@@makecaption}[3]{%
13523   \cap@margin
13524   \ifonelinecaptions
13525     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
13526     \let\scr@tmp@footnotetext=\@footnotetext
13527     \let\@footnotetext=\@gobble
13528     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
13529     \let\@LTRfootnotetext=\@gobble
13530     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
13531     \let\@RTLfootnotetext=\@gobble
13532     \sbox\@tempboxa{%
13533       {\capfont{\strut\ignorespaces
13534         #1{\@caplabelfont{#2\captionformat}}}%
13535         #3\unskip\strut}}%
13536     }%
13537     \let\@footnotetext=\scr@tmp@footnotetext
13538     \let\scr@tmp@footnotetext=\undefined
13539     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
13540     \let\scr@tmp@LTRfootnotetext=\undefined
13541     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
13542     \let\scr@tmp@RTLfootnotetext=\undefined
13543     \setcounter{footnote}{\@tempcntb}%
13544     \setcounter{mpfootnote}{\@tempcnta}%
13545   \else
13546     \sbox\@tempboxa{\hspace*{2\cap@width}}%
13547   \fi
13548   \begingroup%
13549     \setlength{\@tempdima}{\cap@width}%
13550     \ifdim \wd\@tempboxa >\@tempdima
13551       \hb@xt@\hsize{%
13552         \setbox\@tempboxa\vbox{\hsize=\cap@width
13553           \ifdofullc@p
13554             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
13555               #1{\@caplabelfont{#2\captionformat}}}}}%
13556               {\#3\unskip\strut\par}}}%
13557           \else%
13558             \ifdim\cap@indent<\z@
13559               {\capfont{\strut\ignorespaces
13560                 #1{\@caplabelfont{#2\captionformat\par}}}%
13561                 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
13562             \else%
13563               \if@capbreak
13564                 {\capfont{\strut\ignorespaces
13565                   #1{\@caplabelfont{#2\captionformat\par}}}%
13566                   \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
13567               \else
13568                 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
13569                   {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
13570                     {\@caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%

```

```

13571         \fi
13572     \fi
13573 \fi
13574 }%
13575 \setlength{\@tempdima}{\ht\@tempboxa}%
13576 \addtolength{\@tempdima}{\dp\@tempboxa}%
13577 \addtolength{\@tempdima}{-\ht\strutbox}%
13578 \ht\@tempboxa\ht\strutbox
13579 \dp\@tempboxa\@tempdima
13580 \strut\cap@left
13581 \box\@tempboxa
13582 \cap@right\strut
13583 }%
13584 \else
13585     \global \@minipagefalse
13586     \sbox\@tempboxa{%
13587         {\capfont{\scr@smashdp{\strut\ignorespaces
13588             #1{\caplabelfont{#2\captionformat}}}}}%
13589         #3}}%
13590     }%
13591     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}
13592 \fi
13593 \endgroup
13594 }
13595 \renewcommand{\@makecaption}[2]{%
13596     \if@captionabove
13597         \vskip\belowcaptionskip
13598     \else
13599         \vskip\abovecaptionskip
13600     \fi
13601     \@makecaption\@firstofone{#1}{#2}%
13602     \if@captionabove
13603         \vskip\abovecaptionskip
13604     \else
13605         \vskip\belowcaptionskip
13606     \fi
13607 }

```

7.98 scrbook-xetex-bidi.def

```

13608 \ProvidesFile{scrbook-xetex-bidi.def}[2012/01/01 v0.6 bidi adaptations for scrbook class for
13609 \newcommand{\scr@saved@LTRfootnotetext}{}
13610 \newcommand{\scr@saved@RTLfootnotetext}{}
13611 \let\scr@saved@footnotetext\@footnotetext
13612 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
13613 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
13614 \renewcommand{\@footnotetext}[1]{%
13615     \scr@saved@footnotetext{#1}%
13616     \csname FN@mfb@prepare\endcsname
13617 }

```

```

13618 \renewcommand{\@LTRfootnotetext}[1]{%
13619   \scr@saved@LTRfootnotetext{#1}%
13620   \csname FN@mfb@prepare\endcsname
13621 }
13622 \renewcommand{\@RTLfootnotetext}[1]{%
13623   \scr@saved@RTLfootnotetext{#1}%
13624   \csname FN@mfb@prepare\endcsname
13625 }
13626 \renewcommand\deffootnote[4][1]{%
13627   \long\def\@makefnmark##1{%
13628     \setlength{\@tempdimc}{#3}%
13629     \def\@tempa{#1}\ifx\@tempa\@empty
13630       \setpar{\@par
13631         \@tempdima = \hsize
13632         \addtolength{\@tempdima}{-#2}%
13633         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
13634       \else
13635         \addtolength{\@tempdimc}{#2}%
13636         \addtolength{\@tempdimc}{-#1}%
13637         \setpar{\@par
13638           \@tempdima = \hsize
13639           \addtolength{\@tempdima}{-#1}%
13640           \@tempdimb = \hsize
13641           \addtolength{\@tempdimb}{-#2}%
13642           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
13643           }%
13644         \fi
13645         \par
13646         \parindent\@tempdimc\noindent
13647         \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
13648       }%
13649     \def\@makefnmark{\hbox{\ftn@font{#4}}}%
13650 }
13651 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
13652 \renewcommand*\left@footnoterule{%
13653   \normalsize\ftn@rule@test@values
13654   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
13655   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
13656   {\usekomafont{footnoterule}{%
13657     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
13658   \kern 2.6\p@}
13659 \renewcommand*\right@footnoterule{%
13660   \hbox to \columnwidth
13661   {\beginR \vbox{\kern -3\p@
13662     \normalsize\ftn@rule@test@values
13663     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
13664     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
13665     {\usekomafont{footnoterule}{%
13666       \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
13667     \kern 2.6\p@}\hfil\endR}}

```

```

13668 \renewcommand*\maketitle[1][1]{%
13669   \if@titlepage
13670     \begin{titlepage}
13671       \setcounter{page}{%
13672         #1%
13673       }%
13674       \let\footnotesize\small
13675       \let\right@footnoterule\relax
13676       \let\left@footnoterule\relax
13677       \let\textwidth@footnoterule\relax
13678       \let\footnote\thanks
13679       \let\LTRfootnote\LTRthanks
13680       \let\RTLfootnote\RTLthanks
13681       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13682       \let\@oldmakefnmark\@makefnmark
13683       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
13684       \ifx\@extratitle\@empty \else
13685         \noindent\@extratitle\next@tpage\cleardoubleemptypage
13686         \thispagestyle{empty}%
13687       \fi
13688       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
13689       \ifx\@titlehead\@empty \else
13690         \begin{minipage}[t]{\textwidth}%
13691           \@titlehead
13692         \end{minipage}\par
13693       \fi
13694       \null\vfill
13695       \begin{center}
13696         \ifx\@subject\@empty \else
13697           {\subject@font \@subject \par}%
13698           \vskip 3em
13699         \fi
13700         {\titlefont\huge \@title\par}%
13701         \vskip 1em
13702         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
13703         \vskip 2em
13704         {\Large \lineskip 0.75em
13705           \begin{tabular}[t]{c}
13706             \@author
13707           \end{tabular}\par
13708         }%
13709         \vskip 1.5em
13710         {\Large \@date \par}%
13711         \vskip \z@ \@plus3fill
13712         {\Large \@publishers \par}%
13713         \vskip 3em
13714       \end{center}\par
13715       \@thanks
13716       \vfill\null
13717       \if@twoside\next@tpage

```

```

13718      \begin{minipage}[t]{\textwidth}
13719          \@uppertitleback
13720      \end{minipage}\par
13721      \vfill
13722      \begin{minipage}[b]{\textwidth}
13723          \@lowertitleback
13724      \end{minipage}
13725      \fi
13726      \ifx\@dedication\@empty \else
13727          \next@tpage\null\vfill
13728          {\centering \Large \@dedication \par}%
13729          \vskip \z@ \@plus3fill
13730          \if@twoside \next@tpage\cleardoubleemptypage \fi
13731      \fi
13732      \end{titlepage}
13733  \else
13734      \par
13735      \@tempcnta=
13736      #1%
13737      \relax\ifnum\@tempcnta=1\else
13738          \ClassWarning{\KOMAClassName}{%
13739              Optional argument of \string\maketitle\space ignored
13740              at\MessageBreak
13741              notitlepage-mode%
13742          }%
13743      \fi
13744      \begingroup
13745          \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13746          \let\@oldmakefnmark\@makefnmark
13747          \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
13748          \if@twocolumn
13749              \ifnum \col@number=\@ne
13750                  \@maketitle
13751              \else
13752                  \twocolumn[\@maketitle]%
13753              \fi
13754          \else
13755              \newpage
13756              \global\@topnum\z@
13757              \@maketitle
13758          \fi
13759          \thispagestyle{\titlepagestyle}\@thanks
13760      \endgroup
13761      \fi
13762      \setcounter{footnote}{0}%
13763      \let\thanks\relax
13764      \let\LTRthanks\relax
13765      \let\RTLthanks\relax
13766      \let\maketitle\relax
13767      \let\@maketitle\relax

```

```

13768 \global\let\@thanks\@empty
13769 \global\let\@author\@empty
13770 \global\let\@date\@empty
13771 \global\let\@title\@empty
13772 \global\let\@subtitle\@empty
13773 \global\let\@extratitle\@empty
13774 \global\let\@titlehead\@empty
13775 \global\let\@subject\@empty
13776 \global\let\@publishers\@empty
13777 \global\let\@uppertitleback\@empty
13778 \global\let\@lowertitleback\@empty
13779 \global\let\@dedication\@empty
13780 \global\let\author\relax
13781 \global\let\title\relax
13782 \global\let\extratitle\relax
13783 \global\let\titlehead\relax
13784 \global\let\subject\relax
13785 \global\let\publishers\relax
13786 \global\let\uppertitleback\relax
13787 \global\let\lowertitleback\relax
13788 \global\let\dedication\relax
13789 \global\let\date\relax
13790 \global\let\and\relax
13791 }%
13792 \renewcommand*{\@maketitle}{%
13793 \clearpage
13794 \let\footnote\thanks
13795 \let\LTRfootnote\LTRthanks
13796 \let\RTLfootnote\RTLthanks
13797 \ifx\@extratitle\@empty \else
13798 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
13799 \fi
13800 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
13801 \ifx\@titlehead\@empty \else
13802 \begin{minipage}[t]{\textwidth}
13803 \@titlehead
13804 \end{minipage}\par
13805 \fi
13806 \null
13807 \vskip 2em%
13808 \begin{center}%
13809 \ifx\@subject\@empty \else
13810 {\subject@font \@subject \par}
13811 \vskip 1.5em
13812 \fi
13813 {\titlefont\huge \@title \par}%
13814 \vskip .5em
13815 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
13816 \vskip 1em
13817 {\Large

```

```

13818     \lineskip .5em%
13819     \begin{tabular}[t]{c}
13820         \@author
13821     \end{tabular}\par
13822 }%
13823 \vskip 1em%
13824 {\Large \@date \par}%
13825 \vskip \z@ \@plus 1em
13826 {\Large \@publishers \par}
13827 \ifx\@dedication\@empty \else
13828     \vskip 2em
13829     {\Large \@dedication \par}
13830 \fi
13831 \end{center}%
13832 \par
13833 \vskip 2em
13834 }%
13835 \renewcommand*\l@part[2]{%
13836     \ifnum \c@tocdepth >-2\relax
13837         \addpenalty{-\@highpenalty}%
13838         \addvspace{2.25em \@plus\p@}%
13839         \setlength{\@tempdima}{2em}%
13840         \if@tocleft
13841             \ifx\toc@l@number\@empty\else
13842                 \setlength{\@tempdima}{0\toc@l@number}%
13843             \fi
13844         \fi
13845         \begingroup
13846             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13847             \parfillskip -\@pnumwidth
13848             \leavevmode
13849             \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13850             \hskip -\if@RTL\rightskip\else\leftskip\fi
13851             {\usekomafont{partentry}{#1\nobreak
13852                 \usekomafont{partentrypagenumber}{\hfil\nobreak
13853                     \hb@xt@\@pnumwidth{\hss#2}}}\par
13854             \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
13855             \endgroup
13856             \penalty20010
13857         \else
13858             \penalty\@highpenalty
13859         \endgroup
13860     \fi
13861 \fi
13862 }\renewcommand*\l@part[2]{%
13863     \ifnum \c@tocdepth >-2\relax
13864         \addpenalty{-\@highpenalty}%
13865         \addvspace{2.25em \@plus\p@}%
13866         \setlength{\@tempdima}{2em}%
13867         \if@tocleft

```



