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

(1. printing)

Includes all entries found between 2023/04/01 and 2023/07/18
(For other periods/print runs reprocess this document with different config settings)

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 \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)

<table>
<thead>
<tr>
<th>Page</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-ix...I-xvi*</td>
<td>Dot leaders have been changed on all sections.</td>
</tr>
<tr>
<td>I-xvii*</td>
<td>chapter head (FMi) formulas → Formulas</td>
</tr>
<tr>
<td>I-xvii*</td>
<td>chapter head (FMi) documents → Documents</td>
</tr>
<tr>
<td>I-xvii*</td>
<td>chapter head (FMi) beyond → Beyond</td>
</tr>
<tr>
<td>I-xx...I-xxi*</td>
<td>Dot leaders have been changed on all sections.</td>
</tr>
</tbody>
</table>

### Bibliography (Part I)

<table>
<thead>
<tr>
<th>Page</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-783*</td>
<td>[55], 1.-2 (FMi) all → them all</td>
</tr>
<tr>
<td>I-785*</td>
<td>[73], 1.-2 (kb/bb) the go-forward way for \LaTeX-coding → the way for \LaTeX coding going forward</td>
</tr>
<tr>
<td>I-786*</td>
<td>[87], 1.2 (kb/bb) p. → pp.</td>
</tr>
<tr>
<td>I-786*</td>
<td>[88], 1.2 (kb/bb) p. → pp.</td>
</tr>
<tr>
<td>I-787*</td>
<td>[92], 1.2 (kb/bb) Add: Vancouver, 1999</td>
</tr>
<tr>
<td>I-788*</td>
<td>[100], 1.3 (kb/bb) Publishing → Publishing</td>
</tr>
<tr>
<td>I-790*</td>
<td>[122], 1.1 (kb/bb) In ACM editor &quot;Proceedings → In “PODC’01: Proceedings</td>
</tr>
<tr>
<td>I-790*</td>
<td>[122], 1.1 (kb/bb) In Unicode Consortium, editor → In</td>
</tr>
</tbody>
</table>

### Front matter (Part II)

<table>
<thead>
<tr>
<th>Page</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>II-x...II-xviii*</td>
<td>Dot leaders have been changed on all sections.</td>
</tr>
</tbody>
</table>

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.

(MJo) 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
Errata for The \LaTeX Companion, Third Edition, Parts I & II (between 2023/04/01 and 2023/07/18)

\section*{Chapter 2 — The Structure of a \LaTeX Document}

\begin{itemize}
  \item \textit{I-5}\* para 4, l.4 \hspace{1cm} (kb) \hspace{1cm} of the bugs \rightarrow with the bugs
  \hspace{1cm} Already corrected in the digital version.
  \item \textit{I-5}\* para 5, l.5 \hspace{1cm} (kb) \hspace{1cm} not least \rightarrow \textbf{but} not least
  \hspace{1cm} Already corrected in the digital version.
\end{itemize}

\section*{Chapter 3 — Basic Formatting Tools — Paragraph \ldots}

\begin{itemize}
  \item \textit{I-160}\* para -2, l.1 \hspace{1cm} (BeB) \hspace{1cm} Repeated word: keys keys \rightarrow keys
\end{itemize}

\section*{Chapter 4 — Basic Formatting Tools — Larger \ldots}

\section*{Chapter 5 — The Layout of the Page}

\section*{Chapter 6 — Tabular Material}

\section*{Chapter 7 — Mastering Floats}

\section*{Chapter 8 — Graphics Generation and Manipulation}

\begin{itemize}
  \item \textit{I-619}\* para -2, l.2 \hspace{1cm} (FMi) \hspace{1cm} in light blue \rightarrow in \textcolor{red}{red}
  \item \textit{I-619}\* exa 8-4-7 \hspace{1cm} (FMi) \hspace{1cm} The example uses \texttt{left\_color=red!20} 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 \texttt{!20}). So it is better to start from full red, i.e., \texttt{left\_color=red} instead.
  \hspace{1cm} Already corrected in the digital version.
  \item \textit{I-644}\* syntaxbox for \hspace{1cm} (BeB) \hspace{1cm} superfluous 'in': \ldots\texttt{\{commands\} in} \rightarrow \ldots\texttt{\{commands\}}
\end{itemize}

