

# Errata list for The L<sup>A</sup>T<sub>E</sub>X Companion, Third Edition, Parts I & II (1. printing)

Includes all entries found between 2023/04/01 and 2023/07/30  
(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 L<sup>A</sup>T<sub>E</sub>X distribution and its latest version is maintained on the L<sup>A</sup>T<sub>E</sub>X 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 (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 L<sup>A</sup>T<sub>E</sub>X 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.

### General

(FMi) Text or graphics typeset in the the spot color (blue) are not always perfectly aligned. This is an side-effect of the printing technology. On most pages everything is fine, but occasionally blue text in a paragraph seems to be slightly above or below the baseline or blue text in tables appears slightly misaligned horizontally. It differs from book to book (and therefore not recorded in this errata) and can't be controlled by the authors, unfortunately.

### Front matter (Part I)

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

### Bibliography (Part I)

<i>I-783</i> <sup>s</sup> [55], 1.-2	(FMi)	all → <u>them</u> all
<i>I-785</i> <sup>s</sup> [73], 1.-2	(kb/bb)	the go-forward way for L <sup>A</sup> T <sub>E</sub> X-coding → the way for L <sup>A</sup> T <sub>E</sub> X coding going forward
<i>I-786</i> <sup>s</sup> [87], 1.2	(kb/bb)	p. → pp.
<i>I-786</i> <sup>s</sup> [88], 1.2	(kb/bb)	p. → pp.
<i>I-787</i> <sup>s</sup> [92], 1.2	(kb/bb)	Add: Vancouver, 1999

<i>I-788</i> <sup>s</sup>	[100], 1.3	(kb/bb)	Publishing → Publishing <sub>2</sub>
<i>I-790</i> <sup>s</sup>	[122], 1.1	(kb/bb)	In <u>ACM editor</u> “Proceedings → In “ <u>PODC’01: Proceedings</u>
<i>I-790</i> <sup>s</sup>	[122], 1.1	(kb/bb)	In <u>Unicode Consortium, editor</u> → In

### Front matter (Part II)

<i>II-x...II-xxviii</i> <sup>s</sup>		(FMi)	Dot leaders have been changed on all sections.
<i>II-xiv</i> <sup>s</sup>	heading	(bb/FMi)	Multiple alignments: <b>align</b> and <b>flalign</b> → Multiple alignments: <b>align</b> , <b>flalign</b> , and <b>alignat</b>
<i>II-xv</i> <sup>s</sup>	chapter head	(FMi)	formulas → <u>F</u> ormulas
<i>II-xvi</i> <sup>s</sup>	chapter head	(FMi)	documents → <u>D</u> ocuments
<i>II-xxi</i> <sup>s</sup>	chapter head	(FMi)	beyond → <u>B</u> eyond

### Bibliography (Part II)

<i>II-799</i> <sup>s</sup>	[43], 1.-2	(FMi)	all → <u>them</u> all
<i>II-801</i> <sup>s</sup>	[62], 1.-2	(kb/bb)	the go-forward way for L <sup>A</sup> T <sub>E</sub> X-coding → the way for L <sup>A</sup> T <sub>E</sub> X coding going forward
<i>II-802</i> <sup>s</sup>	[71], 1.2	(kb/bb)	p. → pp.
<i>II-802</i> <sup>s</sup>	[72], 1.2	(kb/bb)	p. → pp.
<i>II-803</i> <sup>s</sup>	[80], 1.3	(kb/bb)	Publishing → Publishing <sub>2</sub>

## 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

(FMi)	Some corrections result in index changes. These are not tracked here; the index is always fully regenerated for new printings.
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(MJo/FMi) There are a dozen occurrences of the word rôle throughout the book, which is more commonly spelled role. However, this is not wrong, but the somewhat dated form used mostly in British English. Personally, I prefer the version with accent (as does Don Knuth) so it is deliberate and will not change.

## Chapter 1 — Introduction

*I-5<sup>s</sup>* para 4, 1.4 (kb) of the bugs → with the bugs  
Already corrected in the digital version.

*I-5<sup>s</sup>* para 5, 1.5 (kb) not least → but not least  
Already corrected in the digital version.

## Chapter 2 — The Structure of a L<sup>A</sup>T<sub>E</sub>X Document

*I-34<sup>s</sup>* 1.-1 (FMi) Moved first line of page 35 to 34.  
Already corrected in the digital version.

*I-35<sup>s</sup>* 1.1 (FMi) Moved first line of page 35 to 34.  
Already corrected in the digital version.

*I-113<sup>s</sup>* listing (FMi) Situation is the same in the 2023 distributions; listing output updated.  
Already corrected in the digital version.

*I-117<sup>s</sup>* 1.-5 (BeB) *latexrelease* → **latexrelease**

## Chapter 3 — Basic Formatting Tools – Paragraph ...

*I-160<sup>s</sup>* para -2, 1.1 (BeB) Repeated word: keys keys → keys

*I-163<sup>s</sup>* para 2, 1.2 (FMi) as we did above. → as we did in Example 3-3-14 below.