```

13868     \ifx\toc@l@number\@empty\else
13869         \setlength\@tempdima{0\toc@l@number}%
13870     \fi
13871 \fi
13872 \begingroup
13873     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13874     \parfillskip -\@pnumwidth
13875     \leavevmode
13876     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
13877     \hskip -\if@RTL\rightskip\else\leftskip\fi
13878     {\usekomafont{partentry}{#1\nobreak
13879         \usekomafont{partentrypagenumber}{\hfil\nobreak
13880             \hb@xt@\@pnumwidth{\hss#2}}}\par
13881     \ifnum \scr@compatibility>\@nameuse{scr@v2.96}\relax
13882     \endgroup
13883     \penalty20010
13884     \else
13885         \penalty\@highpenalty
13886     \endgroup
13887 \fi
13888 \fi
13889 }
13890 \renewcommand*\l@chapter[2]{%
13891     \ifnum \c@tocdepth >\m@ne
13892         \ifnum \lastpenalty<20010
13893             \addpenalty{-\@highpenalty}%
13894         \fi
13895         \vskip 1.0em \@plus\p@
13896         \setlength\@tempdima{1.5em}%
13897         \if@tocleft
13898             \ifx\toc@l@number\@empty\else
13899                 \setlength\@tempdima{0\toc@l@number}%
13900             \fi
13901         \fi
13902         \begingroup
13903             \raggedchapterentry
13904             \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13905             \parfillskip -\@pnumwidth
13906             \interlinepenalty\@M
13907             \leavevmode
13908             \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
13909             {\usekomafont{chapterentry}{#1\nobreak
13910                 \usekomafont{chapterentrypagenumber}{%
13911                     \hfill\nobreak
13912                     \hb@xt@\@pnumwidth{\hss#2}}}\par
13913             \ifnum \scr@compatibility>\@nameuse{scr@v2.96}\relax
13914             \endgroup
13915             \penalty20009
13916             \else
13917                 \penalty\@highpenalty

```

```

13918         \endgroup
13919     \fi
13920 \fi
13921 }
13922 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
13923 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
13924 \renewcommand*\thesection{%
13925     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
13926         \if@mainmatter\thechapter\@SepMark\fi
13927     \else
13928         \thechapter\@SepMark%
13929     \fi
13930     \@arabic\c@section
13931 }
13932 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
13933 \renewcommand*{\thesubsubsection}{%
13934     \thesubsection\@SepMark\@arabic\c@subsubsection
13935 }
13936 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
13937 \renewcommand*{\thesubparagraph}{%
13938     \theparagraph\@SepMark\@arabic\c@subparagraph
13939 }
13940 \renewcommand*\thefigure{%
13941     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
13942         \if@mainmatter\thechapter\@SepMark\fi
13943     \else
13944         \thechapter\@SepMark%
13945     \fi
13946     \@arabic\c@figure
13947 }
13948 \renewcommand*\thetable{%
13949     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
13950         \if@mainmatter\thechapter\@SepMark\fi
13951     \else
13952         \thechapter\@SepMark%
13953     \fi
13954     \@arabic\c@table
13955 }
13956 \renewcommand*\theequation{%
13957     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
13958         \if@mainmatter\thechapter\@SepMark\fi
13959     \else
13960         \thechapter\@SepMark%
13961     \fi
13962     \@arabic\c@equation
13963 }
13964 \renewenvironment{thebibliography}[1]{%
13965     \if@bib@break@
13966         \bib@beginhook
13967     \else

```

```

13968 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
13969 \setchapterpreamble{\bibpreamble}%
13970 \fi\fi
13971 \bib@heading
13972 \bib@beginhook
13973 \bib@before@hook
13974 \fi
13975 \renewcommand{\BreakBibliography}[1]{%
13976 \bib@break
13977 \end{thebibliography}%
13978 \begingroup ##1\endgroup
13979 \begin{thebibliography}{#1}
13980 }%
13981 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13982 \list{%
13983 \biblabel{\@arabic\c@enumiv}%
13984 }{%
13985 \settowidth\labelwidth{\biblabel{#1}}%
13986 \leftmargin\labelwidth
13987 \advance\leftmargin\labelsep
13988 \@openbib@code
13989 \if@bib@break@
13990 \edef\@tempa{%
13991 \noexpand\usecounter{enumiv}%
13992 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
13993 }\@tempa
13994 \no@bib@break
13995 \else
13996 \usecounter{enumiv}%
13997 \fi
13998 \let\p@enumiv\@empty
13999 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
14000 }%
14001 \sloppy\clubpenalty4000 \widowpenalty4000
14002 \sfcode'\.=\@m
14003 }{%
14004 \if@bib@break@
14005 \def\@noitemerr{%
14006 \@latex@warning{%
14007 \string\BreakBibliography\space at begin of 'thebibliography'
14008 environment\MessageBreak
14009 or following \string\BreakBibliography}%
14010 }%
14011 \else
14012 \def\@noitemerr{%
14013 \@latex@warning{%
14014 Empty 'thebibliography' environment or
14015 \string\BreakBibliography\MessageBreak
14016 before end of 'thebibliography' environment}%
14017 }%

```

```

14018 \fi
14019 \endlist
14020 \if@bib@break@
14021 \else
14022 \bib@after@hook
14023 \let\bib@before@hook\@empty
14024 \let\bib@after@hook\@empty
14025 \fi
14026 \bib@endhook
14027 }
14028 \renewcommand*\left@footnoterule{%
14029 \kern-3\p@
14030 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14031 \hrule\@width.4\columnwidth
14032 \kern 2.6\p@}
14033 \renewcommand*\right@footnoterule{%
14034 \hbox to \columnwidth
14035 {\beginR \vbox{%
14036 \kern-3\p@
14037 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14038 \hrule\@width.4\columnwidth
14039 \kern 2.6\p@}\hfil\endR}}
14040 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
14041 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
14042 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
14043 \renewcommand\marginline[1]{%
14044 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
14045 }
14046 \renewcommand{\@makecaption}[3]{%
14047 \cap@margin
14048 \ifonlinecaptions
14049 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
14050 \let\scr@tmp@footnotetext=\@footnotetext
14051 \let\@footnotetext=\@gobble
14052 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
14053 \let\@LTRfootnotetext=\@gobble
14054 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
14055 \let\@RTLfootnotetext=\@gobble
14056 \sbox\@tempboxa{%
14057 {\capfont{\strut\ignorespaces
14058 #1{\caplabelfont{#2\captionformat}}}%
14059 #3\unskip\strut}}%
14060 }%
14061 \let\@footnotetext=\scr@tmp@footnotetext
14062 \let\scr@tmp@footnotetext=\undefined
14063 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
14064 \let\scr@tmp@LTRfootnotetext=\undefined
14065 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
14066 \let\scr@tmp@RTLfootnotetext=\undefined
14067 \setcounter{footnote}{\@tempcntb}%

```

```

14068     \setcounter{mpfootnote}{\@tempcnta}%
14069 \else
14070     \sbox\@tempboxa{\hspace*{2\cap@width}}%
14071 \fi
14072 \begingroup%
14073     \setlength{\@tempdima}{\cap@width}%
14074     \ifdim \wd\@tempboxa >\@tempdima
14075         \hb@xt@\hsize{%
14076             \setbox\@tempboxa\vbox{\hsize=\cap@width
14077                 \ifdofullc@p
14078                     {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
14079                         #1{\caplabelfont{#2\captionformat}}}}}%
14080                     {#3\unskip\strut\par}}}%
14081                 \else%
14082                     \ifdim\cap@indent<\z@
14083                         {\capfont{\strut\ignorespaces
14084                             #1{\caplabelfont{#2\captionformat\par}}}%
14085                             \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
14086                     \else%
14087                         \if@capbreak
14088                             {\capfont{\strut\ignorespaces
14089                                 #1{\caplabelfont{#2\captionformat\par}}}%
14090                                 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
14091                         \else
14092                             {\capfont{\@hangfrom{\scr@smashdp{\strut\hspace*{\cap@indent}}}%
14093                                 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
14094                                     {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
14095                             \fi
14096                         \fi
14097                     \fi
14098                 }%
14099                 \setlength{\@tempdima}{\ht\@tempboxa}%
14100                 \addtolength{\@tempdima}{\dp\@tempboxa}%
14101                 \addtolength{\@tempdima}{-\ht\strutbox}%
14102                 \ht\@tempboxa\ht\strutbox
14103                 \dp\@tempboxa\@tempdima
14104                 \strut\cap@left
14105                 \box\@tempboxa
14106                 \cap@right\strut
14107             }%
14108         \else
14109             \global \@minipagefalse
14110             \sbox\@tempboxa{%
14111                 {\capfont{\scr@smashdp{\strut\ignorespaces
14112                     #1{\caplabelfont{#2\captionformat}}}}}%
14113                     #3}%
14114             }%
14115             {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right\strut}}%
14116             \fi
14117 \endgroup

```

```

14118 }
14119 \renewcommand{\@makecaption}[2]{%
14120   \if@captionabove
14121     \vskip\belowcaptionskip
14122   \else
14123     \vskip\abovecaptionskip
14124   \fi
14125   \@makecaption\@firstofone{#1}{#2}%
14126   \if@captionabove
14127     \vskip\abovecaptionskip
14128   \else
14129     \vskip\belowcaptionskip
14130   \fi
14131 }

```

7.99 scrlettr-xetex-bidi.def

```

14132 \ProvidesFile{scrlettr-xetex-bidi.def}[2011/09/24 v0.2 bidi adaptations for scrlettr class fo
14133 \renewcommand\deffootnote[4][]{%
14134   \long\def\@makefnmark##1{%
14135     \edef\@tempa{#1}\ifx\@tempa\@empty
14136       \@setpar{\@par
14137         \@tempdima = \hsize
14138         \addtolength{\@tempdima}{-#2}
14139         \if@RTL\parshape \@ne 0pt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
14140     \else
14141       \@setpar{\@par
14142         \@tempdima = \hsize
14143         \addtolength{\@tempdima}{-#1}
14144         \@tempdimb = \hsize
14145         \addtolength{\@tempdimb}{-#2}
14146         \if@RTL\parshape \tw@ 0pt \@tempdima 0pt \@tempdimb\else\parshape \tw@ #1 \@tempdima
14147       \fi
14148       \par
14149       \parindent #3\noindent
14150       \hbox to \z@{\hss\@makefnmark}##1}
14151   \def\@makefnmark{\hbox{#4}}
14152 }
14153 \deffootnote[1em]{1.5em}{1em}
14154 {\textsuperscript{\thefootnotemark}}
14155 \def\left@footnoterule{\kern-1\p@
14156   \hrule width 0.4\columnwidth
14157   \kern .6\p@}
14158 \def\right@footnoterule{%
14159   \hbox to \columnwidth
14160   {\beginR \vbox{\kern -3\p@
14161     \kern-1\p@
14162     \hrule width 0.4\columnwidth
14163     \kern .6\p@}\hfil\endR}}
14164 \def\@datefield{\@reffalse

```

```

14165 \ifx\varyourref\@empty \else \@reftrue \fi
14166 \ifx\varyourmail\@empty \else \@reftrue \fi
14167 \ifx\varmyref\@empty \else \@reftrue \fi
14168 \ifx\varcustomer\@empty \else \@reftrue \fi
14169 \ifx\varinvoice\@empty \else \@reftrue \fi
14170 \ifx\varrefitemi\@empty \else \@reftrue \fi
14171 \ifx\varrefitemii\@empty \else \@reftrue \fi
14172 \ifx\varrefitemiii\@empty \else \@reftrue \fi
14173 \vskip -\parskip
14174 \vskip \refvskip
14175 \if@ref
14176 \ifx\varyourref\@empty \else
14177 \settowidth{\sc@temp}{\varyourref}
14178 \setbox0\hbox{\scriptsize \sf \yourrefname}
14179 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14180 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
14181 \fi
14182 \ifx\varyourmail\@empty \else
14183 \settowidth{\sc@temp}{\varyourmail}
14184 \setbox0\hbox{\scriptsize \sf \yourmailname}
14185 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14186 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
14187 \fi
14188 \ifx\varmyref\@empty \else
14189 \settowidth{\sc@temp}{\varmyref}
14190 \setbox0\hbox{\scriptsize \sf \myrefname}
14191 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14192 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
14193 \fi
14194 \ifx\varcustomer\@empty \else
14195 \settowidth{\sc@temp}{\varcustomer}
14196 \setbox0\hbox{\scriptsize \sf \customername}
14197 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14198 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
14199 \fi
14200 \ifx\varinvoice\@empty \else
14201 \settowidth{\sc@temp}{\varinvoice}
14202 \setbox0\hbox{\scriptsize \sf \invoicename}
14203 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14204 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
14205 \fi
14206 \ifx\varrefitemi\@empty \else
14207 \settowidth{\sc@temp}{\varrefitemi}
14208 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
14209 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14210 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
14211 \fi
14212 \ifx\varrefitemii\@empty \else
14213 \settowidth{\sc@temp}{\varrefitemii}
14214 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}

```

```

14215 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14216 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
14217 \fi
14218 \ifx\varrefitemiii\@empty \else
14219 \settowidth{\sc@temp}{\varrefitemiii}
14220 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
14221 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14222 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
14223 \fi
14224 \ifx\@date\@empty \else
14225 \settowidth{\sc@temp}{\@date}
14226 \setbox0\hbox{\scriptsize \sf \datename}
14227 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14228 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
14229 \fi
14230 \par
14231 \vspace{2.5\baselineskip}
14232 \else
14233 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
14234 \vspace{1.5\baselineskip}
14235 \fi}
14236 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
14237 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
14238 -\sigindent \hspace{\sigindent}%
14239 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@sk
14240 \fromsig\strut}\par
14241 \vspace{1.5\baselineskip}}

```

7.100 scrreprt-xetex-bidi.def

```

14242 \ProvidesFile{scrreprt-xetex-bidi.def}[2012/01/01 v0.6 bidi adaptations for scrreprt class fo
14243 \newcommand{\scr@saved@LTRfootnotetext}{}
14244 \newcommand{\scr@saved@RTLfootnotetext}{}
14245 \let\scr@saved@footnotetext\@footnotetext
14246 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
14247 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
14248 \renewcommand{\@footnotetext}[1]{%
14249 \scr@saved@footnotetext{#1}%
14250 \csname FN@mfb@prepare\endcsname
14251 }
14252 \renewcommand{\@LTRfootnotetext}[1]{%
14253 \scr@saved@LTRfootnotetext{#1}%
14254 \csname FN@mfb@prepare\endcsname
14255 }
14256 \renewcommand{\@RTLfootnotetext}[1]{%
14257 \scr@saved@RTLfootnotetext{#1}%
14258 \csname FN@mfb@prepare\endcsname
14259 }
14260 \renewcommand\deffootnote[4][1]{%
14261 \long\def\@makefntext##1{%

```



