Errata list for The LaTeX Companion, Third Edition, Parts I & II

(1. printing)

Includes all entries found between 2023/08/01 and 2023/09/01
(For other periods/print runs reprocess this document with different config settings)

```
@book(A-W:MF:2023,
   author = {Frank Mittelbach and Ulrike Fischer},
   title = {The {\LaTeX} Companion},
   edition = 3,
   note =  {With contributions by Javier Bezos, Johannes Braams, and Joseph Wright},
   series =    {Tools and Techniques for Computer Typesetting},
   publisher = {Addison-Wesley},
   address   = {Boston, Massachusetts},
   year = 2023,
   pagenums = {976 (Part I) and 1008 (Part II)},
   bibliography = {yes},
   index = {yes},
   isbn = {978-0-13-816648-9},
)
```

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This file (`tlc3.err`) can be found as part of the LaTeX distribution and its latest version is maintained on the LaTeX project site at `https://www.latex-project.org/help/books/tlc3.err` where you will also find extracts of the book.

The first column in the table shows the page number of the errata entry. Superscript numbers in the first column refer to the printed revision in which this entry was corrected (*s* indicates a correction in the sources only). The second column gives the precise location (negative line or paragraph numbers are counted from the bottom of the page). The third column shows the first finder of the problem.

You can customize this list to only show errata related to the printing or digital edition you own by changing the configuration in the file `tlc3.cfg`.

To Err is Human — Bug Contest

Any mistake found and reported is a gain for all readers of our book. For this reason Addison-Wesley and the authors offer a prize (for 5 limited time periods) to the eligible person who finds the largest number of bugs during that period (more precisely, it is a lottery among the people with the

5 top-most findings up to that point). A person can receive at most one prize, ever; errors found by any of the authors do not count.

Each prize is a free choice of any single computing book found on the Addison-Wesley/Pearson web site: `https://www.informit.com` (that is, no boxed sets or multiple volume offers).

As usual, the authors and publisher reserve the right to make various decisions such as whether a reported feature is an error for competitive purposes or whether similar features count as a single or multiple errors. — Good luck!

Contest period ends	Winner
2023/??	??? suggestions

Due to its size the third edition of *The LaTeX Companion* is printed as a two-volume set. The digital version, however, is provided as a single PDF or ePub. This means that a small fraction of the digital content differs from that of the printed version: there is only a single front matter, a single bibliography, and a single index, whereas in the printed books these are separated out. However, all versions share the main matter (down to the page numbering) so most of the errata apply to all versions, but a few only to the digital and some only to the printed version. Thus, we end up with three separate lists.

Errata for the print version (not applicable to the digital version)

The printed books differ from the digital version in that the bibliography is split across both volumes (with a few repeats) and the front matter of each volume has its own table of contents and list of figures and tables. Therefore these parts have different page numbers and you will see similar errata entries for both print and digital differing only in that respect.

General

Front matter (Part I)

Bibliography (Part I)

Front matter (Part II)

Bibliography (Part II)

Errata for the digital version (not applicable to the print version)

All known errors to the digital version have already been incorporated in the product as distributed.

Errata common to the print and digital versions

The main matter is identical (also in page numbers) in the print and the digital versions. Therefore most errata entries appear in this section.

General

Chapter 1 — Introduction

Chapter 2 — The Structure of a LaTeX Document

Chapter 3 — Basic Formatting Tools – Paragraph ...

Chapter 4 — Basic Formatting Tools – Larger ...

Chapter 5 — The Layout of the Page

Chapter 6 — Tabular Material

Chapter 7 — Mastering Floats

Chapter 8 — Graphics Generation and Manipulation

Chapter 9 — Font Selection and Encodings

I-688[s]	para -2, l. 1	(BeB)	acronym PSNFSS not explained: PSNFSS → PostScript New Font Selection Scheme (PSNFSS)
I-759[s]	l.1	(BeB)	in the range of 0000 to 00FF → in the range of 0000 to 007F

Chapter 10 — Text and Symbol Fonts

II-5[s]	table 10.1, l. 5	(BeB/FMi)	official companion family name → related official font family name
II-5[s]	para -1, l.2	(FMi)	then this structure is repeated as often as necessary. → then this structure is repeated for the related font families as often as necessary.
II-24[s]	para 3, l. -2	(BeB)	There is no slanted shape in Grande Mono: naïve → *naïve*
II-25[s]	para -4, margin	(BeB)	Open Type font is available: — no Open Type — → Lucida Handwriting OT
II-25[s]	para -2, l.-2	(BeB)	There are no italic blackletters: *phœnix's official rôle*→ *phœnix's official rôle*

