

# Programming L<sup>A</sup>T<sub>E</sub>X — A survey of documentation and packages

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Github: <https://github.com/bdte/docsurvey>

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## Abstract

A survey of documentation for L<sup>A</sup>T<sub>E</sub>X. Included are references to printed and electronic books and manuals, symbol lists, FAQs, the L<sup>A</sup>T<sub>E</sub>X source code, CTAN and distributions, programming-related packages, users groups and online communities, and information on creating packages and documentation.

## Contents

<b>Introduction</b>	<b>3</b>
<b>Printed books</b>	<b>3</b>
<b>Books and documentation by category</b>	<b>5</b>
T <sub>E</sub> X	5
L <sup>A</sup> T <sub>E</sub> X	7
LuaL <sup>A</sup> T <sub>E</sub> X	9
X <sub>Y</sub> L <sup>A</sup> T <sub>E</sub> X	10
L <sup>A</sup> T <sub>E</sub> X3 and expl3	10
Lua	11
Bibliography	11
Math	11
Page headings	12
Tables	12
Graphics	12
Music	13
Presentations	13
Fonts	14
FAQs, symbol references, cheat sheets	15
Source code	17
International languages	17
Multiple languages	17
Brazilian Portuguese	18
Bulgarian	18
Catalan	18
Chinese	18
Czech	20
Dutch	20
Estonian	20

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Finnish . . . . .	20
French . . . . .	21
German . . . . .	23
Indian . . . . .	24
Italian . . . . .	24
Japanese . . . . .	24
Korean . . . . .	25
Marathi . . . . .	25
Mongol . . . . .	25
Persian . . . . .	26
Polish . . . . .	26
Portuguese . . . . .	26
Russian . . . . .	26
Slovenian . . . . .	27
Spanish . . . . .	27
Thai . . . . .	28
Turkish . . . . .	28
Ukrainian . . . . .	28
Vietnamese . . . . .	28
Journals . . . . .	29
Interviews . . . . .	29
Typesetting examples . . . . .	29
General typesetting theory . . . . .	29
<b>Accessing embedded information</b>	<b>31</b>
texdoc and mthelp . . . . .	31
kpsewhich . . . . .	31
<b>Distributions — L<sup>A</sup>T<sub>E</sub>X for various operating systems</b>	<b>31</b>
<b>Managing TeXLive</b>	<b>32</b>
<b>Obtaining packages — Comprehensive T<sub>E</sub>X Archive Network (CTAN)</b>	<b>32</b>
<b>Useful classes, packages, and programs</b>	<b>32</b>
General-use packages and classes . . . . .	32
Automatic compiling . . . . .	34
Converting to HTML and other document formats . . . . .	34
Programming L <sup>A</sup> T <sub>E</sub> X . . . . .	35
Programming-related documentation . . . . .	35
Advanced programming . . . . .	35
Programming for PDF management and tagging . . . . .	36
<b>Creating and documenting new packages</b>	<b>36</b>
<b>The L<sup>A</sup>T<sub>E</sub>X Project</b>	<b>37</b>
<b>Users groups</b>	<b>37</b>
<b>Online communities</b>	<b>38</b>
<b>Online editing and collaboration</b>	<b>38</b>
<b>Change log</b>	<b>38</b>

## Introduction

Reinventing the wheel may be useful if you think that you can do it better. Worse, though, is not even being aware that the wheel has already been invented in the first place, which can be an embarrassing waste of time. Such can be the case both for a new L<sup>A</sup>T<sub>E</sub>X programmer who isn't aware of the many ways things may be done, but also for someone, this author included, who learned L<sup>A</sup>T<sub>E</sub>X many years ago but may have missed some of the recent advancements in package code and documentation.

A wealth of information is available, not only in print and online, but also directly embedded in the typical L<sup>A</sup>T<sub>E</sub>X distribution. The following is meant to be a broad overview of some of today's resources for L<sup>A</sup>T<sub>E</sub>X programmers.

In some cases the same document may be listed in several categories. For example, a graphics FAQ also available in French may be listed under graphics, FAQs, and also French documents.

Many older documents are not included.

(The latest version of this document is available as the L<sup>A</sup>T<sub>E</sub>X docsurvey package.)

## Printed books

Even in an electronic/online era, printed books still have the advantage of being able to be opened for reference without taking up space on the screen. Printed books also provide extended discussion of useful topics, have extensive human-edited indexes which are more useful than a simple document-wide search function, and some are also available in electronic format.

### T<sub>E</sub>X FAQ

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*T<sub>E</sub>X FAQ*. URL: <https://texfaq.org/>.

An online resource, which includes a detailed list of printed books.

### More Math Into L<sup>A</sup>T<sub>E</sub>X

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Grätzer

George Grätzer. *More Math Into L<sup>A</sup>T<sub>E</sub>X*. 5th ed. Springer, 2016. ISBN: 978-3-319-23795-4. URL: <https://www.springer.com/gp/book/9783319237954>.

Updated edition.

### Programming in Lua

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Ierusalimschy

Roberto Ierusalimschy. *Programming in Lua*. 4th ed. Lua.Org, 2016. 388 pp. ISBN: 978-8590379867. URL: <https://www.lua.org/pil>.

A detailed and authoritative introduction to all aspects of Lua programming written by Lua's chief architect. Recent edition, available as book or ebook.

### Guide to L<sup>A</sup>T<sub>E</sub>X

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Kopka et al.

Helmut Kopka and Patrick W. Daly. *Guide to L<sup>A</sup>T<sub>E</sub>X*. 4th ed. Addison-Wesley Professional, 2004. 597 pp. ISBN: 0-321-17385-6. URL: <https://www.pearson.com/us/higher-education/program/Kopka-Guide-to-La-Te-X-4th-Edition/PGM156755.html>.

An introduction and more advanced material, including an extensive reference guide.