*I-163<sup>s</sup>* para 3, (FMi) Add a marginal note: No warning if another L<sup>A</sup>T<sub>E</sub>X run is necessary!  
margin

*I-163<sup>s</sup>* example (BeB) Output of example misses the page numbers in acronym list → Run  
3-3-14 example 3 times (not only twice—there is no warning)

## Chapter 4 — Basic Formatting Tools – Larger ...

*I-323<sup>s</sup>* Table 4.4, left (BeB) Typo: Assembler (Notorola68k, x86masm) →  
column Assembler (Motorola68k, x86masm)

## Chapter 5 — The Layout of the Page

## Chapter 6 — Tabular Material

<i>I-489</i> <sup>s</sup>	para 1, 1.3	(EOI)	Change: to additionally load <code>longtable</code> or <code>supertabular</code> <u>prior</u> to <code>→</code> to load <code>longtable</code> or <code>supertabular</code> <u>in addition</u> to
<i>I-490</i> <sup>s</sup>	footnote	(EOI)	Replace footnote text with <code>→</code> If you forget this, you either get an empty cell or, if parts of the text can be interpreted as a value, a somewhat “random” number and the rest is dropped. For example, <code>31 December 2022</code> would result in “31.00”, which is probably not desired.

## Chapter 7 — Mastering Floats

## Chapter 8 — Graphics Generation and Manipulation

<i>I-619</i> <sup>s</sup>	para -2, 1.2	(FMi)	in <u>light blue</u> <code>→</code> in <u>red</u>
<i>I-619</i> <sup>s</sup>	exa 8-4-7	(FMi)	The example uses <code>left_color=red!20</code> but this is not really visible if the red is turned into some gray value in the book (which is then made even lighter through <code>!20</code> ). So it is better to start from full red, i.e., <code>→ left_color=red</code> instead. Already corrected in the digital version.
<i>I-644</i> <sup>s</sup>	syntaxbox for <code>\foreach</code>	(BeB)	superfluous <code>'in': ... {commands} in</code> <code>→ ... {commands}</code>

## Chapter 9 — Font Selection and Encodings

<i>I-669</i> <sup>s</sup>	exa 9-3-11	(FMi)	Changed line breaks in example.
<i>I-681</i> <sup>s</sup>	para 2, 1.1	(BeB)	Missing space: <code>Theproblem</code> <code>→</code> <code>The problem</code>
<i>I-708</i> <sup>s</sup>	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

<i>II-71</i> <sup>s</sup>		(YFu)	Akira Kobayashi should be written in Japanese style <code>→</code> <u>KOBAYASHI Akira</u> Also corrected in the index.
<i>II-114</i> <sup>s</sup>	table 10.89	(FMi)	Added missing <code>U+00F<sub>x</sub></code> line. There was a bug in code generating it. Already corrected in the digital version.
<i>II-117</i> <sup>s</sup>	table 10.92	(FMi)	Added missing <code>U+00F<sub>x</sub></code> line. There was a bug in code generating it. Already corrected in the digital version.
<i>II-121</i> <sup>s</sup>	table 10.96	(FMi)	Added missing <code>U+00F<sub>x</sub></code> line. There was a bug in code generating it. Already corrected in the digital version.
<i>II-122</i> <sup>s</sup>	table 10.98	(FMi)	Added missing <code>U+00F<sub>x</sub></code> line. There was a bug in code generating it. Already corrected in the digital version.

<i>II-122<sup>s</sup></i>	table 10.99	(FMi)	Added missing U+00F $\times$ line. There was a bug in code generating it. Already corrected in the digital version.
<i>II-123<sup>s</sup></i>	table 10.100	(FMi)	Added missing U+00F $\times$ line. There was a bug in code generating it. Already corrected in the digital version.
<i>II-124<sup>s</sup></i>	table 10.103	(FMi)	Added missing U+00F $\times$ line. There was a bug in code generating it. Already corrected in the digital version.

<b>Chapter 11 — Higher Mathematics</b>
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<i>II-127<sup>s</sup></i>	para 1, 1.5	(bb/FMi)	<u>The American Mathematical Society (AMS) provides</u> a major package, <code>amsmath</code> , which <u>makes</u> ... → <u>In the early nineties the American Mathematical Society (AMS) provided</u> a major package, <code>amsmath</code> , which <u>made</u> ... Already corrected in the digital version.
<i>II-129<sup>s</sup></i>	para -3, 1.1	(bb/FMi)	The principal documentation for these packages → The principal documentation for these <u>two</u> packages Already corrected in the digital version.
<i>II-129<sup>s</sup></i>	para -1, 1.3	(bb)	<u>lot</u> additions → <u>many</u> additions Already corrected in the digital version.
<i>II-132<sup>s</sup></i>	table 11.1	(bb/FMi)	Also mention <code>alignat</code> , <code>alignat*</code> , and <code>alignedat</code> . Already corrected in the digital version.
<i>II-133<sup>s</sup></i>	para 4,1.2	(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.
<i>II-138<sup>s</sup></i>	heading	(bb/FMi)	Multiple alignments: <u><code>align</code> and <code>flalign</code></u> → Multiple alignments: <u><code>align</code>, <code>flalign</code>, and <code>alignat</code></u> Already corrected in the digital version.
<i>II-138<sup>s</sup></i>		(FMi)	Moved para from 139 to end of this page. Already corrected in the digital version.
<i>II-139<sup>s</sup></i>	para 1	(FMi)	Moved para back to page 138. Already corrected in the digital version.

