

## Revision history

- v7.98 — 31 January 2023** Added many more exercises. Corrected many bits of poor grammar and wordy explanations. Completely rewrote the section on fonts. pdf<sub>l</sub>at<sub>e</sub>x and plain LaTeX are now omitted (ie XeLaTeX only).
- v7.97 — 1 November 2022** Started work on adding exercises. Added Discord to help section.
- v7.96 — 11 October 2022** Added docx2tex converter and rationalised the section.
- v7.95 — 23 September 2022** Rewrote the terminology and description of floats.
- v7.93 — 13 August 2022** Rewrite of the TTF and OTF font installation section, updates to the accuracy of the other font installation sections.
- v7.92 — 9 August 2022** Updated BachoT<sub>E</sub>X conference cancellation.
- v7.91 — 9 June 2022** Updated BachoT<sub>E</sub>X conference.
- v7.9 — 20 February 2022** Updated conferences. Changed the Quick Start to use XeLaTeX and updated the commentary on the commands used.
- v7.85 — 10 July 2021** Updated list of commercial implementations to remove companies no longer trading.
- v7.84 — 16 February 2021** Added new favicon.
- v7.83 — 10 December 2020** Updated reference to csvtools in tables to datatool, and added image of tabled being edited in L<sub>y</sub>X.
- v7.82 — 23 April 2020** Added footnote in verbatim about the alignment of the end command in other packages
- v7.81 — 19 November 2018** Updated and rewrote the section on image file formats
- v7.8 — 25 February 2018** Updated BachoT<sub>E</sub>X and MarkupUP

*Revision history*

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- v7.7 — 14 February 2018** Updated conference dates; added details of `lwarp`; fixed `bibref` pointer to PDF pages where given.
- v7.6 — 14 May 2017** Added salient comments about how to choose an editor from Michael Sperberg-McQueen, and slides from TUG 2017 from Barbara Beeton on how to handle  $\LaTeX$  errors.
- v7.5 — 21 January 2017** Full update of Mac and Windows installation with new screenshots and a new layout for procedures; introduction of an XSLT routine to test when an element is immediately preceded by another element with only white-space intervening, and to generate a space token if needed (this overcomes the design flaw alluded to in the revision comments to v3.7 below); many updates to phraseology, and removal of obsolete mentions of packages and practices.
- v7.45 — 4 November 2016** Updated details of TDS package installation
- v7.44 — 11 October 2016** Updated details of meetings
- v7.43 — 15 April 2016** Updated comments on superscripted ordinals, spacing around em rules, and details of loading OTF/TTF fonts
- v7.42 — 1 March 2016** Edited all sections, corrected spellings, updated package details and all examples to  $X_{\text{p}}\LaTeX$ /`biblatex`/`biber`, fixed stray typos, checked links,. This is preparatory to v8, due for later in 2016.
- v7.41 — 30 January 2016** Minor typos, updated event dates
- v7.4 — 16 November 2015** Started updating converters
- v7.3 — 26 October 2015** Updated meetings for 2016
- v7.2 — 12 July 2015** Several sections re-ordered to present the material in a more logical fashion. Numerous grammatical elisions corrected, and some late typos (thanks to Rob Borland).
- v7.1 — 10 June 2015** Minor changes to accommodate revised PDF format.

- v7.0 — 30 July 2014** Completely re-edited, large sections rewritten, obsolete material removed, including installation changes for the 2014 DVD, and a completely new responsive web site launched.
- v6.0 — 30 December 2013** Updated links, replaced references to obsolescent packages, rewrote installation for the 2013 DVD
- v5.7 — 21 December 2011** Moved and expanded the details of creating a Personal T<sub>E</sub>X Directory. Added new section on using the LaTeX Font Catalogue.
- v5.6 — 1 November 2011** Revised installation details for TL2011.
- v5.5 — 25 May 2011** Minor revision; added details of page references in citations, a warning about the broken harvard.sty and its solution with natbib and har2nat, and a reference to bibunits.
- v5.4 — 27 April 2011** Minor revision; added details of packages for body type size options; fixed bug in HTML bibrefs which were failing to retrieve the date.
- v5.3 — 22 March 2011** Minor revision; removed mention of VTeX as a synchronous typographic editor and replaced with BaKoMa TeX. Located and fixed XSLT bug which was preventing cross-reference IDs being used correctly. Finally tracked down the non-appearance of italics in some places (no Lite Italic in my copy of Antique Olive).
- v5.2 — 13 March 2011** Minor revision; even finer details of the problems Windows users face at installation.
- v5.1 — 5 March 2011** Minor revision; spellings and font selection errors repaired; missing rule in HTML table example; better details of the problems Windows users face at installation.
- v5 — 28 January 2011** Major revision; Installation and Editors sections rewritten, remaining package references updated, and more new ones added.
- v4 — 1 April 2009** Major revision; Installation and Editors sections reorganised, all package references updated, and new ones added.

**v3.7 — 22 December 2006** There have again been some small but significant improvements, both in the  $\LaTeX$  code, and in the default installations and implementations. The default colour package is now `xcolor`; the default output for many people is now `PDF`; and the advent of  $X_{\LaTeX}$  means that TrueType fonts and Unicode are now much more easily supported. The DocBook DTD has been updated to 4.4, and the TypeBook DTD shim likewise, and the IGNOREd code from 3.5 and earlier versions has now finally been dropped. `XSLT` still has the notorious design flaw of ignoring whitespace nodes in mixed content when a DTD is used, but this seems to have gone unnoticed except by the publishing industry. The use of the `citetitle` element for bibliographic references has been replaced by `biblioref`.

**v3.6 — 31 March 2005** Since the publication of the November 2003 edition in TUGboat, several new books on  $\LaTeX$  have been released, and this edition reflects some of the new material and approaches contained in them. See the Bibliography for details of these publications. The only technical change has been to use empty elements for the  $\TeX$ ,  $\LaTeX$ , and other logos instead of the more usual entities so that the `HTML` version can use `CSS` to produce better logos. Thanks to whoever wrote the `CSS` for  $\TeX4ht$ , which is where I found the styles.

**v3.5 — 29 July 2004** Modified DTD to add span element type to allow use of external entities for formatted  $\TeX$ ,  $\LaTeX$ , and other logos in the `HTML` version. Changed entity declaration in the internal subset to enable this, and switched declarations and marked sections in the DTD. This now means it needs Saxon 7 or 8 to process, as Saxon 6 does not handle parameter entities values used as parameter entity declarations.

**v3.4 — 9 November 2003** Applied all Barbara Beeton's corrections (see separate emails) and rewrote a few formatting macros to allow the document to fit more easily into US Letter shape. It would be nice if it would also format for A5 so that it could become a paperback but that's another day's work. Started on writing the missing sections (Installing Type 1 `CM` Fonts and Going beyond  $\LaTeX$ , but these are not finished yet) and rewrote entirely

the existing (non-CM) Type 1 font installation procedure in line with the new (unreleased) Gutta-Percha script. Added hidden meanings for CD, DVD, IBM.

- v3.3 — 20 August 2003** Fixed `XSLT` bug which wrongly lettered appendices. Fixed problem which called wrong font for examples of Times and Helvetica (thanks to William Adams). Updated numerous typos, added comments about `pdftex` option to color. Rewrote formatting for TUGboat.
- v3.2 — 5 March 2003** Finished rewrite. Revised and expanded almost everything.
- v3.1 — 28 August 2002** Recast in DocBook and reworded some sections. Started the big rewrite.