```

14262 \setlength{\@tempdimc}{#3}%
14263 \def\@tempa{#1}\ifx\@tempa\@empty
14264 \setpar{\@par
14265 \@tempdima = \hsize
14266 \addtolength{\@tempdima}{-#2}%
14267 \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
14268 \else
14269 \addtolength{\@tempdimc}{#2}%
14270 \addtolength{\@tempdimc}{-#1}%
14271 \setpar{\@par
14272 \@tempdima = \hsize
14273 \addtolength{\@tempdima}{-#1}%
14274 \@tempdimb = \hsize
14275 \addtolength{\@tempdimb}{-#2}%
14276 \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
14277 }%
14278 \fi
14279 \par
14280 \parindent\@tempdimc\noindent
14281 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
14282 }%
14283 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
14284 }
14285 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
14286 \renewcommand*\left@footnoterule{%
14287 \normalsize\ftn@rule@test@values
14288 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
14289 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14290 {\usekomafont{footnoterule}{%
14291 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
14292 \kern 2.6\p@}
14293 \renewcommand*\right@footnoterule{%
14294 \hbox to \columnwidth
14295 {\beginR \vbox{\kern -3\p@
14296 \normalsize\ftn@rule@test@values
14297 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
14298 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14299 {\usekomafont{footnoterule}{%
14300 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
14301 \kern 2.6\p@}\hfil\endR}}
14302 \renewcommand*\maketitle[1][1]{%
14303 \if@titlepage
14304 \begin{titlepage}
14305 \setcounter{page}{%
14306 #1%
14307 }%
14308 \let\footnotesize\small
14309 \let\right@footnoterule\relax
14310 \let\left@footnoterule\relax
14311 \let\textwidth\footnoterule\relax

```

```

14312 \let\footnote\thanks
14313 \let\LTRfootnote\LTRthanks
14314 \let\RTLfootnote\RTLthanks
14315 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14316 \let\@oldmakefnmark\@makefnmark
14317 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
14318 \ifx\@extratitle\@empty \else
14319 \noindent\@extratitle\next@tpage\cleardoubleemptypage
14320 \thispagestyle{empty}%
14321 \fi
14322 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14323 \ifx\@titlehead\@empty \else
14324 \begin{minipage}[t]{\textwidth}%
14325 \@titlehead
14326 \end{minipage}\par
14327 \fi
14328 \null\vfill
14329 \begin{center}
14330 \ifx\@subject\@empty \else
14331 {\subject@font \@subject \par}%
14332 \vskip 3em
14333 \fi
14334 {\titlefont\huge \@title\par}%
14335 \vskip 1em
14336 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14337 \vskip 2em
14338 {\Large \lineskip 0.75em
14339 \begin{tabular}[t]{c}
14340 \@author
14341 \end{tabular}\par
14342 }%
14343 \vskip 1.5em
14344 {\Large \@date \par}%
14345 \vskip \z@ \@plus3fill
14346 {\Large \@publishers \par}%
14347 \vskip 3em
14348 \end{center}\par
14349 \@thanks
14350 \vfill\null
14351 \if@twoside\next@tpage
14352 \begin{minipage}[t]{\textwidth}
14353 \@uppertitleback
14354 \end{minipage}\par
14355 \vfill
14356 \begin{minipage}[b]{\textwidth}
14357 \@lowertitleback
14358 \end{minipage}
14359 \fi
14360 \ifx\@dedication\@empty \else
14361 \next@tpage\null\vfill

```

```

14362         {\centering \Large \@dedication \par}%
14363         \vskip \z@ \@plus3fill
14364         \if@twoside \next@tpage\cleardoubleemptypage \fi
14365     \fi
14366     \end{titlepage}
14367 \else
14368     \par
14369     \@tempcnta=
14370     #1%
14371     \relax\ifnum\@tempcnta=1\else
14372         \ClassWarning{\KOMAClassName}{%
14373             Optional argument of \string\maketitle\space ignored
14374             at\MessageBreak
14375             notitlepage-mode%
14376         }%
14377     \fi
14378     \begingroup
14379         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14380         \let\oldmakefnmark\makefnmark
14381         \renewcommand*{\@makefnmark}{\rlap\oldmakefnmark}
14382         \if@twocolumn
14383             \ifnum \col@number=\@ne
14384                 \@maketitle
14385             \else
14386                 \twocolumn[\@maketitle]%
14387             \fi
14388         \else
14389             \newpage
14390             \global\@topnum\z@
14391             \@maketitle
14392         \fi
14393         \thispagestyle{\titlepagestyle}\@thanks
14394     \endgroup
14395 \fi
14396 \setcounter{footnote}{0}%
14397 \let\thanks\relax
14398 \let\LTRthanks\relax
14399 \let\RTLthanks\relax
14400 \let\maketitle\relax
14401 \let\@maketitle\relax
14402 \global\let\@thanks\@empty
14403 \global\let\@author\@empty
14404 \global\let\@date\@empty
14405 \global\let\@title\@empty
14406 \global\let\@subtitle\@empty
14407 \global\let\@extratitle\@empty
14408 \global\let\@titlehead\@empty
14409 \global\let\@subject\@empty
14410 \global\let\@publishers\@empty
14411 \global\let\@uppertitleback\@empty

```

```

14412 \global\let\@lowertitleback\@empty
14413 \global\let\@dedication\@empty
14414 \global\let\author\relax
14415 \global\let\title\relax
14416 \global\let\extratitle\relax
14417 \global\let\titlehead\relax
14418 \global\let\subject\relax
14419 \global\let\publishers\relax
14420 \global\let\uppertitleback\relax
14421 \global\let\lowertitleback\relax
14422 \global\let\dedication\relax
14423 \global\let\date\relax
14424 \global\let\and\relax
14425 }%
14426 \renewcommand*{\@maketitle}{%
14427 \clearpage
14428 \let\footnote\thanks
14429 \let\LTRfootnote\LTRthanks
14430 \let\RTLfootnote\RTLthanks
14431 \ifx\@extratitle\@empty \else
14432 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
14433 \fi
14434 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14435 \ifx\@titlehead\@empty \else
14436 \begin{minipage}[t]{\textwidth}
14437 \@titlehead
14438 \end{minipage}\par
14439 \fi
14440 \null
14441 \vskip 2em%
14442 \begin{center}%
14443 \ifx\@subject\@empty \else
14444 {\subject@font \@subject \par}
14445 \vskip 1.5em
14446 \fi
14447 {\titlefont\huge \@title \par}%
14448 \vskip .5em
14449 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14450 \vskip 1em
14451 {\Large
14452 \lineskip .5em%
14453 \begin{tabular}[t]{c}
14454 \@author
14455 \end{tabular}\par
14456 }%
14457 \vskip 1em%
14458 {\Large \@date \par}%
14459 \vskip \z@ \@plus 1em
14460 {\Large \@publishers \par}
14461 \ifx\@dedication\@empty \else

```

```

14462      \vskip 2em
14463      {\Large \@dedication \par}
14464      \fi
14465    \end{center}%
14466    \par
14467    \vskip 2em
14468  }%
14469  \renewcommand*\l@part[2]{%
14470    \ifnum \c@tocdepth >-2\relax
14471      \addpenalty{-\@highpenalty}%
14472      \addvspace{2.25em \@plus\p@}%
14473      \setlength{\@tempdima}{2em}%
14474      \if@tocleft
14475        \ifx\toc@l@number\@empty\else
14476          \setlength{\@tempdima}{0\toc@l@number}%
14477        \fi
14478      \fi
14479      \begingroup
14480        \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14481        \parfillskip -\@pnumwidth
14482        \leavevmode
14483        \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14484        \hskip -\if@RTL\rightskip\else\leftskip\fi
14485        {\usekomafont{partentry}{#1\nobreak
14486          \usekomafont{partentrypagenumber}{\hfil\nobreak
14487            \hb@xt@\@pnumwidth{\hss#2}}}\par
14488        \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14489        \endgroup
14490        \penalty20010
14491      \else
14492        \penalty\@highpenalty
14493      \endgroup
14494    \fi
14495  \fi
14496  }
14497  \renewcommand*\l@chapter[2]{%
14498    \ifnum \c@tocdepth >\m@ne
14499      \ifnum \lastpenalty<20010
14500        \addpenalty{-\@highpenalty}%
14501      \fi
14502      \vskip 1.0em \@plus\p@
14503      \setlength{\@tempdima}{1.5em}%
14504      \if@tocleft
14505        \ifx\toc@l@number\@empty\else
14506          \setlength{\@tempdima}{0\toc@l@number}%
14507        \fi
14508      \fi
14509      \begingroup
14510      \raggedchapterentry
14511      \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```

```

14512     \parfillskip -\@pnumwidth
14513     \interlinepenalty\@M
14514     \leavevmode
14515     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
14516     {\usekomafont{chapterentry}{#1\nobreak
14517       \usekomafont{chapterentrypagenumber}{%
14518         \hfill\nobreak
14519         \hb@xt@\@pnumwidth{\hss#2}}}\par
14520     \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14521     \endgroup
14522     \penalty20009
14523     \else
14524       \penalty\@highpenalty
14525     \endgroup
14526   \fi
14527 \fi
14528 }
14529 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
14530 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
14531 \renewcommand*\thesection{%
14532   \thechapter\@SepMark%
14533   \@arabic\c@section
14534 }
14535 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
14536 \renewcommand*\thesubsubsection{%
14537   \thesubsection\@SepMark\@arabic\c@subsubsection
14538 }
14539 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14540 \renewcommand*\thesubparagraph{%
14541   \theparagraph\@SepMark\@arabic\c@subparagraph
14542 }
14543 \renewcommand*\thefigure{%
14544   \thechapter\@SepMark%
14545   \@arabic\c@figure
14546 }
14547 \renewcommand*\thetable{%
14548   \thechapter\@SepMark%
14549   \@arabic\c@table
14550 }
14551 \renewcommand*\theequation{%
14552   \thechapter\@SepMark%
14553   \@arabic\c@equation
14554 }
14555 \renewenvironment{thebibliography}[1]{%
14556   \if@bib@break@
14557     \bib@beginhook
14558   \else
14559     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
14560       \setchapterpreamble{\bibpreamble}%
14561     \fi\fi

```

```

14562 \bib@heading
14563 \bib@beginhook
14564 \bib@before@hook
14565 \fi
14566 \renewcommand{\BreakBibliography}[1]{%
14567 \@bib@break
14568 \end{thebibliography}%
14569 \begingroup ##1\endgroup
14570 \begin{thebibliography}{#1}
14571 }%
14572 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14573 \list{%
14574 \@biblabel{\@arabic\c@enumiv}%
14575 }{%
14576 \settowidth\labelwidth{\@biblabel{#1}}%
14577 \leftmargin\labelwidth
14578 \advance\leftmargin\labelsep
14579 \@openbib@code
14580 \if@bib@break@
14581 \edef\@tempa{%
14582 \noexpand\usecounter{enumiv}%
14583 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
14584 }\@tempa
14585 \no@bib@break
14586 \else
14587 \usecounter{enumiv}%
14588 \fi
14589 \let\p@enumiv\@empty
14590 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
14591 }%
14592 \sloppy\clubpenalty4000 \widowpenalty4000
14593 \sfcode'\.=\@m
14594 }{%
14595 \if@bib@break@
14596 \def\@noitemerr{%
14597 \@latex@warning{%
14598 \string\BreakBibliography\space at begin of 'thebibliography'
14599 environment\MessageBreak
14600 or following \string\BreakBibliography}%
14601 }%
14602 \else
14603 \def\@noitemerr{%
14604 \@latex@warning{%
14605 Empty 'thebibliography' environment or
14606 \string\BreakBibliography\MessageBreak
14607 before end of 'thebibliography' environment}%
14608 }%
14609 \fi
14610 \endlist
14611 \if@bib@break@

```

```

14612 \else
14613 \bib@after@hook
14614 \let\bib@before@hook\@empty
14615 \let\bib@after@hook\@empty
14616 \fi
14617 \bib@endhook
14618 }
14619 \renewcommand*\left@footnoterule{%
14620 \kern-3\p@
14621 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14622 \hrule\@width.4\columnwidth
14623 \kern 2.6\p@}
14624 \renewcommand*\right@footnoterule{%
14625 \hbox to \columnwidth
14626 {\beginR \vbox{%
14627 \kern-3\p@
14628 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14629 \hrule\@width.4\columnwidth
14630 \kern 2.6\p@}\hfil\endR}}
14631 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
14632 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
14633 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
14634 \renewcommand\marginline[1]{%
14635 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
14636 }
14637 \renewcommand{\@makecaption}[3]{%
14638 \cap@margin
14639 \ifonelinecaptions
14640 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
14641 \let\scr@tmp@footnotetext=\@footnotetext
14642 \let\@footnotetext=\@gobble
14643 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
14644 \let\@LTRfootnotetext=\@gobble
14645 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
14646 \let\@RTLfootnotetext=\@gobble
14647 \sbox\@tempboxa{%
14648 {\capfont{\strut\ignorespaces
14649 #1{\caplabelfont{#2\captionformat}}}%
14650 #3\unskip\strut}}%
14651 }%
14652 \let\@footnotetext=\scr@tmp@footnotetext
14653 \let\scr@tmp@footnotetext=\undefined
14654 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
14655 \let\scr@tmp@LTRfootnotetext=\undefined
14656 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
14657 \let\scr@tmp@RTLfootnotetext=\undefined
14658 \setcounter{footnote}{\@tempcntb}%
14659 \setcounter{mpfootnote}{\@tempcnta}%
14660 \else
14661 \sbox\@tempboxa{\hspace*{2\cap@width}}%