\section*{Chapter 9 — Font Selection and Encodings}

\begin{itemize}
  \item \textit{I-669}\* exa 9-3-11 \hspace{1cm} (FMi) \hspace{1cm} Changed line breaks in example.
\end{itemize}
Errata for The \LaTeX Companion, Third Edition, Parts I & II (between 2023/04/01 and 2023/07/18) 5

I-681* para 2, 1.1 (BeB) Missing space: The problem \rightarrow The problem

I-708* 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* 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* 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* 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* 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* 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* 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* 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* para 1, 1.5 (bb/FMi) The American Mathematical Society (AMS) provides a major package, \texttt{amsmath}, which makes \ldots \rightarrow In the early nineties the American Mathematical Society (AMS) provided a major package, \texttt{amsmath}, which made \ldots Already corrected in the digital version.

II-129* para -3, 1.1 (bb/FMi) The principal documentation for these packages \rightarrow The principal documentation for these two packages Already corrected in the digital version.

II-129* para -1, 1.3 (bb) lot additions \rightarrow many additions
Already corrected in the digital version.

II-132* table 11.1 (bb/FMi) Also mention \texttt{alignat}, \texttt{alignat*}, and \texttt{alignedat}. Already corrected in the digital version.

II-133* 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.
II-138* heading (bb/FMi) Multiple alignments: \texttt{align} and \texttt{flalign} → Multiple alignments: \texttt{align}, \texttt{flalign}, and \texttt{alignat}
Already corrected in the digital version.

II-138* (FMi) Moves para from 139 to end of this page.
Already corrected in the digital version.

II-139* para 1 (FMi) Moves para back to page 138.
Already corrected in the digital version.

II-139* 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 \texttt{alignat} environment. It differs from \texttt{align} in two ways: you have to specify the number of \texttt{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 &\quad X &= Y &\quad a &= b+c \\
\end{alignat}
As usual, equation numbers can be altered with \texttt{tag} or suppressed with \texttt{notag}.
Already corrected in the digital version.

II-140* para 1, 1.2 (bb/FMi) Add:
Do not forget to reset \texttt{\minalignsep} if you change it in this manner.
Already corrected in the digital version.

II-140* para 2, 1.4 (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 \texttt{equation}).
Already corrected in the digital version.

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

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

II-144* para 2, 1.-3 (FMi) the issue → the spacing issue
Already corrected in the digital version.

II-145* para 2, 1.1 (bb/FMi) Add:
Another problem is that an empty line introduces an unwanted break point in front of the display, thus \texttt{\predisplaypenalty} is no longer honored.
Already corrected in the digital version.

Chapter 12 — Fonts in Formulas

II-225* heading (FMi) Chapter title not properly capitalized.
Already corrected in the digital version.
Errata for The \texttt{\LaTeX} Companion, Third Edition, Parts I & II (between 2023/04/01 and 2023/07/18) 7

\begin{itemize}
  \item \textit{II-261*} para 3, l.3 (FMi) Yoda spoke it seems: \ldots and compare we should $\rightarrow$ \ldots and you should compare
  
  Already corrected in the digital version.

  \item \textit{II-297*} heading (FMi) Chapter title not properly capitalized.
  
  Already corrected in the digital version.

  \item \textit{II-435*} code (FMi) \texttt{\textcolor{See}{\textcolor{blue}{See}}}
  \texttt{\textcolor{See}{\textcolor{blue}{See}}}
  
  Already corrected in the digital version.

  \item \textit{II-297*} heading (FMi) Appendix title not properly capitalized.
  
  Already corrected in the digital version.

\end{itemize}

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

BeB Bernd Burkhardt (3) MJo Maciej Jończyk (1) kb Karl Berry (13)
FMi Frank Mittelbach (37) 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.,

\texttt{frank.mittelbach@latex-project.org}
preferably in a form usable directly in this file, i.e.,

```latex
\erroronpage{page-number}{line-identification}{your-initials}{date}{}
\hspace{1cm} description of the erratum
```

Here is an example:

```latex
\erroronpage{5}{para 3, 1.1}{FMi}{2023/06/21}{}
\texttt{\LaTeX} \hspace{1cm} \texttt{\LaTeX}
\hspace{1cm} \texttt{\LaTeX}\texttt{\LaTeX} \hspace{1cm} \texttt{\LaTeX}
\texttt{LaTeX} \hspace{1cm} \texttt{LaTeX}
```

\texttt{\LaTeX} underlines a text fragment and \texttt{\LaTeX} produces →.