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

(1. printing)

Includes all entries found between 2023/04/01 and 2023-05-25
(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},
)
```

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 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 periods) to the eligible person who finds the largest number of bugs during that period (in case of a draw a random choice will be made between all those with the largest number of findings). 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 font 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 applies 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 that the font 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.

Front matter (Part I)			
I-ix. . . I-xvi[s]		(FMi)	Dot leaders have been changed on all sections.
I-xvii[s]	chapter head	(FMi)	formulas → <u>F</u>ormulas
I-xvii[s]	chapter head	(FMi)	documents → <u>D</u>ocuments
I-xvii[s]	chapter head	(FMi)	beyond → <u>B</u>eyond
I-xx. . . I-xxi[s]		(FMi)	Dot leaders have been changed on all sections.

Bibliography (Part I)			
I-783[s]	[55], l.-2	(FMi)	all → <u>them</u> all
I-785[s]	[73], l.-2	(kb/bb)	the go-forward way for LATEX-coding → the way for LATEX coding going forward
I-786[s]	[87], l.2	(kb/bb)	p. → pp.
I-786[s]	[88], l.2	(kb/bb)	p. → pp.
I-787[s]	[92], l.2	(kb/bb)	Add: Vancouver, 1999
I-788[s]	[100], l.3	(kb/bb)	Publishing → Publishing<u>,</u>
I-790[s]	[122], l.1	(kb/bb)	In <u>ACM editor</u> "Proceedings → In "<u>PODC'01:</u> Proceedings
I-790[s]	[122], l.1	(kb/bb)	In <u>Unicode Consortium, editor</u> → In

Front matter (Part II)			
II-x. . . II-xxviii[s]		(FMi)	Dot leaders have been changed on all sections.

*II-xiv*ˢ	heading	(bb/FMi)	Multiple alignments: `align` and `flalign` → Multiple alignments: `align`, `flalign`, and `alignat`
*II-xv*ˢ	chapter head	(FMi)	formulas → <u>F</u>ormulas
*II-xvi*ˢ	chapter head	(FMi)	documents → <u>D</u>ocuments
*II-xxi*ˢ	chapter head	(FMi)	beyond → <u>B</u>eyond

Bibliography (Part II)

*II-799*ˢ	[43], l.-2	(FMi)	all → <u>them</u> all
*II-801*ˢ	[62], l.-2	(kb/bb)	the go-forward way for LaTeX-coding → the way for LaTeX coding going forward
*II-802*ˢ	[71], l.2	(kb/bb)	p. → pp.
*II-802*ˢ	[72], l.2	(kb/bb)	p. → pp.
*II-803*ˢ	[80], l.3	(kb/bb)	Publishing → Publishing<u>,</u>

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

ˢ		(FMi)	Some corrections result in index changes. These are not tracked here; the index is always fully regenerated for new printings.

Chapter 1 — Introduction

*I-5*ˢ	para 4, l.4	(kb)	<u>of</u> the bugs → <u>with</u> the bugs Already corrected in the digital version.
*I-5*ˢ	para 5, l.5	(kb)	not least → <u>but</u> not least Already corrected in the digital version.

Chapter 2 — The Structure of a LaTeX Document

*I-34*ˢ	l.-1	(FMi)	Moved first line of page 35 to 34. Already corrected in the digital version.
*I-35*ˢ	l.1	(FMi)	Moved first line of page 35 to 34. Already corrected in the digital version.
*I-113*ˢ	listing	(FMi)	Situation is the same in the 2023 distributions; listing output updated. Already corrected in the digital version.

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-669*ˢ | exa 9-3-11 | (FMi) | Changed line breaks in example. |
| *I-708*ˢ | listing | (FMi) | Situation is the same in the 2023 distributions; listing output updated.
Already corrected in the digital version. |

Chapter 10 — Text and Symbol Fonts

*II-114*ˢ	table 10.89	(FMi)	Added missing `U+00Fx` line. There was a bug in code generating it. Already corrected in the digital version.
*II-117*ˢ	table 10.92	(FMi)	Added missing `U+00Fx` line. There was a bug in code generating it. Already corrected in the digital version.
*II-121*ˢ	table 10.96	(FMi)	Added missing `U+00Fx` line. There was a bug in code generating it. Already corrected in the digital version.