```



```

14662 \fi
14663 \begingroup%
14664 \setlength{\@tempdima}{\cap@width}%
14665 \ifdim \wd\@tempboxa >\@tempdima
14666 \hb@xt@\hsize{%
14667 \setbox\@tempboxa\vbox{\hsize=\cap@width
14668 \ifdofullc@p
14669 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
14670 #1{\caplabelfont{#2\captionformat}}}}}%
14671 {#3\unskip\strut\par}}}%
14672 \else%
14673 \ifdim\cap@indent<\z@
14674 {\capfont{\strut\ignorespaces
14675 #1{\caplabelfont{#2\captionformat\par}}}%
14676 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
14677 \else%
14678 \if@capbreak
14679 {\capfont{\strut\ignorespaces
14680 #1{\caplabelfont{#2\captionformat\par}}}%
14681 \noindent\@hangfrom{\hspace*\cap@indent}{#3\par}}}%
14682 \else
14683 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*\cap@indent}}%
14684 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
14685 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
14686 \fi
14687 \fi
14688 \fi
14689 }%
14690 \setlength{\@tempdima}{\ht\@tempboxa}%
14691 \addtolength{\@tempdima}{\dp\@tempboxa}%
14692 \addtolength{\@tempdima}{-\ht\strutbox}%
14693 \ht\@tempboxa\ht\strutbox
14694 \dp\@tempboxa\@tempdima
14695 \strut\cap@left
14696 \box\@tempboxa
14697 \cap@right\strut
14698 }%
14699 \else
14700 \global \@minipagefalse
14701 \sbox\@tempboxa{%
14702 {\capfont{\scr@smashdp{\strut\ignorespaces
14703 #1{\caplabelfont{#2\captionformat}}}}}%
14704 #3}}%
14705 }%
14706 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\c
14707 \fi
14708 \endgroup
14709 }
14710 \renewcommand{\@makecaption}[2]{%
14711 \if@captionabove

```

```

14712 \vskip\belowcaptionskip
14713 \else
14714 \vskip\abovecaptionskip
14715 \fi
14716 \@@makecaption\@firstofone{#1}{#2}%
14717 \if@captionabove
14718 \vskip\abovecaptionskip
14719 \else
14720 \vskip\belowcaptionskip
14721 \fi
14722 }

```

7.101 sidecap-xetex-bidi.def

```

14723 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for XeTeX]
14724 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
14725 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
14726 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
14727 \renewcommand*{\SC@justify@caption}{\if@RTL%
14728 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
14729 \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

7.102 stabular-xetex-bidi.def

```

14730 \ProvidesFile{stabular-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for stabular package for XeTeX]
14731 \def\@stabular{\if@RTL\@RTLtabtrue\fi
14732 \leavevmode \bgroup \if@RTLtab\beginR \fi
14733 \let\@acol\@tabacol
14734 \let\@classz\@tabclassz
14735 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
14736 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
14737 \egroup \if@RTLtab\endR\fi\egroup
14738 \@RTLtabfalse}
14739 \expandafter \let \csname endstabular*\endcsname = \endstabular
14740 \def\@sarray[#1]#2{%
14741 \bgroup
14742 \setbox\@arstrutbox\hbox{%
14743 \vrule \@height\arraystretch\ht\strutbox
14744 \@depth\arraystretch \dp\strutbox
14745 \@width\z@}%
14746 \mkpream{#2}%
14747 \edef\@preamble{%
14748 \ialign \noexpand\@halignto
14749 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
14750 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
14751 \let\@tabularnewline\\%
14752 \let\@sharp##%
14753 \set@typeset@protect
14754 \lineskip\z@skip\baselineskip\z@skip
14755 \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
14756 \@preamble}

```

7.103 subfigure-xetex-bidi.def

```
14757 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
14758 \AtBeginDocument{%
14759 \let\p@subfigure=\thefigure
14760 \let\p@subtable=\thetable%
14761 }
```

7.104 tabs-xetex-bidi.def

```
14762 \ProvidesFile{tabs-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for tabs package for XeTeX]
14763 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup
14764 \qquad\qquad\qquad \@RTLtabfalse}
14765
14766 \expandafter\let\csname endtabular*\endcsname=\endtabular
14767
14768 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
14769 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
14770 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
14771
14772 \def\@array[#1]#2{% remember global variables to allow recursion:
14773 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
14774 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
14775 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
14776 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
14777 \else \let\@tarlinesep\tablinesep \fi
14778 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
14779 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
14780 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
14781 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
14782 \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@@size
14783 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
14784 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
14785 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
14786 \let\protect\noexpand
14787 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
14788 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
14789 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
14790 \if#1t\top \else \if#1b\box \else \vcenter \fi\fi
14791 \bgroup \let\par\empty
14792 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
14793 \advance\extrarulesep.5\arrayrulewidth
14794 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
14795 \if@RTLtab\hbox\bgroup\beginR\box\box\bgroup\fi
14796 \@preamble}
```

7.105 tabulary-xetex-bidi.def

```
14797 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
14798 \def\@testpach{\@chclass
14799 \ifnum \@lastchclass=6 \@ne \@cnum \@ne \else
14800 \ifnum \@lastchclass=7 5 \else
```

```

14801 \ifnum \@lastchclass=8 \tw@ \else
14802 \ifnum \@lastchclass=9 \thr@@
14803 \else \z@
14804 \ifnum \@lastchclass = 10 \else
14805 \edef\@nextchar{\expandafter\string\@nextchar}%
14806 \@chnum
14807 \if \@nextchar c\z@ \else
14808 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
14809 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
14810 \if \@nextchar C7 \else
14811 \if \@nextchar L8 \else
14812 \if \@nextchar R9 \else
14813 \if \@nextchar J10 \else
14814 \z@ \@chclass
14815 \if\@nextchar |\@ne \else
14816 \if \@nextchar !6 \else
14817 \if \@nextchar @7 \else
14818 \if \@nextchar <8 \else
14819 \if \@nextchar >9 \else
14820 10
14821 \@chnum
14822 \if \@nextchar m\thr@@\else
14823 \if \@nextchar p4 \else
14824 \if \@nextchar b5 \else
14825 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
14826 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

7.106 titlesec-xetex-bidi.def

```

14827 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
14828 \renewcommand\filright{%
14829 \gdef\ttl@filleft##1{\hskip##1}%
14830 \gdef\ttl@filright##1{\hfill}%
14831 \let\\\@centercr
14832 \advance\rightskip\z@ \@plus 1fil
14833 \parfillskip\z@}
14834 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
14835 \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
14836 \setlength\leftskip{#6}%
14837 \setlength\rightskip{#7}%
14838 \interlinepenalty\@M
14839 \ttl@change@centercr
14840 \ttl@beginlongest
14841 #1{\ifhmode\ttl@hmode@error\fi
14842 \ttl@glcmds
14843 \parindent\z@
14844 \leavevmode
14845 \begingroup
14846 \ifttl@label
14847 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%

```

```

14848         \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
14849         \llap{\box\z@}%
14850         \fi
14851         #4{#8}%
14852         \kern\z@\strut\@@par
14853     \endgroup
14854     \nobreak\ttl@midlongest#5\@@par}%
14855 \ttl@endlongest}

```

7.107 titletoc-xetex-bidi.def

```

14856 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
14857 \renewcommand\filright{%
14858   \gdef\ttl@filleft##1{\hskip##1}%
14859   \gdef\ttl@filright##1{\hfill}%
14860   \let\\\@centercr
14861   \advance\rightskip\z@ \@plus 1fil
14862   \parfillskip\z@}
14863 \renewcommand\contentspush[1]{%
14864   \sbox\z@{#1}%
14865   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
14866   \aftergroup\ttl@b
14867   \leavevmode\llap{\box\z@}}
14868 \def\ttl@outnoblock#1#2#3{%
14869   \begingroup
14870   \ifnum\ttl@b>\ttl@a
14871     \nobreak
14872   \else\ifnum\ttl@b<\ttl@a
14873     \addpenalty{\@secpenalty}%
14874   \else
14875     \addpenalty{\z@}%
14876   \fi\fi
14877   \ttl@contentsstretch
14878   \nobreak
14879   \ifcase#1\relax\else\interlinepenalty\@M\fi
14880   \parindent\z@
14881   \ifx\@nil#2%
14882     \PackageError{titletoc}{Unimplemented}%
14883     {The optional argument is currently mandatory}%
14884   \else
14885     \if@RTL\setlength\rightskip{#2}\else
14886       \setlength\leftskip{#2}\fi%
14887   \fi
14888   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
14889   \let\contentsmargin\ttl@margin
14890   \def\ttl@makeline##1{##1}%
14891   #3%
14892   \addtolength{\parfillskip}{-\ttl@corr}%
14893   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
14894   \let\ttl@leaders\leaders}

```

```

14895 \renewcommand\ttl@margin[2][\z@]{%
14896   \def\ttl@corr{#1}%
14897   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
14898   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
14899   \def\@pnumwidth{#2}}
14900 \let\ttl@savel@part\l@part
14901 \def\l@part{\ttl@lselect{part}}
14902
14903 \let\ttl@savel@chapter\l@chapter
14904 \def\l@chapter{\ttl@lselect{chapter}}

```

7.108 tocibind-xetex-bidi.def

```

14905 \ProvidesFile{tocibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocibind package]
14906 \if@dotocbib
14907   \ifpackageloaded{natbib}{\% natbib not loaded
14908     \renewcommand{\bibsection}{\tcb@bchapsec}
14909     \renewenvironment{thebibliography}[1]{%
14910       \bibsection
14911       \begin{thebibitemlist}{#1}\end{thebibitemlist}}{
14912 \renewenvironment{thebibitemlist}[1]{
14913   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14914   \list{\@biblabel{\@arabic{c@enumiv}}}%
14915     {\settowidth\labelwidth{\@biblabel{#1}}%
14916       \leftmargin\labelwidth
14917       \advance\leftmargin\labelsep
14918       \openbib@code
14919       \usecounter{enumiv}%
14920       \let\p@enumiv\@empty
14921       \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
14922   \sloppy
14923   \clubpenalty4000
14924   \@clubpenalty \clubpenalty
14925   \widowpenalty4000%
14926   \sfcode'\.\@m}
14927   {\def\@noitemerr
14928     {\@latex@warning{Empty 'thebibliography' environment}}}%
14929   \endlist}
14930
14931   \ifpackagewith{chapterbib}{sectionbib}%
14932     {\renewcommand{\sectionbib}[2]{}}%
14933     {}
14934
14935 \fi
14936 \if@inltxdoc\else
14937   \renewenvironment{theindex}%
14938     {\if@twocolumn
14939       \restonecolfalse
14940       \else
14941         \restonecoltrue

```

```

14942 \fi
14943 \if@bibchapter
14944 \if@donumindex
14945 \refstepcounter{chapter}
14946 \twocolumn[\vspace*{2\topskip}%
14947 \makechapterhead{\indexname}}%
14948 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
14949 \chaptermark{\indexname}
14950 \else
14951 \if@dotocind
14952 \twocolumn[\vspace*{2\topskip}%
14953 \makeschapterhead{\indexname}}%
14954 \prw@mkboth{\indexname}
14955 \addcontentsline{toc}{chapter}{\indexname}
14956 \else
14957 \twocolumn[\vspace*{2\topskip}%
14958 \makeschapterhead{\indexname}}%
14959 \prw@mkboth{\indexname}
14960 \fi
14961 \fi
14962 \else
14963 \if@donumindex
14964 \twocolumn[\vspace*{-1.5\topskip}%
14965 \nameuse{\@tocextra}{\indexname}}%
14966 \csname \@tocextra mark\endcsname{\indexname}
14967 \else
14968 \if@dotocind
14969 \twocolumn[\vspace*{-1.5\topskip}%
14970 \toc@headstar{\@tocextra}{\indexname}}%
14971 \prw@mkboth{\indexname}
14972 \addcontentsline{toc}{\@tocextra}{\indexname}
14973 \else
14974 \twocolumn[\vspace*{-1.5\topskip}%
14975 \toc@headstar{\@tocextra}{\indexname}}%
14976 \prw@mkboth{\indexname}
14977 \fi
14978 \fi
14979 \fi
14980 \thispagestyle{plain}\parindent\z@
14981 \parskip\z@ \@plus .3\p@\relax
14982 \let\item\@idxitem}
14983 {\if@restonecol\onecolumn\else\clearpage\fi}
14984 \fi

```

7.109 tocloft-xetex-bidi.def

```

14985 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for xetex]
14986 \let\cftdot\@SepMark
14987 \if@cfthaspart
14988 \renewcommand*{\l@part}[2]{