II-28[s]	table 10.14, l. 3	(BeB)	Inconsistent order: sl, l → l, sl
II-28[s]	table 10.14, lines 7 + 19	(BeB)	semi-bold twice, extra-bold missing: sbsc, bsc, sbsc → sbsc, bsc, ebsc
II-28[s]	table 10.14, lines 13 + 25	(BeB)	semi-bold twice, extra-bold missing: sbec, bec, sbec → sbec, bec, ebec
II-29[s]	table 10.15, lines 7	(BeB)	semi-bold twice, extra-bold missing: sbsc, bsc, sbsc → sbsc, bsc, ebsc
II-29[s]	table 10.15, l. 10	(BeB)	semi-bold twice, extra-bold missing: sbc, bc, sbc → sbc, bc, ebc
II-29[s]	table 10.15, l.13	(BeB)	semi-bold twice, extra-bold missing: sbec, bec, sbec → sbec, bec, ebec
II-34[s]	table 10.20	(FMi)	Add table note: `k` *(black) is a nonstandard series name for* `eb` *(extra bold) or in some families for* `ub` *(ultra bold).*
II-40[s]	table 10.24	(FMi)	In table note: *Unfortunately,* `sco` → *Unfortunately,* `sco`

II-50[s]	font sample Cambria	(FMi)	Because of problems with the font names, the Cambria family currently requires a `Cambria.fontspec` file (possibly only temporary) when used with LuaTeX with the following content:
			`\defaultfontfeatures[Cambria]{%`
			`  UprightFont =cambria.ttc,`
			`  BoldFont = cambriab.ttf,`
			`  ItalicFont = cambriai.ttf,`
			`  BoldItalicFont = cambriaz.ttf}`
			Without it, the bold fonts are not correctly set up, which is why **almost anything** is not in bold and **Fields** is not typeset in bold small caps in the sample even though Cambria supports these typefaces.

II-61[s]	table 10.48	(FMi)	Add table note: *Unfortunately,* `sco` *is a nonstandard shape name for* `scsl`*; thus, low-level shape commands are needed to access it.*
II-62[s]	table 10.50	(FMi)	Add table note: *Unfortunately,* `sco` *is a nonstandard shape name for* `scsl`*; thus, low-level shape commands are needed to access it.*
II-63[s]	table 10.51	(FMi)	Table moved to page II-62 for better pagination.
II-65[s]	para 1, l.1	(YvH)	Slap → Slab
II-66[s]	Unicode box	(DFl)	OpenType fonts for the Concrete family do exist. Therefore changed the text to > OpenType fonts of the family for use in Unicode engines do exist. They offer additional characters and also true **bold** and ***bold italic*** shapes. and moved it down after the discussion of missing bold fonts.
II-66[s]	table 10.55	(FMi)	Change: —no OpenType— → CMU Concrete Added line showing: `b  n, it` and the text —Not available with pdfTeX, only in Unicode engines—

II-66[s]	1st font example	(FMi)	Change: —no OpenType— → CMU Concrete
II-66[s]	2nd font example	(FMi)	Added (in margin info): —only OT1—
II-71[s]	para 1, l.1	(BeB)	ub should be upright: `\fontseries{ub}` → `\fontseries{ub}`
II-75[s]	table 10.64	(FMi)	Add table note: *Unfortunately,* `sco` *is a nonstandard shape name for* `scsl`*; thus, low-level shape commands are needed to access it.*
II-76,77[s]	both font examples	(BeB)	Helvetica and its clones do not have true italics but instead an oblique/slanted face (despite the fact that the internal font information claims it is "italic"). For this reason the blue text in both Helvetica examples should be as follows: *naïve* vis-à-vis the dæmonic *phœnix's official rôle* → *naïve* vis-à-vis the dæmonic *phœnix's official rôle*
II-86[s]	table 10.74, l.4	(FMi)	It's weights not widths: Some nonstandard widths → Also some nonstandard weights
II-86[s]	table 10.74	(FMi)	Add table note: *Unfortunately, the font family uses the nonstandard series names* `t` *(thin) and* `k` *(black) instead of the standard series names* `ul` *(ultra light) and* `ub` *(ultra bold). The* `mb` *(medium) is halfway between the standard* `m` *and* `sb` *and does not fit into the NFSS naming conventions. It can serve as a replacement for* `m`*, e.g., via* `\DeclareFontSeriesDefault`*.*
II-91[s]	l. -1	(BeB)	In the DejaVu Sans Mono Example add: `OIl or O11?`
II-102[s]	para -4, margin	(BeB)	Change: — no Open Type — → Lucida Handwriting OT
II-104[s]	para -1, l.2	(FMi)	Footnote added after: Unicode characters However, strangely enough this only works in pdfTeX and *not* in Unicode engines!
II-105[s]	para 1 replaced	(FMi/BeB)	The yfonts have a suprising feature: you can use the Unicode characters ÄÖÜäöüß in pdfTeX, but this is not possible in Unicode engines! The first paragraph was therefore replaced to clarify this. The new text is: The next example shows the various ligatures. With pdfTeX one can use the Unicode characters `ÄÖÜäöüß` directly and only needs the "short s" ligature. However, due to the special font encoding this *does not work* in Unicode engines — with these engines you have to enter the accents as ligatures or LaTeX commands.
II-106[s]	para -3, l. 1	(BeB)	Acronym GFS not explained: Greek Font Society → Greek Font Society (GFS)