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**L<sup>A</sup>T<sub>E</sub>X Beginner's Guide****Kottwitz**

Stefan Kottwitz. *L<sup>A</sup>T<sub>E</sub>X Beginner's Guide*. Packt Publishing, 2011. ISBN: 1847199860. URL: <https://www.packtpub.com/product/latex-beginner-s-guide/9781847199867>.

An overview with numerous examples.

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**L<sup>A</sup>T<sub>E</sub>X Cookbook****Kottwitz**

Stefan Kottwitz. *L<sup>A</sup>T<sub>E</sub>X Cookbook*. Packt Publishing, 2015. ISBN: 978-1-784-39514-8. URL: <http://latex-cookbook.net>.

More examples.

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**L<sup>A</sup>T<sub>E</sub>X: A Document Preparation System****Lamport**

Leslie Lamport. *L<sup>A</sup>T<sub>E</sub>X: A Document Preparation System*. 2nd ed. Addison Wesley Professional, 1994. 272 pp. ISBN: 0-201-52983-1. URL: <https://www.pearson.com/us/higher-education/program/Lamport-La-TeX-A-Document-Preparation-System-2nd-Edition/PGM159713.html>.

The classic introduction to L<sup>A</sup>T<sub>E</sub>X, in continuous reprint for decades.

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**The L<sup>A</sup>T<sub>E</sub>X Companion, 3rd Edition****Mittelbach et al.**

Frank Mittelbach and Ulrike Fischer. *The L<sup>A</sup>T<sub>E</sub>X Companion, 3rd Edition*. 3rd ed. Addison-Wesley, 2023. 1980 pp. ISBN: 978-0-13-816657-1. URL: <https://www.informit.com/store/latex-companion-parts-i-ii-3rd-edition-9780138166571>.

Provides extended discussion and examples of the inner workings of L<sup>A</sup>T<sub>E</sub>X and hundreds of useful packages.

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**Books about T<sub>E</sub>X, typography, and friends****T<sub>E</sub>X Users Group**

T<sub>E</sub>X Users Group. *Books about T<sub>E</sub>X, typography, and friends*. URL: <http://tug.org/books/>.

T<sub>E</sub>X Users Group book store, with reviews. Includes more than 75 books. Categories: published by TUG, by Donald E. Knuth, about T<sub>E</sub>X and its applications, about typography and fonts, and about other related topics. Discounts for TUG members.

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**Presentations with L<sup>A</sup>T<sub>E</sub>X****Voß**

Herbert Voß. *Presentations with L<sup>A</sup>T<sub>E</sub>X*. Lehmanns Media GmbH, 2012. 206 pp. ISBN: 9783865414960.

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**PSTricks: Graphics and PostScript for T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X****Voß**

Herbert Voß. *PSTricks: Graphics and PostScript for T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X*. UIT Cambridge, 2011. ISBN: 978-1-906-86013-4. URL: <https://www.uit.co.uk/pstricks>.

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**Typesetting Mathematics with L<sup>A</sup>T<sub>E</sub>X****Voß**

Herbert Voß. *Typesetting Mathematics with L<sup>A</sup>T<sub>E</sub>X*. UIT Cambridge, 2010. ISBN: 978-1-906-86017-2. URL: <https://www.uit.co.uk/typesetting-mathematics-with-latex>.

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**Typesetting Tables with L<sup>A</sup>T<sub>E</sub>X****Voß**

Herbert Voß. *Typesetting Tables with L<sup>A</sup>T<sub>E</sub>X*. UIT Cambridge, 2011. ISBN: 978-1-906-86025-7. URL: <https://www.uit.co.uk/typesetting-tables-with-latex>.

## Books and documentation by category

Most of these are provided with the T<sub>E</sub>X distribution, and may be updated with each release. Access the embedded documentation from a command line using the `texdoc` program.

### T<sub>E</sub>X

For a list of older books, see <https://www.texfaq.org/FAQ-tex-books>.

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**T<sub>E</sub>X for the Impatient****Abrahams et al.**

Paul W. Abrahams, Kathryn A. Hargreaves, and Karl Berry. *T<sub>E</sub>X for the Impatient*. 2020. 393 pp. URL: <https://ctan.org/pkg/impatient>.

A tutorial and reference for T<sub>E</sub>X, plain T<sub>E</sub>X, and Eplain. Also available in French and Chinese.  
(`texdoc impatient`).

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**A Gentle Introduction to T<sub>E</sub>X****Doob**

Michael Doob. *A Gentle Introduction to T<sub>E</sub>X. A Manual for Self-study*. 2002. 97 pp. URL: <https://ctan.org/pkg/gentle>.

A comprehensive tutorial on plain T<sub>E</sub>X. ( `texdoc gentle` ).

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**T<sub>E</sub>X by Topic****Eijkhout**

Victor Eijkhout. *T<sub>E</sub>X by Topic. A T<sub>E</sub>Xnician's Reference*. Addison-Wesley UK, 1991. 317 pp. ISBN: 0-201-56882-9. URL: <http://eijkhout.net/texbytopic/texbytopic.html>.

A reference for T<sub>E</sub>X. This may be useful for understanding the source code of L<sup>A</sup>T<sub>E</sub>X packages, many of which are quite old and written in low-level T<sub>E</sub>X. ( `texdoc texbytopic` ).

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**T<sub>E</sub>X in a Nutshell****Olšák**

Petr Olšák. *T<sub>E</sub>X in a Nutshell*. 2023. 31 pp. URL: <https://ctan.org/pkg/tex-nutshell>.

The basics of plain T<sub>E</sub>X. ( `texdoc tex-nutshell` ).

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**Wikibooks**

*Wikibooks. TeX*. URL: <https://en.wikibooks.org/wiki/TeX>.

An online book about low-level T<sub>E</sub>X.

**Getting Started with Plain T<sub>E</sub>X**

**Wilkins**

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D. R. Wilkins. *Getting Started with Plain T<sub>E</sub>X*. 1994. 40 pp. URL: <http://www.ntg.nl/doc/wilkins/pllong.pdf>.