```

```

14989 \@cftdopartfalse
14990 \ifnum \c@tocdepth >-2\relax
14991   \if@cfthaschapter
14992     \@cftdoparttrue
14993   \fi
14994   \ifnum \c@tocdepth >\m@ne
14995     \if@cfthaschapter\else
14996       \@cftdoparttrue
14997     \fi
14998   \fi
14999 \fi
15000 \if@cftdopart
15001   \if@cfthaschapter
15002     \addpenalty{-\@highpenalty}
15003   \else
15004     \addpenalty\@secpenalty
15005   \fi
15006   \addvspace{\cftbeforepartskip}
15007   \begingroup
15008     {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
15009     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
15010     \parfillskip -\if@RTL\leftskip\else\righskip\fi
15011     \parindent \cftpartindent\relax\@afterindenttrue
15012     \interlinepenalty\@M
15013     \leavevmode
15014     \@tempdima \cftpartnumwidth\relax
15015     \let\@cftbsnum \cftpartpresnum
15016     \let\@cftasnum \cftpartaftersnum
15017     \let\@cftasnumb \cftpartaftersnumb
15018     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
15019     {\cftpartfont \cftpartpresnum #1}
15020     \cftpartfillnum{#2}}
15021   \nobreak
15022   \if@cfthaschapter
15023     \global\@nobreaktrue
15024     \everypar{\global\@nobreakfalse\everypar{}}
15025   \else
15026     \if@compatibility
15027       \global\@nobreaktrue
15028       \everypar{\global\@nobreakfalse\everypar{}}
15029     \fi
15030   \fi
15031 \endgroup
15032 \fi}
15033 \fi
15034 \if@cfthaschapter
15035 \renewcommand*{\l@chapter}[2]{
15036   \ifnum \c@tocdepth >\m@ne
15037     \addpenalty{-\@highpenalty}
15038     \vskip \cftbeforechapskip

```



```

15039     {\if@RTL\rightrightskip\else\leftskip\fi \cftchapindent\relax
15040     \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
15041     \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
15042     \parindent \cftchapindent\relax\@afterindenttrue
15043     \interlinepenalty\@M
15044     \leavevmode
15045     \@tempdima \cftchapnumwidth\relax
15046     \let\@cftbsnum \cftchappresnum
15047     \let\@cftasnum \cftchapaftersnum
15048     \let\@cftasnumb \cftchapaftersnumb
15049     \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
15050     {\cftchapfont #1}\nobreak
15051     \cftchapfillnum{#2}}
15052   \fi}
15053 \fi
15054 \renewcommand*{\l@section}[2]{%
15055   \ifnum \c@tocdepth >\z@
15056     \if@cfthaschapter
15057       \vskip \cftbeforesecskip
15058     \else
15059       \addpenalty\@secpenalty
15060       \addvspace{\cftbeforesecskip}
15061     \fi
15062     {\if@RTL\rightrightskip\else\leftskip\fi \cftsecindent\relax
15063     \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
15064     \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
15065     \parindent \cftsecindent\relax\@afterindenttrue
15066     \interlinepenalty\@M
15067     \leavevmode
15068     \@tempdima \cftsecnumwidth\relax
15069     \let\@cftbsnum \cftsecpresnum
15070     \let\@cftasnum \cftsecaftersnum
15071     \let\@cftasnumb \cftsecaftersnumb
15072     \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
15073     {\cftsecfont #1}\nobreak
15074     \cftsecfillnum{#2}}
15075   \fi}
15076 \renewcommand*{\l@subsection}[2]{%
15077   \ifnum \c@tocdepth >\@ne
15078     \vskip \cftbeforesubsecskip
15079     {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsecindent\relax
15080     \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
15081     \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
15082     \parindent \cftsubsecindent\relax\@afterindenttrue
15083     \interlinepenalty\@M
15084     \leavevmode
15085     \@tempdima \cftsubsecnumwidth\relax
15086     \let\@cftbsnum \cftsubsecpresnum
15087     \let\@cftasnum \cftsubsecaftersnum
15088     \let\@cftasnumb \cftsubsecaftersnumb

```

```

15089 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
15090 {\cftsubsecfont #1}\nobreak
15091 \cftsubsecfillnum{#2}}
15092 \fi}
15093 \renewcommand*{\l@subsubsection}[2]{%
15094 \ifnum \c@tocdepth >\tw@
15095 \vskip \cftbeforesubsubsecskip
15096 {\if@RTL\righskip\else\leftskip\fi \cftsubsubsecindent\relax
15097 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
15098 \parfillskip -\if@RTL\leftskip\else\righskip\fi
15099 \parindent \cftsubsubsecindent\relax\@afterindenttrue
15100 \interlinepenalty\@M
15101 \leavevmode
15102 \@tempdima \cftsubsubsecnumwidth\relax
15103 \let\@cftbsnum \cftsubsubsecpresnum
15104 \let\@cftasnum \cftsubsubsecaftersnum
15105 \let\@cftasnumb \cftsubsubsecaftersnumb
15106 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
15107 {\cftsubsubsecfont #1}\nobreak
15108 \cftsubsubsecfillnum{#2}}
15109 \fi}
15110 \renewcommand*{\l@paragraph}[2]{%
15111 \ifnum \c@tocdepth >3\relax
15112 \vskip \cftbeforeparaskip
15113 {\if@RTL\righskip\else\leftskip\fi \cftparaindent\relax
15114 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
15115 \parfillskip -\if@RTL\leftskip\else\righskip\fi
15116 \parindent \cftparaindent\relax\@afterindenttrue
15117 \interlinepenalty\@M
15118 \leavevmode
15119 \@tempdima \cftparanumwidth\relax
15120 \let\@cftbsnum \cftparapresnum
15121 \let\@cftasnum \cftparaaftersnum
15122 \let\@cftasnumb \cftparaaftersnumb
15123 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
15124 {\cftparafont #1}\nobreak
15125 \cftparafillnum{#2}}
15126 \fi}
15127 \renewcommand*{\l@subparagraph}[2]{%
15128 \ifnum \c@tocdepth >4\relax
15129 \vskip \cftbeforesubparaskip
15130 {\if@RTL\righskip\else\leftskip\fi \cftsubparaindent\relax
15131 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
15132 \parfillskip -\if@RTL\leftskip\else\righskip\fi
15133 \parindent \cftsubparaindent\relax\@afterindenttrue
15134 \interlinepenalty\@M
15135 \leavevmode
15136 \@tempdima \cftsubparanumwidth\relax
15137 \let\@cftbsnum \cftsubparapresnum
15138 \let\@cftasnum \cftsubparaaftersnum

```

```

15139 \let\@cftasnumb \cftsubparaaftersnumb
15140 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
15141 {\cftsubparafont #1}\nobreak
15142 \cftsubparafillnum{#2}}
15143 \fi}
15144 \renewcommand*{\l@figure}[2]{%
15145 \ifnum \c@lofdepth >\z@
15146 \vskip \cftbeforefigskip
15147 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
15148 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15149 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15150 \parindent \cftfigindent\relax\@afterindenttrue
15151 \interlinepenalty\@M
15152 \leavevmode
15153 \@tempdima \cftfignumwidth\relax
15154 \let\@cftbsnum \cftfigpresnum
15155 \let\@cftasnum \cftfigaftersnum
15156 \let\@cftasnumb \cftfigaftersnumb
15157 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
15158 {\cftfigfont #1}\nobreak
15159 \cftfigfillnum{#2}}
15160 \fi
15161 }
15162 \renewcommand*{\l@table}[2]{%
15163 \ifnum\c@lotdepth >\z@
15164 \vskip \cftbeforetabskip
15165 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
15166 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15167 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15168 \parindent \cfttabindent\relax\@afterindenttrue
15169 \interlinepenalty\@M
15170 \leavevmode
15171 \@tempdima \cfttabnumwidth\relax
15172 \let\@cftbsnum \cfttabpresnum
15173 \let\@cftasnum \cfttabaftersnum
15174 \let\@cftasnumb \cfttabaftersnumb
15175 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
15176 {\cfttabfont #1}\nobreak
15177 \cfttabfillnum{#2}}
15178 \fi
15179 }
15180 \renewcommand{\@cftl@subfig}{
15181 \renewcommand*{\l@subfigure}[2]{%
15182 \ifnum \c@lofdepth > \toclevel@subfigure
15183 \vskip \cftbeforesubfigskip
15184 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
15185 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15186 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15187 \parindent \cftsubfigindent\relax\@afterindenttrue
15188 \interlinepenalty\@M

```

```

15189 \leavevmode
15190 \@tempdima \cftsubfignumwidth\relax
15191 \let\@cftbsnum \cftsubfigpresnum
15192 \let\@cftasnum \cftsubfigaftersnum
15193 \let\@cftasnumb \cftsubfigaftersnumb
15194 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
15195 {\cftsubfigfont ##1}\nobreak
15196 \cftsubfigfillnum{##2}}
15197 \fi
15198 }
15199 }
15200 \renewcommand{\@cftl@subtab}{
15201 \renewcommand*{\l@subtable}[2]{%
15202 \ifnum \c@lotdepth > \toclevel@subtable
15203 \vskip \cftbeforesubtabskip
15204 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
15205 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15206 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15207 \parindent \cftsubtabindent\relax\@afterindenttrue
15208 \interlinepenalty\@M
15209 \leavevmode
15210 \@tempdima \cftsubtabnumwidth\relax
15211 \let\@cftbsnum \cftsubtabpresnum
15212 \let\@cftasnum \cftsubtabaftersnum
15213 \let\@cftasnumb \cftsubtabaftersnumb
15214 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
15215 {\cftsubtabfont ##1}\nobreak
15216 \cftsubtabfillnum{##2}}
15217 \fi
15218 }
15219 }
15220 \renewcommand{\newlistentry}[4][\@empty]{%
15221 \@ifundefined{c@#2}{% check & set the counter
15222 \ifx \@empty#1\relax
15223 \newcounter{#2}
15224 \else
15225 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
15226 {#1 has no counter for use as a 'within'}
15227 \newcounter{#2}}%
15228 {\newcounter{#2}[#1]%
15229 \expandafter\edef\csname the#2\endcsname{%
15230 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
15231 \fi
15232 \setcounter{#2}{0}
15233 }
15234 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
15235
15236 \@namedef{l@#2}##1##2{%
15237 \ifnum \@nameuse{c@#3depth} > #4\relax
15238 \vskip \@nameuse{cftbefore#2skip}

```

```

15239 {\if@RTL\righskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
15240 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
15241 \parfillskip -\if@RTL\leftskip\else\righskip\fi
15242 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
15243 \interlinepenalty\@M
15244 \leavevmode
15245 \@tempdima \@nameuse{cft#2numwidth}\relax
15246 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
15247 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
15248 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
15249 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\righ
15250 {\@nameuse{cft#2font}##1}\nobreak
15251 \@nameuse{cft#2fillnum}{##2}}
15252 \fi
15253 } % end of \l@#2
15254
15255 \expandafter\newlength\csname cftbefore#2skip\endcsname
15256 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
15257 \expandafter\newlength\csname cft#2indent\endcsname
15258 \expandafter\newlength\csname cft#2numwidth\endcsname
15259 \ifcase #4\relax % 0
15260 \setlength{\@nameuse{cft#2indent}}{0em}
15261 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
15262 \or % 1
15263 \setlength{\@nameuse{cft#2indent}}{1.5em}
15264 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
15265 \or % 2
15266 \setlength{\@nameuse{cft#2indent}}{3.8em}
15267 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
15268 \or % 3
15269 \setlength{\@nameuse{cft#2indent}}{7.0em}
15270 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
15271 \else % anything else
15272 \setlength{\@nameuse{cft#2indent}}{10.0em}
15273 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
15274 \fi
15275 \@namedef{cft#2font}{\normalfont}
15276 \@namedef{cft#2presnum}{\}
15277 \@namedef{cft#2aftersnum}{\}
15278 \@namedef{cft#2aftersnumb}{\}
15279 \@namedef{cft#2dotsep}{\cftdotsep}
15280 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
15281 \@namedef{cft#2pagefont}{\normalfont}
15282 \@namedef{cft#2afterpnum}{\}
15283 \@namedef{toclevel@#2}{#4}
15284 \@namedef{cft#2fillnum}##1{%
15285 {\@nameuse{cft#2leader}}\nobreak
15286 \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
15287 } % end \newlistentry
15288 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%

```

```

15289 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
15290 \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
15291 \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
15292 \textit{#1}\protect\par}}

```

7.110 tocstyle-xetex-bidi.def

```

15293 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
15294 \renewcommand*{\tocstyle@dottedtocline}[5]{%
15295   \let\numberline\tocstyle@numberline
15296   \ifnum #1>\c@tocdepth \else
15297     \if@tocstyle@penalties
15298       \begingroup
15299         \@tempcnta 20010
15300         \advance \@tempcnta by -#1
15301         \ifnum \@tempcnta>\lastpenalty
15302           \aftergroup\penalty\aftergroup\@lowpenalty
15303         \fi
15304       \endgroup
15305     \fi
15306     \edef\tocstyledepth{#1}%
15307     \tocstyle@activate@features
15308     \ifx\tocstyle@feature@entryvskip\relax
15309       \vskip \z@ \@plus.2\p@
15310     \else
15311       \addvspace{\tocstyle@feature@entryvskip}%
15312     \fi
15313     {%
15314       \parskip \z@ \parindent \z@ \if@RTL\righskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\righskip\fi
15315       \tocstyle@feature@raggedhook
15316       \@tempdima #3\relax
15317       \@tempdimb #2\relax
15318       \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
15319       \ifnum #1>\z@\relax
15320         \@tempcnta #1\relax \advance\@tempcnta \m@ne
15321         \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
15322           \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
15323             \@tempdimb
15324             \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
15325             \advance\@tempdimb
15326             \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
15327           \fi
15328         \fi
15329       \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
15330       \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
15331         \ifdim \@tempdimb>
15332           \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
15333           \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
15334             @#1\endcsname{\the\@tempdimb}%
15335         \fi