*II-122*ˢ	table 10.98	(FMi)	Added missing `U+00Fx` line. There was a bug in code generating it. Already corrected in the digital version.

*II-122*ˢ	table 10.99	(FMi)	Added missing `U+00Fx` line. There was a bug in code generating it. Already corrected in the digital version.
*II-123*ˢ	table 10.100	(FMi)	Added missing `U+00Fx` line. There was a bug in code generating it. Already corrected in the digital version.
*II-124*ˢ	table 10.103	(FMi)	Added missing `U+00Fx` line. There was a bug in code generating it. Already corrected in the digital version.

Chapter 11 — Higher Mathematics

*II-127*ˢ	para 1, l.5	(bb/FMi)	<u>The</u> American Mathematical Society (AMS) <u>provides</u> a major package, amsmath, which <u>makes</u> ... → In the early nineties the American Mathematical Society (AMS) <u>provided</u> a major package, amsmath, which <u>made</u> ... Already corrected in the digital version.
*II-129*ˢ	para -3, l.1	(bb/FMi)	The principal documentation for these packages → The principal documentation for these <u>two</u> packages Already corrected in the digital version.
*II-129*ˢ	para -1, l.3	(bb)	<u>lot</u> additions → <u>many</u> additions Already corrected in the digital version.
*II-132*ˢ	table 11.1	(bb/FMi)	Also mention `alignat`, `alignat*`, and `alignedat`. Already corrected in the digital version.
*II-133*ˢ	para 4,l.2	(bb/FMi)	Add: Furthermore, they move the equation tag out of the way if it would otherwise overprint the formula. Already corrected in the digital version.
*II-138*ˢ	heading	(bb/FMi)	Multiple alignments: `align` <u>and</u> `flalign` → Multiple alignments: `align`, `flalign`, <u>and</u> `alignat` Already corrected in the digital version.
*II-138*ˢ		(FMi)	Moved para from 139 to end of this page. Already corrected in the digital version.
*II-139*ˢ	para 1	(FMi)	Moved para back to page 138. Already corrected in the digital version.

*II-139*ˢ   bottom   (FMi)   Add:
Sometimes it is more convenient to explicitly specify all the horizontal spacing yourself within the formula. For this you can use an `alignat` environment. It differs from `align` in two ways: you have to specify the number of `rl` pairs as an argument to the environment and it does not add any spaces between the pairs, e.g.,

`\begin{alignat}{3} x &= y &\qquad X &= Y &\qquad a &= b+c \\ ...`

As usual, equation numbers can be altered with `\tag` or suppressed with `\notag`.
Already corrected in the digital version.

*II-140*ˢ   para 1, l.2   (bb/FMi)   Add:
Do not forget to reset `\minalignsep` if you change it in this manner.
Already corrected in the digital version.

*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).
Already corrected in the digital version.

*II-140*ˢ   para -1   (FMi)   Paragraph moved to page 141.
Already corrected in the digital version.

*II-141*ˢ   (FMi)   One paragraph moved over from page 140.
Already corrected in the digital version.

*II-144*ˢ   para 2, l.-3   (FMi)   the issue → the spacing issue
Already corrected in the digital version.

*II-145*ˢ   para 2, l.1   (bb/FMi)   Add:
Another problem is that an empty line introduces an unwanted break point in front of the display, thus `\predisplaypenalty` is no longer honored.
Already corrected in the digital version.

Chapter 12 — Fonts in Formulas

*II-225*ˢ   heading   (FMi)   Chapter title not properly capitalized.
Already corrected in the digital version.

Chapter 13 — Localizing Documents

*II-297*ˢ   heading   (FMi)   Chapter title not properly capitalized.
Already corrected in the digital version.

Chapter 14 — Index Generation

Chapter 15 — Bibliography Generation

Chapter 16 — Managing Citations

Chapter 17 — LaTeX Package Documentation Tools

Appendix A — LaTeX Overview for Preamble, . . .

Appendix B — Tracing and Resolving Problems

Appendix C — Going Beyond

*II-297*ˢ   heading   (FMi)   Appendix title not properly capitalized.
                                              Already corrected in the digital version.

Biographies

Production Notes

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

bb   Barbara Beeton (10)   FMi   Frank Mittelbach (33)   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 and `\>` produces →.