**L<sup>A</sup>T<sub>E</sub>X****Writing Scientific Documents Using L<sup>A</sup>T<sub>E</sub>X****Bennieston**

Andrew J. Bennieston. *Writing Scientific Documents Using L<sup>A</sup>T<sub>E</sub>X*. 2009. URL: <https://ctan.org/pkg/intro-scientific>.

An introduction to typesetting scientific documents.

**Formatting Information, A beginner's introduction to typesetting with L<sup>A</sup>T<sub>E</sub>X****Flynn**

Peter Flynn. *Formatting Information, A beginner's introduction to typesetting with L<sup>A</sup>T<sub>E</sub>X*. 2005. URL: <https://ctan.org/pkg/beginlatex>.

A beginner's introduction to typesetting with L<sup>A</sup>T<sub>E</sub>X.

**The very short guide to typesetting with L<sup>A</sup>T<sub>E</sub>X****Flynn**

Peter Flynn. *The very short guide to typesetting with L<sup>A</sup>T<sub>E</sub>X*. 2016. URL: <https://ctan.org/pkg/latex-veryshortguide>.

A four-page introduction.

**L<sup>A</sup>T<sub>E</sub>X for Word Processor Users****Gonzato**

Guido Gonzato. *L<sup>A</sup>T<sub>E</sub>X for Word Processor Users*. 2023. 46 pp. URL: <https://ctan.org/pkg/latex4wp>.

Helps converting knowledge and techniques of word processing into the L<sup>A</sup>T<sub>E</sub>X typesetting environment. (texdoc latex4wp).

**L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>: An unofficial reference manual****Greenwade et al.**

George D. Greenwade et al. *L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>: An unofficial reference manual*. English, French, Spanish. 246 pp. URL: <https://latexref.xyz>.

A thorough but concise reference manual for L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, available in several languages. (texdoc -l latex2e-help).

**Getting something out of L<sup>A</sup>T<sub>E</sub>X****Hefferon**

Jim Hefferon. *Getting something out of L<sup>A</sup>T<sub>E</sub>X*. 2009. URL: <https://ctan.org/pkg/first-latex-doc>.

Create your first document in L<sup>A</sup>T<sub>E</sub>X.

**Guide to L<sup>A</sup>T<sub>E</sub>X****Kopka et al.**

Helmut Kopka and Patrick W. Daly. *Guide to L<sup>A</sup>T<sub>E</sub>X*. 4th ed. Addison-Wesley Professional, 2004. 597 pp. ISBN: 0-321-17385-6. URL: <https://www.pearson.com/us/higher-education/program/Kopka-Guide-to-La-Te-X-4th-Edition/PGM156755.html>.

An introduction and more advanced material, including an extensive reference guide.

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**L<sup>A</sup>T<sub>E</sub>X Beginner's Guide****Kottwitz**

Stefan Kottwitz. *L<sup>A</sup>T<sub>E</sub>X Beginner's Guide*. Packt Publishing, 2011. ISBN: 1847199860. URL: <https://www.packtpub.com/product/latex-beginner-s-guide/9781847199867>.

An overview with numerous examples.

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**L<sup>A</sup>T<sub>E</sub>X Cookbook****Kottwitz**

Stefan Kottwitz. *L<sup>A</sup>T<sub>E</sub>X Cookbook*. Packt Publishing, 2015. ISBN: 978-1-784-39514-8. URL: <http://latex-cookbook.net>.

More examples.

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**L<sup>A</sup>T<sub>E</sub>X: A Document Preparation System****Lamport**

Leslie Lamport. *L<sup>A</sup>T<sub>E</sub>X: A Document Preparation System*. 2nd ed. Addison Wesley Professional, 1994. 272 pp. ISBN: 0-201-52983-1. URL: <https://www.pearson.com/us/higher-education/program/Lamport-La-TeX-A-Document-Preparation-System-2nd-Edition/PGM159713.html>.

The classic introduction to L<sup>A</sup>T<sub>E</sub>X, in continuous reprint for decades.

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**L<sup>A</sup>T<sub>E</sub>X for Undergraduates****Lounsbury**

Andrew Lounsbury. *L<sup>A</sup>T<sub>E</sub>X for Undergraduates*. 2022. 18 pp. URL: <https://ctan.org/pkg/latex-for-undergraduates>.

A minimalist introduction for undergraduate students, including setup and editors. Be sure to locate and open the source file `LaTeX_for_Undergraduates.tex` (texdoc `latex-for-undergraduates`).

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**The L<sup>A</sup>T<sub>E</sub>X Companion, 3rd Edition****Mittelbach et al.**

Frank Mittelbach and Ulrike Fischer. *The L<sup>A</sup>T<sub>E</sub>X Companion, 3rd Edition*. 3rd ed. Addison-Wesley, 2023. 1980 pp. ISBN: 978-0-13-816657-1. URL: <https://www.informit.com/store/latex-companion-parts-i-ii-3rd-edition-9780138166571>.

Provides extended discussion and examples of the inner workings of L<sup>A</sup>T<sub>E</sub>X and hundreds of useful packages.

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**Yet Another Guide to L<sup>A</sup>T<sub>E</sub>X 2 $\epsilon$** **Morris**

Michael P. Morris. *Yet Another Guide to L<sup>A</sup>T<sub>E</sub>X 2 $\epsilon$* . 2023. 72 pp. URL: <https://ctan.org/pkg/yet-another-guide-latex2e>.

Guide for users of Windows and TeXLive.

(texdoc `yet-another-guide-latex2e`).

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**The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2 $\epsilon$** **Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2 $\epsilon$* . Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slove-



nian, Spanish, Thai, Turkish, Ukranian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

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### L<sup>A</sup>T<sub>E</sub>X for authors — current version

L<sup>A</sup>T<sub>E</sub>X Project team

L<sup>A</sup>T<sub>E</sub>X Project team. *L<sup>A</sup>T<sub>E</sub>X for authors — current version*. 2023. 22 pp. URL: <https://www.latex-project.org/help/documentation/usrguide.pdf>.