II-107[s]	exa 10-11-1	(FMi)	The Cambria fonts currently require a `Cambria.fontspec` file (possibly temporary) when used with LuaTeX — see errata on page II-50. Without it, the bold fonts are not correctly set up, which is why they are not showing in the example.
II-110[s]	exa 10-12-1	(FMi)	The Cambria fonts currently require a `Cambria.fontspec` file (possibly temporary) when used with LuaTeX — see errata on page II-50. Without it, the bold fonts are not correctly set up, which is why they are not showing in the example.

Chapter 11 — Higher Mathematics

II-133[s]	para. -3, l. -1	(BeB)	Wrong reference: Section 11.2.10 → 11.2.11
II-140[s]	para 2, l.4	(bb/FMi)	Add: You can think of them as subsidiary environments that can be used within any of the display environments discussed so far. (Below we use them inside equation.)
II-167[s]	para. 3, l. -2	(BeB)	option**e** → option**s**
II-178[s]	Tab. 11.3, l.10	(BeB)	in the description column: array-symbol-arrow → arrow-symbol-arrow

Chapter 12 — Fonts in Formulas

II-229[s]	para -3, l.1	(BeB)	for Lucida fonts → Lucida and Cambria fonts
II-274[s]	exa 12-18-fig	(FMi)	The Cambria fonts currently require a `Cambria.fontspec` file (possibly temporary) when used with LuaTeX — see errata on page II-50. Without it, the bold fonts are not correctly set up, which is why they are missing in the section heading of the example.

II-286[s] fig. 12-36 (FMi) Heading is not bold because of an error in the distributed `.fontspec` file for this family. This needs to be corrected in the NewComputerModern distribution and maybe also in the fontspec package itself. A `NewCM10-Regular.fontspec` file that works could look like this:

```
\defaultfontfeatures[NewCM10-Regular]{
  Extension   = .otf ,
% Can't use NewCM10-Regular here (or we get a fontspec error).
% Doesn't matter in this case, but looks like a fontspec issue.
 UprightFont = NewCM08-Regular ,
  UprightFeatures = {
    SizeFeatures = {
      {Size = -8 , Font = NewCM08-Regular} ,
      {Size = 8- , Font = NewCM10-Regular} ,
    },
  },
% Same here:
  SlantedFont = NewCM08-Regular ,
  SlantedFeatures = {
    SizeFeatures = {
      {Size = -8 , Font = NewCM08-Regular} ,
      {Size = 8- , Font = NewCM10-Regular} ,
    },
    FakeSlant=0.25,
  },
  ItalicFont = NewCM10-Italic ,
  ItalicFeatures = {
    SizeFeatures = {
      {Size = -8 , Font = NewCM08-Italic} ,
      {Size = 8- , Font = NewCM10-Italic} ,
    },
  },
  BoldFont = NewCM10-Bold ,
  BoldItalicFont = NewCM10-BoldItalic ,
  BoldSlantedFont = NewCM10-Bold ,
  BoldSlantedFeatures = { FakeSlant=0.25 },
  SmallCapsFeatures = { Numbers=OldStyle },
}
```

II-286[s] fig. 12-36 (FMi) Change in title: Mathematical typesetting → Math typesetting

II-286[s] fig. 12-37 (FMi) Heading is not bold because of an error in the distributed `.fontspec` file for this family. This needs to be corrected in the NewComputerModern distribution and maybe also in the fontspec package itself. A `NewCM10-Book.fontspec` file that works could look like this:

```
\defaultfontfeatures[NewCM10-Book]{
  Extension   = .otf ,
  UprightFont = NewCM08-Book ,
  UprightFeatures = {
    SizeFeatures = {
      {Size = -8 , Font = NewCM08-Book} ,
      {Size = 8- , Font = NewCM10-Book} ,
    },
  },
  SlantedFont = NewCM08-Book ,
  SlantedFeatures = {
    SizeFeatures = {
      {Size = -8 , Font = NewCM08-Book} ,
      {Size = 8- , Font = NewCM10-Book} ,
    },
    FakeSlant=0.25,
  },
  ItalicFont = NewCM10-BookItalic ,
  ItalicFeatures = {
    SizeFeatures = {
      {Size = -8 , Font = NewCM08-BookItalic} ,
      {Size = 8- , Font = NewCM10-BookItalic} ,
    },
  },
  BoldFont = NewCM10-Bold ,
  BoldItalicFont = NewCM10-BoldItalic ,
  BoldSlantedFont = NewCM10-Bold ,
  BoldSlantedFeatures = { FakeSlant=0.25 },
  SmallCapsFeatures = { Numbers=OldStyle },
}
```