II-139 <sup>s</sup>	bottom	(FMi)	<p>Add:</p> <p>Sometimes it is more convenient to explicitly specify all the horizontal spacing yourself within the formula. For this you can use an <code>alignat</code> environment. It differs from <code>align</code> in two ways: you have to specify the number of <code>rl</code> pairs as an argument to the environment and it does not add any spaces between the pairs, e.g.,</p> <pre>\begin{alignat}{3} x &amp; \&amp;= y &amp; \&amp;\qquad X &amp; \&amp;= Y &amp; \&amp;\qquad a &amp; \&amp;= b+c \\ \end{alignat}</pre> <p>As usual, equation numbers can be altered with <code>\tag</code> or suppressed with <code>\notag</code>.</p> <p>Already corrected in the digital version.</p>
II-140 <sup>s</sup>	para 1, 1.2	(bb/FMi)	<p>Add:</p> <p>Do not forget to reset <code>\minalignsep</code> if you change it in this manner.</p> <p>Already corrected in the digital version.</p>
II-140 <sup>s</sup>	para 2, 1.4	(bb/FMi)	<p>Add:</p> <p>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).</p> <p>Already corrected in the digital version.</p>
II-140 <sup>s</sup>	para -1	(FMi)	<p>Paragraph moved to page 141.</p> <p>Already corrected in the digital version.</p>
II-141 <sup>s</sup>		(FMi)	<p>One paragraph moved over from page 140.</p> <p>Already corrected in the digital version.</p>
II-144 <sup>s</sup>	para 2, 1.-3	(FMi)	<p>the issue → the spacing issue</p> <p>Already corrected in the digital version.</p>
II-145 <sup>s</sup>	para 2, 1.1	(bb/FMi)	<p>Add:</p> <p>Another problem is that an empty line introduces an unwanted break point in front of the display, thus <code>\predisplaypenalty</code> is no longer honored.</p> <p>Already corrected in the digital version.</p>
II-178 <sup>s</sup>	table 11.3, 1.10	(EOI)	<p>Cross-<u>produce</u> tensor → Cross-<u>product</u> tensor</p>

## Chapter 12 — Fonts in Formulas

II-225 <sup>s</sup>	heading	(FMi)	<p>Chapter title not properly capitalized.</p> <p>Already corrected in the digital version.</p>
II-261 <sup>s</sup>	para 3, 1.3	(FMi)	<p>Yoda spoke it seems: ... <u>and compare we should</u> → ... <u>and you should compare</u></p> <p>Already corrected in the digital version.</p>

## Chapter 13 — Localizing Documents

<i>II-297<sup>s</sup></i>	heading	(FMi)	Chapter title not properly capitalized. Already corrected in the digital version.
<i>II-332<sup>s</sup></i>	exa 13-5-2, and above	(FMi)	The keyword <code>Harfbuzz</code> should be spelled <code>HarfBuzz</code> . Both names are supported, but the recommended spelling is <code>HarfBuzz</code> .

## Chapter 14 — Index Generation

## Chapter 15 — Bibliography Generation

<i>II-435<sup>s</sup></i>	code	(FMi)	<code>\textcolor{See}</code> → <code>\textcolor{blue}{See}</code> Already corrected in the digital version.
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## Chapter 16 — Managing Citations

## Chapter 17 — L<sup>A</sup>T<sub>E</sub>X Package Documentation Tools

<i>II-599<sup>s</sup></i>	para 3, 1.1	(EOI)	<code>\Whencreating automatically</code> the driver → <code>\When</code> the driver
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## Appendix A — L<sup>A</sup>T<sub>E</sub>X Overview for Preamble, ...

<i>II-682<sup>s</sup></i>	para -2, 1.3	(FMi)	<code>Harfbuzz</code> → <code>HarfBuzz</code>
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## Appendix B — Tracing and Resolving Problems

## Appendix C — Going Beyond

<i>II-297<sup>s</sup></i>	heading	(FMi)	Appendix title not properly capitalized. Already corrected in the digital version.
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## Biographies

## Production Notes

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

BeB	Bernd Burghardt (6)	MJo	Maciej Jończyk (1)	kb	Karl Berry (13)
EOI	Edgar Olthof (4)	YFu	FUJIMURA Yukitoshi (1)		
FMi	Frank Mittelbach (42)	bb	Barbara Beeton (10)		

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, 1.1}{FMi}{2023/06/21}{}  
    \u{LaTeX}  \>  \u{\LaTeX}
```

\u underlines a text fragment and \> produces →.