Guide to the new programming interface for document authors. (texdoc usrguide).

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### L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> for authors — historic version

L<sup>A</sup>T<sub>E</sub>X Project team

L<sup>A</sup>T<sub>E</sub>X Project team. *L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> for authors — historic version*. 2022. 31 pp. URL: <https://ctan.org/pkg/usrguide>.

An overview of the new features of L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> compared to L<sup>A</sup>T<sub>E</sub>X 2.09. (texdoc usrguide-historic).

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### L<sup>A</sup>T<sub>E</sub>X for Complete Novices

Talbot

Nicola L. C. Talbot. *L<sup>A</sup>T<sub>E</sub>X for Complete Novices*. Dickimaw Books, 2012. 279 pp. URL: <http://www.dickimaw-books.com>.

An extensive introduction for a non-technical person. (texdoc dickimaw-novices).

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### Using L<sup>A</sup>T<sub>E</sub>X to Write a PhD Thesis

Talbot

Nicola L. C. Talbot. *Using L<sup>A</sup>T<sub>E</sub>X to Write a PhD Thesis*. Dickimaw Books, 2013. 146 pp. URL: <http://www.dickimaw-books.com>.

A followup to *L<sup>A</sup>T<sub>E</sub>X for Complete Novices*, including extensive discussion about bibliographies, indexes, and glossaries. (texdoc dickimaw-thesis).

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### Wikibooks

Wikibooks. *LaTeX*. 2017. URL: <https://en.wikibooks.org/wiki/LaTeX>.

An online book, includes information about creating L<sup>A</sup>T<sub>E</sub>X packages and classes.

## Lua<sup>A</sup>T<sub>E</sub>X

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### Lua<sup>A</sup>T<sub>E</sub>X Reference Manual

Lua<sup>A</sup>T<sub>E</sub>X development team

Lua<sup>A</sup>T<sub>E</sub>X development team. *Lua<sup>A</sup>T<sub>E</sub>X Reference Manual*. 2020. 318 pp. URL: <http://mirrors.ctan.org/systems/doc/luatex/luatex.pdf>.

The complete reference. (texdoc luatex).

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**A guide to LuaL<sup>A</sup>T<sub>E</sub>X****Pégourié-Gonnard**

Manuel Pégourié-Gonnard. *A guide to LuaL<sup>A</sup>T<sub>E</sub>X*. 2013. 14 pp. URL: <https://ctan.org/pkg/lualatex-doc>.

An overview, and references to related packages.

(texdoc lualatex-doc).

**X<sub>Ǝ</sub>L<sup>A</sup>T<sub>E</sub>X**

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**font-change-xetex****Dhawan**

Amit Raj Dhawan. *font-change-xetex. Macros to use OpenType and TrueType fonts with X<sub>Ǝ</sub>L<sup>A</sup>T<sub>E</sub>X*. 2016. 21 pp. URL: <https://ctan.org/pkg/font-change-xetex>.

For plain X<sub>Ǝ</sub>L<sup>A</sup>T<sub>E</sub>X.

(texdoc font-change-xetex).

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**The X<sub>Ǝ</sub>L<sup>A</sup>T<sub>E</sub>X Companion****Goossens et al.**

Michel Goossens et al. *The X<sub>Ǝ</sub>L<sup>A</sup>T<sub>E</sub>X Companion. T<sub>E</sub>X meets OpenType and Unicode*. 2010. 112 pp. URL: <https://ctan.org/pkg/xetex>.

Introduction to OpenType and Unicode, using OpenType fonts, handling Unicode-encoded sources.

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**The X<sub>Ǝ</sub>L<sup>A</sup>T<sub>E</sub>X reference guide****Robertson et al.**

Will Robertson, Khaled Hosny, and Karl Berry. *The X<sub>Ǝ</sub>L<sup>A</sup>T<sub>E</sub>X reference guide*. 2019. 25 pp. URL: <https://ctan.org/pkg/xetex>.

A summary of additional features over T<sub>E</sub>X.

(texdoc xetex-reference).

**L<sup>A</sup>T<sub>E</sub>X3 and expl3**

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**The L<sup>A</sup>T<sub>E</sub>X3 Interfaces****L<sup>A</sup>T<sub>E</sub>X Project team**

L<sup>A</sup>T<sub>E</sub>X Project team. *The L<sup>A</sup>T<sub>E</sub>X3 Interfaces*. 2020. 310 pp. URL: <https://ctan.org/pkg/l3kernel>.

Reference documentation for the expl3 programming environment.

(texdoc interface3).

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**The L<sup>A</sup>T<sub>E</sub>X3 kernel: style guide for code authors****L<sup>A</sup>T<sub>E</sub>X Project team**

L<sup>A</sup>T<sub>E</sub>X Project team. *The L<sup>A</sup>T<sub>E</sub>X3 kernel: style guide for code authors*. 2020. 5 pp. URL: <https://ctan.org/pkg/l3kernel>.

Style guide for authors using expl3.

(texdoc l3styleguide).

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**The expl3 package and L<sup>A</sup>T<sub>E</sub>X3 programming****L<sup>A</sup>T<sub>E</sub>X Project team**

L<sup>A</sup>T<sub>E</sub>X Project team. *The expl3 package and L<sup>A</sup>T<sub>E</sub>X3 programming*. 2020. 16 pp. URL: <https://ctan.org/pkg/l3kernel>.

Introduction to expl3.

(texdoc expl3).

**L<sup>A</sup>T<sub>E</sub>X3: Programming in L<sup>A</sup>T<sub>E</sub>X with Ease****Xiang**

Ziyue “Alan” Xiang. *L<sup>A</sup>T<sub>E</sub>X3: Programming in L<sup>A</sup>T<sub>E</sub>X with Ease*. URL: <https://www.alanshawn.com/latex3-tutorial/>.