II-286[s] fig. 12-37 (FMi) Change title to more or less fit the width of the sample:
Mathematical typesetting with NewComputerModern →
Math typesetting with NewComputerModern Book

II-288[s] para 3, l.-1 (BeB) Typo and spurious comma: series, though substitution. → series through substitution.

II-295[s] par -2, l.-1 (BeB) Options `vvarbb` and `upint` show no effect in figure 12.50. This was due to a bug in the package — now corrected. Thus, rerunning the example shows the expected behavior.

Chapter 13 — Localizing Documents

II-307[s]	after exa 13-2-5	(BeB/FMi)	Replace: On the other hand, tikz provides a library to overcome these issues. → In the particular case of tikz, you can use `\usetikzlibrary{babel}` instead of `\shorthandoff` to overcome these issues for all tikz pictures of the document.
II-308[s]	para 2, l.3	(BeB)	Acronyms BCP and IETF not explained: BCP → the Best Current Practice (BCP) IETF → the Internet Engineering Task Force (IETF)
II-308[s]	para 3, l.1	(BeB)	BPD → BCP
II-319[s]	para 2, l.1	(BeB)	Missing word: is described *A History* → is described in *A History*

Chapter 14 — Index Generation

Chapter 15 — Bibliography Generation

II-390[s]	para 4, l.1	(BeB/FMi)	Replace: predates the Internet and so→ were developed when the Internet was in its infancy and so
II-391[s]	Fig. 15.2, bib-entry jane-2	(BeB)	`\title = {An second book}`→ `\title = {A second book}` Changes the output of example 16-7-31 on page II-560 as well.
II-443[s]	biblatex-mla style	(BeB)	Explain acronym: MLA handbook → Modern Language Association (MLA) handbook This moves the text line on the bottom to the next page.

Chapter 16 — Managing Citations

II-475[s]	para -2, l.6	(BeB)	Figure 15.1 → Figure 15.1 on pages 382–383
II-513[s]	para -1	(BeB/FMi)	Extend the explanation: is created only if the entry contains a shorttitle field and the title and shorttitle fields differ. → is created only if the entry has been referenced (prior to typesetting the bibliography), contains a shorttitle field, and the title and shorttitle fields differ.
II-560[s]	exa 16-7-31	(FMi)	Jane Doe. *An second book.* 2020.→ Jane Doe. *A second book.* 2020.

Chapter 17 — LaTeX Package Documentation Tools

Appendix A — LaTeX Overview for Preamble, ...

II-624–629[s]		(BeB/FMi)	Replace for consistency with section 1.4: command definition → code

II-629[s]	para 1, l.3	(FMi)	An warning → A warning
II-633[s]	para 2	(BeB/FMi)	Add at the end: A maximum of nine "argument" letters is supported.

Appendix B — Tracing and Resolving Problems

Appendix C — Going Beyond

Biographies

Production Notes

Notes on this errata document

Thanks to all who have found errors or omissions. Listed are the people who found an errata entry first.

BeB	Bernd Burghardt (40)	FMi	Frank Mittelbach (66)	YvH	Yvon Henel (1)
DFl	Daniel Flipo (1)	MJo	Maciej Jończyk (1)	bb	Barbara Beeton (10)
EOl	Edgar Olthof (4)	YFu	FUJIMURA Yukitoshi (1)	kb	Karl Berry (13)

Other people have sent us corrections for errors already found. Thanks to all of you!
If you find further errors please report them to one of the authors, e.g.,

`frank.mittelbach@latex-project.org`

preferably in a form usable directly in this file, i.e.,

`\erroronpage{`*page-number*`}{`*line-identification*`}{`*your-initials*`}{`*date*`}{}`
description of the erratum

Here is an example:

```
\erroronpage{5}{para 3, l.1}{FMi}{2023/06/21}{}
   \u{LaTeX}  \>  \u{\LaTeX}
```

`\u{...}` underlines a text fragment, `\>` produces →, and `\bl` is a short form for `\color{blue}`.