```

```

15336         \fi
15337     \else
15338         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
15339             @#1\endcsname{\the\@tempdimb}%
15340     \fi
15341     \iftocstyle@autolength
15342         \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
15343             \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
15344             \relax
15345         \fi
15346         \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
15347             \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
15348             \relax
15349         \fi
15350         \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
15351         \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
15352     \else
15353         \@tempdimb #2\relax
15354         \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
15355     \fi
15356     \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
15357         \ifdim \@tempdima>
15358             \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
15359             \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
15360                 @\endcsname{\the\@tempdima}%
15361         \fi
15362     \else
15363         \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
15364             @\endcsname{\the\@tempdima}%
15365     \fi
15366     \ifcase\tocstyle@indentstyle\relax\else
15367         \@tempdimb \z@
15368         \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
15369             \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
15370             \relax
15371         \fi
15372         \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
15373         \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
15374     \fi
15375     \advance\parindent \@tempdimb\@afterindenttrue
15376     \advance\if@RTL\rightskip\else\leftskip\fi \parindent
15377     \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15378     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15379     \ifx\tocstyle@feature@parfillskip\relax\else
15380         \advance\parfillskip \tocstyle@feature@parfillskip\relax
15381     \fi
15382     \interlinepenalty\@M
15383     \leavevmode
15384     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
15385     \null\nobreak

```

```

15386 \iftocstyle@indentnotnumbered\else
15387 \hskip -\if@RTL\rightskip\else\leftskip\fi
15388 \fi
15389 \tocstyle@feature@entryhook
15390 {#4}\nobreak
15391 \ifx\tocstyle@feature@leaders\relax
15392 \leaders\hbox{$\m@th
15393 \mkern \dotsep mu\hbox{\tocstyle@feature@dothook .}%
15394 \mkern \dotsep mu$}\hfill
15395 \else
15396 \tocstyle@feature@leaders
15397 \fi
15398 \nobreak
15399 \ifx\tocstyle@feature@pagenumberbox\relax
15400 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
15401 \else
15402 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
15403 \fi
15404 \par
15405 }%
15406 \if@tocstyle@penalties
15407 \bgroup
15408 \@tempcnta 20009
15409 \advance\@tempcnta by -#1
15410 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
15411 \reserved@a
15412 \fi
15413 \fi}
15414 \renewcommand*{\tocstyle@numberline}[1]{%
15415 \begingroup
15416 \ifx\tocstyle@feature@spaceafternumber\relax
15417 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
15418 \else
15419 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
15420 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
15421 \fi
15422 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
15423 \ifdim \@tempdima >
15424 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
15425 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
15426 @\tocstyledepth\endcsname{\the\@tempdima}%
15427 \fi
15428 \else
15429 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
15430 @\tocstyledepth\endcsname{\the\@tempdima}%
15431 \fi
15432 \endgroup
15433 \iftocstyle@indentnotnumbered
15434 \hskip -\if@RTL\rightskip\else\leftskip\fi
15435 \fi

```



```

15436 \ifcase \tocstyle@indentstyle
15437   \hb@xt@{\tempdima{\tocstyle@@numberline{#1}\hfil}}%
15438 \or
15439   \hb@xt@{\tempdima{\tocstyle@@numberline{#1}\hfil}}%
15440 \else
15441   \ifx\tocstyle@feature@spaceafternumber\relax
15442     \hbox{\tocstyle@@numberline{#1}\enskip}%
15443   \else
15444     \hbox{\tocstyle@@numberline{#1}\hskip
15445       \tocstyle@feature@spaceafternumber\relax}%
15446   \fi
15447 \fi
15448 }
15449 \AtBeginDocument{%
15450   \ifcsname l@part\endcsname
15451     \ifcsname l@chapter\endcsname
15452       \setbox\@tempboxa\vbox{\hsize\maxdimen
15453         \l@part{\tocstyle@l@define{part}{-1}}{}}%
15454     \else
15455       \setbox\@tempboxa\vbox{\hsize\maxdimen
15456         \l@part{\tocstyle@l@define{part}{0}}{}}%
15457     \fi
15458 \fi
15459 \ifcsname l@chapter\endcsname
15460   \setbox\@tempboxa\vbox{\hsize\maxdimen
15461     \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
15462 \fi
15463 \ifcsname l@section\endcsname
15464   \setbox\@tempboxa\vbox{\hsize\maxdimen
15465     \l@section{\tocstyle@l@define{section}{1}}{}}%
15466 \fi
15467 \ifcsname l@subsection\endcsname
15468   \setbox\@tempboxa\vbox{\hsize\maxdimen
15469     \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
15470 \fi
15471 \ifcsname l@subsubsection\endcsname
15472   \setbox\@tempboxa\vbox{\hsize\maxdimen
15473     \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
15474 \fi
15475 \ifcsname l@paragraph\endcsname
15476   \setbox\@tempboxa\vbox{\hsize\maxdimen
15477     \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
15478 \fi
15479 \ifcsname l@subparagraph\endcsname
15480   \setbox\@tempboxa\vbox{\hsize\maxdimen
15481     \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
15482 \fi
15483 \ifcsname l@table\endcsname
15484   \setbox\@tempboxa\vbox{\hsize\maxdimen
15485     \l@table{\tocstyle@l@define{table}{1}}{}}%

```

```

15486 \fi
15487 \ifcsname l@figure\endcsname
15488 \setbox\@tempboxa\vbox{\hsize\maxdimen
15489 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
15490 \fi
15491 \def\@tempa#1#2#3#4#5{%
15492 \ifnum #1>\c@tocdepth \else
15493 \vskip \z@ \@plus.2\p@
15494 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrm
15495 \parindent #2\relax\@afterindenttrue
15496 \interlinepenalty\@M
15497 \leavevmode
15498 \@tempdima #3\relax
15499 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
15500 {#4}\nobreak
15501 \leaders\hbox{$\m@th
15502 \mkern \dotsep mu\hbox{.}\mkern \dotsep
15503 mu$}\hfill
15504 \nobreak
15505 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
15506 \par}%
15507 \fi}%
15508 \ifx\@dottedtocline\@tempa\else
15509 \tocstyle@macrochangewarning\@dottedtocline
15510 \fi
15511 \let\tocstyle@saved@dottedtocline\@dottedtocline
15512 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
15513 \ifx\numberline\@tempa\else
15514 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
15515 \ifx\numberline\@tempa\else
15516 \tocstyle@macrochangewarning\numberline
15517 \fi
15518 \fi
15519 \let\tocstyle@saved@numberline\numberline
15520 }
15521 \renewcommand*{\tocstyle@l@define}[2]{%
15522 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
15523 \edef\@tempa{%
15524 \noexpand\global\noexpand\let
15525 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
15526 \expandafter\noexpand\csname l@#1\endcsname
15527 \noexpand\gdef
15528 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
15529 \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
15530 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@%
15531 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
15532 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
15533 }%
15534 }%
15535 \PackageInfo{tocstyle}{prepare \expandafter\string

```

```

15536 \csname l@#1\endcsname\space for redefinition}%
15537 \@tempa
15538 }

```

7.111 wrapfig-xetex-bidi.def

```

15539 \ProvidesFile{wrapfig-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for wrapfig package for
15540 \let\WF@everypar\bidi@everypar
15541 \def\WF@putfigmaybe{%
15542 \ifinner
15543 \vskip-\parskip \global\WF@floatfalse
15544 \let\pagetotal\maxdimen % kludge flag for "not top of page"
15545 \else % outer page
15546 \@tempdima\pagedepth % save page depth
15547 {\advance\parskip\if@RTL\baselineskip\else\@tempdima\fi\vskip-\parskip}% back up to baseline
15548 \penalty\interlinepenalty % update pg. parameters
15549 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
15550 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
15551 \global\WF@floatfalse
15552 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
15553 \else
15554 \ifdim\WF@size>\@tempdimb
15555 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
15556 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
15557 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
15558 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
15559 \advance\dimen@.5\baselineskip
15560 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
15561 \global\WF@floatfalse \pagebreak
15562 \fi
15563 \else % \WF@info{Fits in \the\@tempdimb;}%
15564 \global\WF@floatfalse
15565 \fi\fi
15566 \vskip\@tempdima\relax % (return erased page depth)
15567 \fi
15568 \noindent
15569 \ifWF@float
15570 \WF@fltmes
15571 \else % putting here;
15572 \WF@info{Put \WF@wfname here:}%
15573 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
15574 \lccode'i'l\lccode'o'r\else \lccode'i'r\lccode'o'l\fi
15575 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
15576 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
15577 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
15578 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
15579 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
15580 \xdef\WF@adjlw{\the\@tempdima}%
15581 \ifnum 'l=\WF@place % fig on left
15582 \if@RTL%

```

```

15583 \kern\@tempdimb \kern\columnsep
15584 \def\@tempa{\hss}% position to left of the gap
15585 \else%
15586 \hss % figure overlaps space to the left
15587 \def\@tempa{\kern\columnsep}% position to left of the gap
15588 \fi%
15589 \else % fig on right
15590 \if@RTL%
15591 \hss
15592 \@tempdima\z@
15593 \def\@tempa{\kern\columnsep}
15594 \else%
15595 \@tempdima\z@ % no left indentation
15596 \kern\@tempdimb \kern\columnsep
15597 \def\@tempa{\hss}% figure overlaps space to the right
15598 \fi%
15599 \fi
15600 \ifdim\@tempdimb<\hsize
15601 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
15602 \xdef\WF@adjtlm{\the\@tempdima}%
15603 \else
15604 \xdef\WF@wrapil{\z@ \the\hsize}%
15605 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
15606 \fi
15607 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
15608 \global\advance\WF@size-\intextsep
15609 \else % \WF@info{Putting \WF@wfname in middle of page}%
15610 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
15611 \fi \dp\WF@box\z@ \box\WF@box \@tempa
15612 }% end \hbox to 0pt
15613 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
15614 \fi}

```

7.112 xcolor-xetex-bidi.def

```

15615 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for
15616 \long\def\color@b@x#1#2#3%
15617 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
15618 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
15619 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
15620 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
15621 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
15622 \def\normalcolor{\let\currentcolor\defaultcolor\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
15623 \DeclareRobustCommand\color
15624 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]}
15625 \def\@undeclaredcolor[#1]#2%
15626 {\begingroup
15627 \let\@ccls@empty
15628 \XC@getmodclr12{#1}{#2}{}%
15629 {\ifblendcolors

```

```

15630     \ifx\colorblend\empty\else
15631         \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
15632         \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
15633     \fi
15634 \fi
15635 \ifconvertcolorsU
15636     \edef\@tmp{\XC@tgt@mod{\@mod}}%
15637     \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
15638 \fi
15639 \ifmaskcolors
15640     \convertcolorspec\@mod\@clr\XC@mmod\@clr
15641     \let\@mod\XC@mmod
15642     \XC@inflate\@mod\XC@mclr\@clr\@tmp
15643     \expandafter\XC@mul\@tmp,\@clr
15644 \fi
15645 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
15646 \expandafter\endgroup\@tmp}}
15647 \def\@declaredcolor#1%
15648 {\XC@edef\XC@tmp{#1}\XC@@tstfalse
15649 \ifcase\XC@type\XC@tmp\relax \XC@@tsttrue\or \relax\else
15650 \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
15651 \ifconvertcolorsU\XC@@tsttrue\fi
15652 \fi
15653 \ifXC@@tst
15654     \expandafter\XC@declaredcolor\else
15655     \expandafter\XC@declaredcolor\fi}
15656 \def\XC@undeclaredcolor#1#2%
15657 {\@ifundefinedmodel{#1}%
15658 {\c@lor@error{model ‘#1’}}%
15659 {\@nameuse{color@#1}\current@color{#2}}%
15660 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
15661 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
15662 \def\XC@declaredcolor
15663 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
15664 \edef\current@color{\XC@current@color}%
15665 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
15666 \DeclareRobustCommand\bidicolor
15667 {\@ifnextchar[\@bidiundeclaredcolor\@bidiundeclaredcolor}
15668 \def\@bidiundeclaredcolor[#1]#2%
15669 {\begingroup
15670 \let\@cls\empty
15671 \XC@getmodclr12{#1}{#2}{}%
15672 {\ifblendcolors
15673     \ifx\colorblend\empty\else
15674         \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
15675         \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
15676     \fi
15677 \fi
15678 \ifconvertcolorsU
15679     \edef\@tmp{\XC@tgt@mod{\@mod}}%

```

```

15680     \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
15681   \fi
15682   \ifmaskcolors
15683     \convertcolorspec\@mod\@clr\XC@mmod\@clr
15684     \let\@mod\XC@mmod
15685     \XC@inflate\@mod\XC@mclr\@clr\@tmp
15686     \expandafter\XC@mul\@tmp,\@clr
15687   \fi
15688   \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
15689   \expandafter\endgroup\@tmp}}
15690 \def\XC@bidiundeclaredcolor#1#2%
15691 {\@ifundefinedmodel{#1}%
15692  {\c@lor@error{model '1'}}%
15693  {\@nameuse{color@#1}\current@color{#2}}%
15694  \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
15695  \XC@display}}
15696 \def\@bidideclaredcolor#1%
15697 {\XC@edef\XC@tmp{#1}\XC@tstfalse
15698  \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
15699    \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
15700    \ifconvertcolorsU\XC@tsttrue\fi
15701  \fi
15702  \ifXC@tst
15703    \expandafter\XC@bidideclaredcolor\else
15704    \expandafter\XC@bidideclaredc@lor\fi}
15705 \def\XC@bidideclaredcolor
15706 {\XC@split\XC@tmp
15707  \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
15708  \expandafter\endgroup\@tmp}
15709 \def\XC@bidideclaredc@lor
15710 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
15711  \edef\current@color{\XC@current@color}%
15712  \XC@display}
15713 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
15714 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
15715 \def\color@fb@x#1#2#3#4%
15716  {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
15717  {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
15718 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.113 latex-xetex-bidi.def