A L<sup>A</sup>T<sub>E</sub>X3 programming tutorial.

**Lua****Programming in Lua****Ierusalimschy**

Roberto Ierusalimschy. *Programming in Lua*. 1st ed. 2003. URL: <https://www.lua.org/pil/contents.html>.

A detailed and authoritative introduction to all aspects of Lua programming written by Lua’s chief architect. First edition, available free online.

**Programming in Lua****Ierusalimschy**

Roberto Ierusalimschy. *Programming in Lua*. 4th ed. Lua.Org, 2016. 388 pp. ISBN: 978-8590379867. URL: <https://www.lua.org/pil>.

A detailed and authoritative introduction to all aspects of Lua programming written by Lua’s chief architect. Recent edition, available as book or ebook.

**Bibliography****Tame the BeaST****Markey**

Nicolas Markey. *Tame the BeaST. The B to X of BibT<sub>E</sub>X*. 2009. 48 pp. URL: <https://ctan.org/pkg/tamethebeast/>.

About bibliographies and BibT<sub>E</sub>X. (texdoc tamethebeast).

**Biblatex Cheat Sheet****Rees**

Clea F. Rees. *Biblatex Cheat Sheet*. 2017. 2 pp. URL: <https://ctan.org/pkg/biblatex-cheatsheet>.

A tri-fold quick reference. (texdoc biblatex-cheatsheet).

**Math****User’s Guide for the amsmath Package****American Mathematical Society et al.**

American Mathematical Society and L<sup>A</sup>T<sub>E</sub>X Project team. *User’s Guide for the amsmath Package*. 2020. 44 pp. URL: <https://ctan.org/pkg/amsmath>.

How to use amsmath. Also see [International languages](#) for the Italian, Japanese, and Vietnamese translations. (texdoc amsmath).

**Short Math Guide for L<sup>A</sup>T<sub>E</sub>X****Downes et al.**

Michael Downes and Barbara Beeton. *Short Math Guide for L<sup>A</sup>T<sub>E</sub>X*. 2017. 21 pp. URL: <https://ctan.org/pkg/short-math-guide>.

A summary of features in L<sup>A</sup>T<sub>E</sub>X and packages for writing math formulas. (`texdoc short-math-guide`).

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**More Math Into L<sup>A</sup>T<sub>E</sub>X****Grätzer**

George Grätzer. *More Math Into L<sup>A</sup>T<sub>E</sub>X*. 5th ed. Springer, 2016. ISBN: 978-3-319-23795-4. URL: <https://www.springer.com/gp/book/9783319237954>.

Updated edition.

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**Farbige Mathematik****Voß**

Herbert Voß. “Farbige Mathematik”. German. In: *TeXnische Komödie* (2004). URL: <https://ctan.org/pkg/voss-mathcol>.

Math in color. In German, but with easy-to-use examples. (`texdoc voss-mathcol`).

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**Typesetting Mathematics with L<sup>A</sup>T<sub>E</sub>X****Voß**

Herbert Voß. *Typesetting Mathematics with L<sup>A</sup>T<sub>E</sub>X*. UIT Cambridge, 2010. ISBN: 978-1-906-86017-2. URL: <https://www.uit.co.uk/typesetting-mathematics-with-latex>.

## Page headings

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**The fancyhdr and extramarks packages****Oostrum**

Pieter van Oostrum. *The fancyhdr and extramarks packages*. 2021. 74 pp. URL: <https://ctan.org/pkg/fancyhdr>.

Documents the fancyhdr and extramarks packages. Also includes an overview of the L<sup>A</sup>T<sub>E</sub>X page mark system. (`texdoc fancyhdr`).

## Tables

Also see the T<sub>E</sub>X FAQ Floats section: <https://www.texfaq.org/#floats>

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**Publication-quality tables in L<sup>A</sup>T<sub>E</sub>X****Fear**

Simon Fear. *Publication-quality tables in L<sup>A</sup>T<sub>E</sub>X*. 2016. 18 pp. URL: <https://ctan.org/pkg/booktabs>.

Documents the booktabs package, and also includes thoughts on the design of tabular layouts in general. (`texdoc booktabs`).

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**Typesetting Tables with L<sup>A</sup>T<sub>E</sub>X****Voß**

Herbert Voß. *Typesetting Tables with L<sup>A</sup>T<sub>E</sub>X*. UIT Cambridge, 2011. ISBN: 978-1-906-86025-7. URL: <https://www.uit.co.uk/typesetting-tables-with-latex>.

## Graphics

Also see the T<sub>E</sub>X FAQ Graphics section: <https://www.texfaq.org/#graphics>

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**Visual PSTricks****Casteleyn**

Jean Pierre Casteleyn. *Visual PSTricks*. English, French. 2016. 261 pp. URL: <https://ctan.org/pkg/visualpstricks>.

A visual FAQ consisting of a small example for each effect. (texdoc -l visualpstricks).

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**Visual TikZ****Casteleyn**

Jean Pierre Casteleyn. *Visual TikZ*. English, French. 2018. 221 pp. URL: <https://ctan.org/pkg/visualtikz>.

A visual FAQ consisting of a small example for each effect. (texdoc -l visualtikz).

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**Using Imported Graphics in L<sup>A</sup>T<sub>E</sub>X and pdfL<sup>A</sup>T<sub>E</sub>X****Reckdahl**

Keith Reckdahl. *Using Imported Graphics in L<sup>A</sup>T<sub>E</sub>X and pdfL<sup>A</sup>T<sub>E</sub>X*. 2006. 124 pp. URL: <https://ctan.org/pkg/epslatex>.

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**The TikZ and PGF Packages****Tantau**

Till Tantau. *The TikZ and PGF Packages*. 2020. 1321 pp. URL: <https://ctan.org/pkg/pgf>.

As well as documenting the packages, this manual also includes “General guidelines and principles concerning the creation of graphics for scientific presentations, papers, and books”.

(texdoc pgfmanual).

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**PSTricks: Graphics and PostScript for T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X****Voß**

Herbert Voß. *PSTricks: Graphics and PostScript for T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X*. UIT Cambridge, 2011. ISBN: 978-1-906-86013-4. URL: <https://www.uit.co.uk/pstricks>.

## Music

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**L<sup>A</sup>T<sub>E</sub>X for Musicians****Gonzato**

Guido Gonzato. *L<sup>A</sup>T<sub>E</sub>X for Musicians*. 2019. 66 pp. URL: <https://ctan.org/pkg/latex4musicians>.

Packages and programs for music symbols, lyrics, chord sheets, sheet music, and guitar tablature. (texdoc latex4musicians).

## Presentations

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**Beamer by Example****Mertz et al.**

Andrew Mertz and William Slough. “Beamer by Example”. In: *The PracT<sub>E</sub>X Journal* 2005.4 (2005). URL: <http://tug.org/pracjourn/2005-4/mertz/mertz.pdf>.

Graduated examples of the beamer package.

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**Examples from the book Presentations with L<sup>A</sup>T<sub>E</sub>X** **Voß**

Herbert Voß. *Examples from the book Presentations with L<sup>A</sup>T<sub>E</sub>X*. German. 2009. URL: <https://ctan.org/pkg/presentations>.

Source for examples from the book.

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**Examples from the book Presentations with L<sup>A</sup>T<sub>E</sub>X** **Voß**

Herbert Voß. *Examples from the book Presentations with L<sup>A</sup>T<sub>E</sub>X*. 2012. URL: <https://ctan.org/pkg/presentations-en>.

Source for examples from the book.

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**Presentations with L<sup>A</sup>T<sub>E</sub>X** **Voß**

Herbert Voß. *Presentations with L<sup>A</sup>T<sub>E</sub>X*. Lehmanns Media GmbH, 2012. 206 pp. ISBN: 9783865414960.

## Fonts

Also see the T<sub>E</sub>X FAQ Fonts section: <https://www.texfaq.org/#fonts>

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**The L<sup>A</sup>T<sub>E</sub>X Font Catalogue** **Jørgensen**

Palle Jørgensen. *The L<sup>A</sup>T<sub>E</sub>X Font Catalogue*. URL: <https://www.tug.org/FontCatalogue/>.

A detailed list of fonts for L<sup>A</sup>T<sub>E</sub>X, each with samples and setup information.

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**L<sup>A</sup>T<sub>E</sub>X font encodings** **Mittelbach et al.**

Frank Mittelbach et al. *L<sup>A</sup>T<sub>E</sub>X font encodings*. 2016. 39 pp. URL: <https://ctan.org/pkg/encguide>.

About T1 encoding, OT1, etc. (texdoc encguide).

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**Essential NFSS2, version 2** **Rahtz**

Sebastian Rahtz. “Essential NFSS2, version 2”. In: *TUGBoat* 14.2 (1993), pp. 132–137. URL: [tug.org/TUGboat/Articles/tb14-2/tb39rahtz-nfss.pdf](http://tug.org/TUGboat/Articles/tb14-2/tb39rahtz-nfss.pdf).

A user’s view of the New Font Selection Scheme, version 2.

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**Using TrueType fonts with T<sub>E</sub>X (L<sup>A</sup>T<sub>E</sub>X) and pdfT<sub>E</sub>X (pdfL<sup>A</sup>T<sub>E</sub>X)** **Rakityansky**

Damir Rakityansky. *Using TrueType fonts with T<sub>E</sub>X (L<sup>A</sup>T<sub>E</sub>X) and pdfT<sub>E</sub>X (pdfL<sup>A</sup>T<sub>E</sub>X)*. URL: <http://www.radamir.com/tex/ttf-tex.htm>.

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**Font selection in L<sup>A</sup>T<sub>E</sub>X: The most frequently asked questions** **Schmidt**

Walter Schmidt. “Font selection in L<sup>A</sup>T<sub>E</sub>X: The most frequently asked questions”. In: *The PracT<sub>E</sub>X Journal* 2006.1 (2006). URL: [tug.org/pracjourn/2006-1/schmidt/schmidt.pdf](http://tug.org/pracjourn/2006-1/schmidt/schmidt.pdf).

Covers basic commands, default fonts, available font families, fonts for certain parts of the document.

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**L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> font selection**
**team**

L<sup>A</sup>T<sub>E</sub>X Project team. *L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> font selection*. 2020. 35 pp. URL: <https://ctan.org/pkg/fntguide>.

Documentation of commands for selecting fonts, as well as those for defining the data-structures used by the selection commands. (texdoc fntguide).

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**Fonts and T<sub>E</sub>X**
**T<sub>E</sub>X User's Group**

T<sub>E</sub>X User's Group. *Fonts and T<sub>E</sub>X*. URL: <http://tug.org/fonts/>.

A collection of links related to T<sub>E</sub>X and fonts.

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**Cyrillic languages support in L<sup>A</sup>T<sub>E</sub>X**
**Volovich et al.**

Vladimir Volovich, Werner Lemberg, and L<sup>A</sup>T<sub>E</sub>X Project team. *Cyrillic languages support in L<sup>A</sup>T<sub>E</sub>X*. 1999. 7 pp. URL: <https://ctan.org/pkg/cyrguide>.

Installation, usage, encodings. (texdoc cyrguide).

**FAQs, symbol references, cheat sheets**


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**Visual PStricks**
**Casteleyn**

Jean Pierre Casteleyn. *Visual PStricks*. English, French. 2016. 261 pp. URL: <https://ctan.org/pkg/visualpstricks>.

A visual FAQ consisting of a small example for each effect. (texdoc -l visualpstricks).