```

15719 \ProvidesFile{latex-xetex-bidi.def}[2013/10/10 v1.1.5 bidi adaptations for 'latex.ltx' for X
15720 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
15721 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
15722 \TeXXeTOn
15723 \def\bidi@RTL@everypar{\if@RTL{\setbox\z@\lastbox\beginR\ifvoid\z@\else\usebox\z@\fi}\fi}
15724 \let\bidi@o@everypar=\everypar
15725 \newtoks\bidi@n@everypar
15726 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}

```

```

15727 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
15728 \let\everypar=\bidi@n@everypar
15729 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
15730 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
15731 \protected\def\hboxR{\hbox\bgroup
15732 \everyhbox{%
15733 \aftergroup\egroup
15734 \everyhbox{}}%
15735 \beginR
15736 \bgroup
15737 \aftergroup\endR
15738 \aftergroup\egroup
15739 }\hbox}
15740 \protected\def\hboxL{\hbox\bgroup
15741 \everyhbox{%
15742 \aftergroup\egroup
15743 \everyhbox{}}%
15744 \beginL
15745 \bgroup
15746 \aftergroup\endL
15747 \aftergroup\egroup
15748 }\hbox}
15749 \protected\def\vboxR{\vbox\bgroup
15750 \everyvbox{%
15751 \aftergroup\egroup
15752 \everyvbox{}}%
15753 \@RTLtrue
15754 \bgroup
15755 \aftergroup\egroup
15756 }\vbox}
15757 \protected\def\vboxL{\vbox\bgroup
15758 \everyvbox{%
15759 \aftergroup\egroup
15760 \everyvbox{}}%
15761 \@RTLfalse
15762 \bgroup
15763 \aftergroup\egroup
15764 }\vbox}
15765 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\if@bidi@list@minipage@parbox\beginL\else\if@RTLtab
15766 \def\endLTR{\par}
15767 \def\RTL{\par\@RTLtrue\@RTL@footnotettrue\hsize\linewidth\parshape\z@}
15768 \def\endRTL{\par}
15769 \def\setRTL{\@RTLtrue\@RTL@footnotettrue}
15770 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\if@bidi@list@minipage@parbox\beginL\else\if@RTLtab
15771 \let\unsetRTL=\setLTR
15772 \let\unsetLTR=\setRTL
15773 \let\LR=\LRE
15774 \let\RL=\RLE
15775 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
15776 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}

```

```

15777 \let\@ensure@RL=\@ensure@RTL
15778 \let\@ensure@LR=\@ensure@LTR
15779 \def\@ensure@dir#1{\if@RTL\RL{#1}\else{#1}\fi}
15780 \let\@ensure@maindir=\@ensure@dir
15781 \def\@@RTL{RTL}
15782 \def\@@LTR{LTR}
15783 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
15784 \def\reset@dir{\ifx\saved@dir\@@RTL\setRTL\else\ifx\saved@dir\@@LTR\setLTR\else\relax\fi}
15785 \let\@TeX\TeX
15786 \def\TeX{\@ensure@LTR{\@TeX}}
15787 \let\@LaTeX\LaTeX
15788 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
15789 \let\@LaTeXe\LaTeXe
15790 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
15791 \long\def\@bidi@reflect@box#1{%
15792   \leavevmode
15793   \setbox\z@ \hbox{#1}%
15794   \setbox\tw@ \hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
15795   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
15796 }
15797 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
15798   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
15799 \def\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
15800   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
15801 \let\setRL=\setRTL
15802 \let\setLR=\setLTR
15803 \let\unsetRL=\setLTR
15804 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
15805   \ialign{##\hfil$\quad{##}\hfil\cr#1\cr}}\right\}
15806 \def\SepMark#1{\gdef\@SepMark{\if@RTL\fi#1\if@RTL\fi}}
15807 \SepMark{.}
15808 \def\@thmcountersep{\@SepMark}
15809 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
15810 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
15811 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
15812 \def\list#1#2{%
15813   \ifnum \@listdepth >5\relax
15814     \@toodeep
15815   \else
15816     \global\advance\@listdepth\@ne
15817   \fi
15818   \rightmargin\z@
15819   \listparindent\z@
15820   \itemindent\z@
15821   \csname @list\romannumeral\the\@listdepth\endcsname
15822   \def\@itemlabel{#1}%
15823   \let\makelabel\@mklab
15824   \@nmbrowsefalse
15825   #2\relax
15826   \@trivlist

```



```

15827 \parskip\parsep
15828 \parindent\listparindent
15829 \advance\linewidth -\rightmargin
15830 \advance\linewidth -\leftmargin
15831 \if@bidi@list@minipage@parbox
15832 \if@RTL
15833 \advance\@totalleftmargin \leftmargin
15834 \else
15835 \advance\@totalleftmargin \rightmargin
15836 \fi
15837 \else
15838 \if@RTLtab
15839 \if@bidi@list@minipage@parbox@not@nob
15840 \if@RTL
15841 \advance\@totalleftmargin \rightmargin
15842 \else
15843 \advance\@totalleftmargin \leftmargin
15844 \fi
15845 \else
15846 \if@RTL
15847 \advance\@totalleftmargin \leftmargin
15848 \else
15849 \advance\@totalleftmargin \rightmargin
15850 \fi\fi
15851 \else
15852 \if@RTL
15853 \advance\@totalleftmargin \rightmargin
15854 \else
15855 \advance\@totalleftmargin \leftmargin
15856 \fi\fi\fi
15857 \parshape \@ne \@totalleftmargin \linewidth
15858 \ignorespaces}
15859 \def\@item[#1]{%
15860 \if@noperitem
15861 \@donoperitem
15862 \else
15863 \if@inlabel
15864 \indent \par
15865 \fi
15866 \ifhmode
15867 \unskip\unskip \par
15868 \fi
15869 \if@newlist
15870 \if@nobreak
15871 \@nbitem
15872 \else
15873 \addpenalty\@beginparpenalty
15874 \addvspace\@topsep
15875 \addvspace{-\parskip}%
15876 \fi

```

```

15877 \else
15878 \addpenalty\@itempenalty
15879 \addvspace\itemsep
15880 \fi
15881 \global\@inlabeltrue
15882 \fi
15883 \everypar{\if@bidi@list@minipage@parbox\if@RTL\else\beginL\fi\else\if@RTLtab\if@RTL\else\beginR\fi\fi}
15884 \@minipagefalse
15885 \global\@newlistfalse
15886 \if@inlabel
15887 \global\@inlabelfalse
15888 {\setbox\z@\lastbox
15889 \ifvoid\z@
15890 \kern-\itemindent
15891 \fi}%
15892 \box\@labels
15893 \penalty\z@
15894 \fi
15895 \if@nobreak
15896 \@nobreakfalse
15897 \clubpenalty \@M
15898 \else
15899 \clubpenalty \@clubpenalty
15900 \everypar{}%
15901 \fi}%
15902 \if@noitemarg
15903 \@noitemargfalse
15904 \if@nmbbrlist
15905 \refstepcounter\@listctr
15906 \fi
15907 \fi
15908 \sbox\@tempboxa{\makelabel{#1}}%
15909 \global\setbox\@labels\hbox{%
15910 \unhbox\@labels
15911 \hskip \itemindent
15912 \hskip -\labelwidth
15913 \hskip -\labelsep
15914 \ifdim \wd\@tempboxa >\labelwidth
15915 \box\@tempboxa
15916 \else
15917 \hbox to\labelwidth {\unhbox\@tempboxa}%
15918 \fi
15919 \hskip \labelsep}%
15920 \ignorespaces}
15921 \long\def\@iiiparbox#1#2[#3]#4#5{%
15922 \leavevmode
15923 \@pboxswfalse
15924 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
15925 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
15926 \setlength\@tempdima{#4}%

```

```

15927 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
15928 \ifx\relax#2\else
15929 \setlength\@tempdimb{#2}%
15930 \edef\@parboxto{to\the\@tempdimb}%
15931 \fi
15932 \if#1b\vbox
15933 \else\if #1t\vtop
15934 \else\ifmmode\vcenter
15935 \else\@pboxswtrue $\vcenter
15936 \fi\fi\fi
15937 \@parboxto{\let\hss\vss\let\unhbox\unvbox
15938 \csname bm@#3\endcsname}%
15939 \if@pboxsw \m@th$\fi
15940 \@end@tempboxa}
15941 \newenvironment{LTRitems}
15942 {\par\@RTLfalse
15943 \if@bidi@list@minipage@parbox
15944 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
15945 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
15946 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
15947 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
15948 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
15949 \ignorespaces}{\vskip\z@}
15950 \newenvironment{RTLitems}
15951 {\par\@RTLtrue
15952 \if@bidi@list@minipage@parbox
15953 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
15954 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
15955 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
15956 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
15957 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
15958 \ignorespaces}{\vskip\z@}
15959 \newenvironment{LTRbibitems}
15960 {\par\@RTLfalse
15961 \if@bidi@list@minipage@parbox
15962 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
15963 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
15964 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
15965 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
15966 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
15967 \ignorespaces}{\vskip\z@}
15968 \newenvironment{RTLbibitems}
15969 {\par\@RTLtrue
15970 \if@bidi@list@minipage@parbox
15971 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
15972 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
15973 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
15974 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
15975 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
15976 \ignorespaces}{\vskip\z@}

```

```

15977 \def\raggedright{%
15978   \let\\\@centercr
15979   \rightskip\z@skip\rightskip\@flushglue
15980   \parindent\z@\parfillskip\z@skip}
15981 \let\bidiorig@raggedleft\raggedleft
15982 \let\bidiorig@raggedright\raggedright
15983 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidiorig@raggedright\else\if@RTLtab\bidiorig@raggedright\else\if@RTL\raggedleft\fi}
15984 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidiorig@raggedleft\else\if@RTLtab\bidiorig@raggedleft\else\if@RTL\raggedright\fi}
15985 \newcommand{\bidioraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
15986 \newcommand{\bidioraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
15987 \def\centerline#1{%
15988   \if@RTL\@@line{\hss\beginR#1\endR\hss}
15989   \else\@@line{\hss#1\hss}\fi}
15990 \def\leftline#1{%
15991   \if@RTL\@@line{\beginR#1\endR\hss}
15992   \else\@@line{#1\hss}\fi}
15993 \def\rightline#1{%
15994   \if@RTL\@@line{\hss\beginR#1\endR}
15995   \else\@@line{\hss#1}\fi}
15996 \let\bidiorig@leftline\leftline
15997 \let\bidiorig@rightline\rightline
15998 \def\leftline#1{\ifhmode\if@RTL\bidiorig@rightline{#1}\else\bidiorig@leftline{#1}\fi\else\if@RTL\bidiorig@rightline{#1}\fi\else\if@RTL\bidiorig@leftline{#1}\fi}
15999 \def\rightline#1{\ifhmode\if@RTL\bidiorig@leftline{#1}\else\bidiorig@rightline{#1}\fi\else\if@RTL\bidiorig@leftline{#1}\fi\else\if@RTL\bidiorig@rightline{#1}\fi}
16000 \def\bidirlap#1{\hb@xt@0\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
16001 \def\bidillap#1{\hb@xt@0\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
16002 \def\hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
16003   \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
16004 \def\narrower{%
16005   \advance\if@RTL\rightskip\else\leftskip\fi\parindent
16006   \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
16007 \def\underline#1{%
16008   \relax
16009   \ifmmode\@@underline{#1}%
16010   \else
16011     \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
16012   \else
16013     $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
16014 \if@compatibility
16015   \let\underline=\underline
16016 \fi
16017 \global\@RTLtabfalse
16018 \def\@tabular{\if@RTL\@RTLtabtrue\fi
16019   \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
16020   $\let\@acol\@tabacol
16021   \let\@classz\@tabclassz
16022   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
16023 \def\endtabular{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
16024   \egroup $\if@RTLtab\endR\fi\egroup
16025   \@RTLtabfalse}
16026 \expandafter \let \csname endtabular*\endcsname = \endtabular

```

```

16027 \def\@array[#1]#2{%
16028   \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
16029   \bgroup
16030   \setbox\@arstrutbox\hbox{%
16031     \vrule \@height\arraystretch\ht\strutbox
16032     \@depth\arraystretch\dp\strutbox
16033     \@width\z@}%
16034   \@mkpream{#2}%
16035   \edef\@preamble{%
16036     \ialign \noexpand\@halignto
16037       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
16038   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
16039   \let\tabularnewline\%
16040   \let\par\@empty
16041   \let\@sharp##%
16042   \set@typeset@protect
16043   \lineskip\z@skip\baselineskip\z@skip
16044   \ifhmode \@preamerr\z@ \@par\fi
16045   \ifRTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
16046   \@preamble}
16047 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
16048 \let\@classiv\@arrayclassiv
16049 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
16050 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
16051   \ifnum \@lastchclass=3 5 \else
16052   \z@ \if #1c\@chnum \z@ \else
16053     \if \ifRTLtab#1r\else#1l\fi\@chnum \@ne \else
16054     \if \ifRTLtab#1l\else#1r\fi\@chnum \tw@ \else
16055     \@chclass \if #1|\@ne \else
16056     \if #1@\tw@ \else
16057     \if #1p3 \else \z@ \@preamerr 0\fi
16058   \fi \fi \fi \fi \fi \fi
16059 \fi}
16060 \def\bm@l{\ifRTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
16061 \def\bm@r{\ifRTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
16062 \def\bm@t{\unhbox\@tempboxa\hss}
16063 \def\bm@b{\hss\unhbox\@tempboxa}
16064 \def\@dottedtocline#1#2#3#4#5{%
16065   \ifnum #1>\c@tocdepth \else
16066     \vskip \z@ \@plus.2\p@
16067     {\ifRTL\rightskip\else\leftskip\fi #2\relax \ifRTL\leftskip\else\rightskip\fi \@tocmar
16068     \parindent #2\relax\@afterindenttrue
16069     \interlinepenalty\@M
16070     \leavevmode
16071     \@tempdima #3\relax
16072     \advance\ifRTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\right
16073     {#4}\nobreak
16074     \leaders\hbox{$\m@th
16075       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
16076       mu$}\hfill

```