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**Visual TikZ**
**Casteleyn**

Jean Pierre Casteleyn. *Visual TikZ*. English, French. 2018. 221 pp. URL: <https://ctan.org/pkg/visualtikz>.

A visual FAQ consisting of a small example for each effect. (texdoc -l visualtikz).

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**L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> Cheat Sheet**
**Chang**

Winston Chang. *L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> Cheat Sheet*. 2006. 2 pp. URL: <https://ctan.org/pkg/latexcheat>.

A quick-reference guide for L<sup>A</sup>T<sub>E</sub>X and BibT<sub>E</sub>X. Also in Brazilian Portuguese, German, Japanese, and Spanish. (texdoc latexcheat).

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**Detexify**

*Detexify*. URL: <http://detexify.kirelabs.org/classify.html>.

Draw a symbol, and the website tells you which macros might make that symbol.

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**T<sub>E</sub>X FAQ**

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*T<sub>E</sub>X FAQ*. URL: <https://texfaq.org/>.

An online resource, which includes a detailed list of printed books.

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**Online tutorials on L<sup>A</sup>T<sub>E</sub>X****Indian T<sub>E</sub>X Users Group**

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Indian T<sub>E</sub>X Users Group. *Online tutorials on L<sup>A</sup>T<sub>E</sub>X*. 2000. URL: <http://tug.org/tutorials/tugindia/>.

An extensive tutorial covering many aspects of L<sup>A</sup>T<sub>E</sub>X.

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**L<sup>A</sup>T<sub>E</sub>X Cheat Sheet****Lammarsch**

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Marion Lammarsch. *L<sup>A</sup>T<sub>E</sub>X Cheat Sheet*. 2017. 4 pp. URL: <https://ctan.org/pkg/latex-refsheet>.

A reference for L<sup>A</sup>T<sub>E</sub>X with KOMA-Script. (texdoc latex-refsheet).

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**The Comprehensive L<sup>A</sup>T<sub>E</sub>X Symbol List****Pakin**

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Scott Pakin. *The Comprehensive L<sup>A</sup>T<sub>E</sub>X Symbol List*. 2017. 348 pp. URL: <https://ctan.org/pkg/comprehensive>.

More than 14,000 symbols and L<sup>A</sup>T<sub>E</sub>X commands. (texdoc comprehensive).

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**The Visual L<sup>A</sup>T<sub>E</sub>X FAQ****Pakin**

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Scott Pakin. *The Visual L<sup>A</sup>T<sub>E</sub>X FAQ*. 33 pp. URL: <https://ctan.org/pkg/visualfaq>.

Click on a visual element to learn how it is programmed. (texdoc visualFAQ).

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**Biblatex Cheat Sheet****Rees**

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Clea F. Rees. *Biblatex Cheat Sheet*. 2017. 2 pp. URL: <https://ctan.org/pkg/biblatex-cheatsheet>.

A tri-fold quick reference. (texdoc biblatex-cheatsheet).

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**Every symbol (most symbols) defined by unicode-math****Robertson**

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Will Robertson. *Every symbol (most symbols) defined by unicode-math*. 2018. 119 pp. URL: <https://ctan.org/pkg/unicode-math>.

Unicode math symbols. (texdoc unimath-symbols).

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**T<sub>E</sub>X font errors: Cheatsheet****Schlömer**

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Nico Schlömer. *T<sub>E</sub>X font errors: Cheatsheet*. 2010. 3 pp. URL: <https://ctan.org/pkg/tex-font-errors-cheatsheet>.

How T<sub>E</sub>X integrates fonts, and related error messages. (texdoc tex-font-errors-cheatsheet).



**shapecatcher**

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*shapecatcher*. URL: <http://shapecatcher.com/>.

Draw a symbol, and the website tells you which Unicode symbols it might be.

**T<sub>E</sub>X Resources on the Web****T<sub>E</sub>X Users Group**

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T<sub>E</sub>X Users Group. *T<sub>E</sub>X Resources on the Web*. URL: <http://tug.org/interest.html>.

A large collection of links to numerous resources.

**Source code**

The source code for L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> itself is also included in the distribution.

**The L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> Sources****Braams et al.**

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Johannes Braams et al. *The L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> Sources*. 955 pp. URL: <https://ctan.org/pkg/source2e>.

Occasionally useful for figuring out how something really works. (texdoc source2e).

**List of internal L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> Macros useful to Package Authors****Scharrer**

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Martin Scharrer. *List of internal L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> Macros useful to Package Authors*. 14 pp. URL: <https://ctan.org/pkg/macros2e>.

A list of the core L<sup>A</sup>T<sub>E</sub>X macros, each of which is linked to the source code. (texdoc macros2e).

**International languages****Multiple languages**

The following are available in several languages. Also see CTAN's topic for each language for additional translations of package and other documentation.

**Free Programming Books****Foundation**

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Ebook Foundation. *Free Programming Books*. URL: <https://github.com/EbookFoundation/free-programming-books>.

A variety of T<sub>E</sub>X-related and other programming books and documents.

**L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>: An unofficial reference manual****Greenwade et al.**

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George D. Greenwade et al. *L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>: An unofficial reference manual*. English, French, Spanish. 246 pp. URL: <https://latexref.xyz>.

A thorough but concise reference manual for L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, available in several languages. (texdoc -l latex2e-help).

**The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

**LearnL<sup>A</sup>T<sub>E</sub>X.org****Wright et al.**

Joseph Wright et al. *LearnL<sup>A</sup>T<sub>E</sub>X.org*. Catalan, German, English, French, Marathi, Portuguese, Vietnamese. 2021. URL: <https://www.learnlatex.org/>.

Sixteen lessons with examples, in multiples languages.

**Brazilian Portuguese****Guia Rápido L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Chang**

Winston Chang. *Guia Rápido L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Brazilian. Trans. by Silvio C. G. Granja. 2006. 2 pp. URL: <https://ctan.org/pkg/latexcheat-ptbr>.