```

16077      \nobreak
16078      \hb@xt@{\pnumwidth{\hfil\normalfont \normalcolor #5}}%
16079      \par}%
16080  \fi}
16081  \def\RTL@outputdblcol{%
16082  \if@firstcolumn \global\@firstcolumnfalse
16083  \global\setbox\@leftcolumn \box\@outputbox
16084  \else \global\@firstcolumntrue
16085  \setbox\@outputbox \vbox {\hbox to\textwidth {%
16086  \hskip \columnwidth
16087  \hfil \vrule width\columnseprule \hfil
16088  \hbox to\columnwidth {\box\@leftcolumn \hss}}%
16089  \hskip -\textwidth
16090  \hbox to\columnwidth{\box\@outputbox \hss}}%
16091  \hskip \columnsep
16092  \hskip \columnwidth }}%
16093  \@combinedblfloats \@outputpage
16094  \begingroup \@dblfloatplacement \@startdblcolumn
16095  \@whiles\if@fcolmade \fi
16096  {\@outputpage \@startdblcolumn }\endgroup
16097  \fi}
16098  \def\LTR@outputdblcol{%
16099  \if@firstcolumn
16100    \global \@firstcolumnfalse
16101    \global \setbox\@leftcolumn \box\@outputbox
16102  \else
16103    \global \@firstcolumntrue
16104    \setbox\@outputbox \vbox {%
16105      \hb@xt@\textwidth {%
16106        \hb@xt@\columnwidth {%
16107          \box\@leftcolumn \hss}%
16108        \hfil
16109        {\normalcolor\vrule \@width\columnseprule}%
16110        \hfil
16111        \hb@xt@\columnwidth {%
16112          \box\@outputbox \hss}%
16113        }%
16114      }%
16115    \@combinedblfloats
16116    \@outputpage
16117    \begingroup
16118      \@dblfloatplacement
16119      \@startdblcolumn
16120    \@whiles\if@fcolmade \fi
16121    {\@outputpage
16122      \@startdblcolumn}%
16123    \endgroup
16124  \fi
16125  }
16126  \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}

```

```

16127 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
16128 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
16129 \def\LTRmarginpar{%
16130   \ifhmode
16131     \@bsphack
16132     \@floatpenalty -\@Mii
16133   \else
16134     \@floatpenalty-\@Miii
16135   \fi
16136   \ifinner
16137     \@parmoderr
16138     \@floatpenalty\z@
16139   \else
16140     \@next\@currbox\@freelist{}{}%
16141     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
16142     {\@floatpenalty\z@
16143       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
16144   \fi
16145   \ifnextchar [\@LTRxmpar\@LTRympar}
16146 \long\def\@LTRxmpar[#1]#2{%
16147   \@LTRsavemarbox\@marbox{#1}%
16148   \@LTRsavemarbox\@currbox{#2}%
16149   \@xympar}
16150 \long\def\@LTRympar#1{%
16151   \@LTRsavemarbox\@marbox{#1}%
16152   \global\setbox\@currbox\copy\@marbox
16153   \@xympar}
16154 \long\def \@LTRsavemarbox #1#2{%
16155   \global\setbox #1%
16156     \color@vbox
16157     \vtop{%
16158       \hsize\marginparwidth
16159       \@parboxrestore
16160       \@LTRmarginparreset
16161       #2%
16162       \@minipagefalse
16163       \outer@nobreak
16164     }%
16165   \color@endbox
16166 }
16167 \def \@LTRmarginparreset {%
16168   \reset@font
16169   \normalsize
16170   \@minipagetrue
16171   \everypar{\@minipagefalse\everypar{}\beginL}%
16172 }
16173 \def\RTLmarginpar{%
16174   \ifhmode
16175     \@bsphack
16176     \@floatpenalty -\@Mii

```

```

16177 \else
16178 \floatpenalty-\@Miii
16179 \fi
16180 \ifinner
16181 \@parmoderr
16182 \floatpenalty\z@
16183 \else
16184 \next\@currbox\@freelist{}\}%
16185 \next\@marbox\@freelist{\global\count\@marbox\m@ne}%
16186 {\floatpenalty\z@
16187 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
16188 \fi
16189 \@ifnextchar [\@RTLxmpar\@RTLympar}
16190 \long\def\@RTLxmpar[#1]#2{%
16191 \@RTLSavemarbox\@marbox{#1}%
16192 \@RTLSavemarbox\@currbox{#2}%
16193 \@xympar}
16194 \long\def\@RTLympar#1{%
16195 \@RTLSavemarbox\@marbox{#1}%
16196 \global\setbox\@currbox\copy\@marbox
16197 \@xympar}
16198 \long\def \@RTLSavemarbox #1#2{%
16199 \global\setbox #1%
16200 \color@vbox
16201 \vtop{%
16202 \hsize\marginparwidth
16203 \@parboxrestore
16204 \@RTLmarginparreset
16205 #2%
16206 \@minipagefalse
16207 \outer@nobreak
16208 }%
16209 \color@endbox
16210 }
16211 \def \@RTLmarginparreset {%
16212 \reset@font
16213 \normalsize
16214 \@minipagetrue
16215 \everypar{\@minipagefalse\everypar{}\beginR}%
16216 }
16217 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
16218 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
16219 \if@twocolumn
16220 \if@firstcolumn \@tempcnta\m@ne \fi
16221 \else
16222 \if@mparswitch
16223 \ifodd\c@page \else\@tempcnta\m@ne \fi
16224 \fi
16225 \if@reversemargin \@tempcnta -\@tempcnta \fi
16226 \fi

```



```

16227 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
16228 \@tempdima\@mparbottom
16229 \advance\@tempdima -\@pageht
16230 \advance\@tempdima\ht\@marbox
16231 \ifdim\@tempdima >\z@
16232 \latex@warning@no@line {Marginpar on page \thepage\space moved}%
16233 \else
16234 \@tempdima\z@
16235 \fi
16236 \global\@mparbottom\@pageht
16237 \global\advance\@mparbottom\@tempdima
16238 \global\advance\@mparbottom\dp\@marbox
16239 \global\advance\@mparbottom\marginparpush
16240 \advance\@tempdima -\ht\@marbox
16241 \global\setbox \@marbox
16242 \vbox {\vskip \@tempdima
16243 \box \@marbox}%
16244 \global \ht\@marbox \z@
16245 \global \dp\@marbox \z@
16246 \kern -\@pagedp
16247 \nointerlineskip
16248 \hb@xt@\columnwidth
16249 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
16250 \hskip\columnwidth \hskip\marginparsep
16251 \else
16252 \hskip -\marginparsep \hskip -\marginparwidth
16253 \fi
16254 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else\endL\fi}
16255 \nointerlineskip
16256 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
16257 \long\def\@ympar#1{%
16258 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar\@RTLtrue\else\@LTRtrue\fi}%
16259 \global\setbox\@currbox\copy\@marbox
16260 \@xympar}
16261 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
16262 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
16263 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
16264 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
16265 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
16266 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
16267 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
16268 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
16269 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
16270 \fi}
16271 \def\@outputpage{%
16272 \begingroup % the \endgroup is put in by \aftergroup
16273 \let \protect \noexpand
16274 \@resetactivechars
16275 \global\let\@@if@newlist\if@newlist
16276 \global\@newlistfalse

```

```

16277 \@parboxrestore
16278 \shipout \vbox{%
16279     \set@typeset@protect
16280     \aftergroup \endgroup
16281     \aftergroup \set@typeset@protect
16282                                     % correct? or just restore by ending
16283                                     % the group?
16284 \if@specialpage
16285     \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
16286 \fi
16287 \if@twoside
16288     \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
16289         \let\@themargin\oddsidemargin
16290     \else \let\@thehead\@evenhead
16291         \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
16292     \fi
16293     \ifx\@thehead\@empty \let\@thehead\hfil \fi
16294     \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
16295     \else %% not @twoside
16296         \ifx\@oddhead\@empty \let\@thehead\hfil \fi
16297         \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
16298     \fi
16299 \reset@font
16300 \normalsize
16301 \normalsfcodes
16302 \let\label\@gobble
16303 \let\index\@gobble
16304 \let\glossary\@gobble
16305 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
16306 \@begindvi
16307 \vskip \topmargin
16308 \moveright\@themargin \vbox {%
16309     \setbox\@tempboxa \vbox to\headheight{%
16310         \vfil
16311         \color@hbox
16312         \normalcolor
16313         \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTL
16314             \color@endbox
16315         }%
16316         \dp\@tempboxa \z@
16317         \box\@tempboxa
16318         \vskip \headsep
16319         \box\@outputbox
16320         \baselineskip \footskip
16321         \color@hbox
16322         \normalcolor
16323         \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL
16324             \color@endbox
16325         }%
16326     }%

```

```

16327 \global\let\if@newlist\@if@newlist
16328 \global \colht \textheight
16329 \stepcounter{page}%
16330 \let\firstmark\botmark
16331 }
16332 \long\def\@makecaption#1#2{%
16333 \vskip\abovecaptionskip
16334 \sbox\@tempboxa{#1: #2}%
16335 \ifdim \wd\@tempboxa >\hsize
16336 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
16337 \else
16338 \global \minipagefalse
16339 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
16340 \fi
16341 \vskip\belowcaptionskip}
16342 \let\@bidi@saved@eqno=\eqno
16343 \let\@bidi@saved@leqno=\leqno
16344 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
16345 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
16346 \@ifpackageloaded{amsmath}{}{
16347 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
16348 }
16349 \input{footnote-xetex-bidi.def}
16350 \if@twocolumn
16351 \let\autofootnoterule\relax
16352 \let\leftfootnoterule\relax
16353 \let\rightfootnoterule\relax
16354 \textwidthfootnoterule
16355 \fi
16356 \if@bidi@csundef{\@idxitem}{}{%
16357 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p@}%
16358 }
16359 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
16360 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
16361 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
16362 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
16363 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
16364 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
16365 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
16366 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
16367 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
16368 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
16369 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
16370 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
16371 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
16372 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
16373 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
16374 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
16375 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
16376 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}

```

```

16377 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
16378 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
16379 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
16380 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
16381 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}{\input{book-xetex-bidi.def}}{}}
16382 \@ifclassloaded{boekest}{\input{boekest-xetex-bidi.def}}{}
16383 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
16384 \@ifpackageloaded{amsmath}{\%
16385 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
16386 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
16387 }
16388 \@ifpackageloaded{mathtools}{\RequirePackage{graphicx}}{}
16389 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
16390 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
16391 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
16392 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
16393 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
16394 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
16395 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
16396 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
16397 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
16398 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
16399 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
16400 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}}
16401 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
16402 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
16403 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
16404 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
16405 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
16406 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}}
16407 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
16408 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
16409 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
16410 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
16411 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
16412 \@ifpackageloaded{hvfloating}{\input{hvfloating-xetex-bidi.def}}{}

16413 \@ifpackagewith{ntheorem}{amsmath}{\%
16414 \if@thmmarks
16415 \gdef\SetTagPlusEndMark{%
16416     \iftagsleft@
16417         \gdef\maketag@@@#1{%
16418             \settowidth{\tagwidth}{\$##1$}% % WM 17.10.2007
16419             \hbox to \tagwidth{%
16420                 \hbox to \displaywidth{\m@th\normalfont\if@Latin\else\beginR\fi##1\if@Latin\else
16421                     \hss\PotEndMark{\hss}}\hss}%
16422             \else
16423                 \gdef\maketag@@@#1{\hbox{\m@th\normalfont\if@Latin\else\beginR\fi##1\if@Latin\else
16424                     \llap{\hss\PotEndMark{\raisebox{-1.3em}}{}}}%
16425             \fi}

```

```

16426 \fi}{
16427 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{
16428 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{
16429 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{
16430 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{
16431 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{
16432 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{
16433 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{
16434 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{
16435 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{
16436 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{
16437 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{
16438 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{
16439 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{
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16452 \renewcommand*\SC@justify@caption{%
16453 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
16454 \renewcommand*\SC@FLOAT[2]{%
16455 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
16456 \renewcommand*\SC@justify@caption{%
16457 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
16458 }{
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7.114 xltextra-xetex-bidi.def

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16493 \let\@XeLaTeX\XeLaTeX
16494 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

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9 Change History

v13.9	General: Added implementaion of the package. 1	v14.2	General: Fixed the wrong order of toc, lot, lof, etc with multicol package. 263
v14.1	General: Defined \maketag@@@ version of ntheorem package. .. 364	v14.3	General: Removed \leavevmode to avoid extra \par. 121