A quick-reference guide for L<sup>A</sup>T<sub>E</sub>X and BibT<sub>E</sub>X. (texdoc latexcheat-ptbr).

**L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> Via Exemplos****Massago**

Sadao Massago. *L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> Via Exemplos*. Brazilian. 2018. 264 pp. URL: <https://ctan.org/pkg/latex-via-exemplos>.

A study course.

**Bulgarian****The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

**Catalan****LearnL<sup>A</sup>T<sub>E</sub>X.org****Wright et al.**

Joseph Wright et al. *LearnL<sup>A</sup>T<sub>E</sub>X.org*. Catalan, German, English, French, Marathi, Portuguese, Vietnamese. 2021. URL: <https://www.learnlatex.org/>.

Sixteen lessons with examples, in multiples languages.

**Chinese**

(Also see the Chinese category of the package list: p. 34)

**T<sub>E</sub>X 急就帖****Abrahams et al.**

Paul W. Abrahams, Kathryn A. Hargreaves, and Karl Berry. *T<sub>E</sub>X 急就帖*. Chinese. 2014. 429 pp. URL: <https://ctan.org/pkg/impatient>.

A tutorial and reference for T<sub>E</sub>X, plain T<sub>E</sub>X, and Eplain. (texdoc impatient-cn).

**Asymptote 范例教程**

刘海洋

刘海洋. *Asymptote 范例教程*. Chinese. 2009. URL: <https://ctan.org/pkg/asymptote-by-example-zh-cn>.

A tutorial for asymptote in the form of a graphical FAQ. (texdoc asymptote-by-example-zh-cn).

**C<sub>T</sub>E<sub>X</sub> FAQ (常见问题集)**

吴凌云

吴凌云. *C<sub>T</sub>E<sub>X</sub> FAQ (常见问题集)*. Chinese. 2007. URL: <https://ctan.org/pkg/ctex-faq>.

FAQ from the Chinese T<sub>E</sub>X Society. (texdoc ctex-faq).

一份简短的关于 L<sup>A</sup>T<sub>E</sub>X 安装的介绍

王然

王然. 一份简短的关于 L<sup>A</sup>T<sub>E</sub>X 安装的介绍. Chinese. 2020. 49 pp. URL: <https://ctan.org/pkg/install-latex-guide-zh-cn>.

Installing L<sup>A</sup>T<sub>E</sub>X and compiling documents, using various operating systems. (texdoc install-latex-guide-zh-cn).

**Asymptote 中的常见问题 (FAQ)**

译者

译者. *Asymptote 中的常见问题 (FAQ)*. Chinese. 2009. 26 pp. URL: <https://ctan.org/pkg/asymptote-faq-zh-cn>.

A translation of the Asymptote FAQ. (texdoc asymptote-faq-zh-cn).

**L<sup>A</sup>T<sub>E</sub>X Notes v 1.20****Huang**

Alpha Huang. *L<sup>A</sup>T<sub>E</sub>X Notes v 1.20*. Chinese. 2008. 107 pp. URL: <https://ctan.org/pkg/latex-notes-zh-cn>.

An introduction to T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X, including the use of Chinese fonts. (texdoc latex-notes).

**The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

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关于 tlmgr 使用方法的简介

Sun

Zhonghao Sun. 关于 tlmgr 使用方法的简介. Chinese. 20 pp. URL: <https://ctan.org/pkg/tlmgr-intro-zh-cn>.

Chinese translation of *Basic Usage of tlmgr, the TeXLive Manager*. (texdoc tlmgr-intro-zh-cn).

### Czech

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**The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>**

Oetiker

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

### Dutch

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**The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>**

Oetiker

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

### Estonian

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**The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>**

Oetiker

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

### Finnish

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**Käytännöllistä Latexia**

Likonen

Teemu Likonen. *Käytännöllistä Latexia*. Finnish. 2021. 274 pp. URL: <https://ctan.org/pkg/kaytannollista-latexia>.

A practical manual in Finnish (texdoc latexia).

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**The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>**

Oetiker

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

**French**

Also see [Online communities](#).

**T<sub>E</sub>X pour l'Impatient****Abrahams et al.**

Paul W. Abrahams, Kathryn A. Hargreaves, and Karl Berry. *T<sub>E</sub>X pour l'Impatient*. French. 2004. 407 pp. URL: <https://ctan.org/pkg/impatient>.

A tutorial and reference for T<sub>E</sub>X, plain T<sub>E</sub>X, and Eplain. (texdoc impatient-fr).

**Apprends L<sup>A</sup>T<sub>E</sub>X!****Baudoin**

Marc Baudoin. *Apprends L<sup>A</sup>T<sub>E</sub>X!* French. 2012. 222 pp. URL: [http://www.babafou.eu.org/Apprends\\_LaTeX](http://www.babafou.eu.org/Apprends_LaTeX).

A full textbook written for École Nationale Supérieure de Techniques Avancées.

**Initiation à L<sup>A</sup>T<sub>E</sub>X****Bouzigues**

Adrien Bouzigues. *Initiation à L<sup>A</sup>T<sub>E</sub>X. Pour débutants ou jeunes utilisateurs*. French. 2017. 273 pp. URL: <https://ctan.org/pkg/guide-latex-fr>.

A guide on L<sup>A</sup>T<sub>E</sub>X — for beginners or advanced users.

**Visual PStricks****Casteleyn**

Jean Pierre Casteleyn. *Visual PStricks*. English, French. 2016. 261 pp. URL: <https://ctan.org/pkg/visualpstricks>.

A visual FAQ consisting of a small example for each effect. (texdoc -l visualpstricks).

**Visual TikZ****Casteleyn**

Jean Pierre Casteleyn. *Visual TikZ*. English, French. 2018. 221 pp. URL: <https://ctan.org/pkg/visualtikz>.

A visual FAQ consisting of a small example for each effect. (texdoc -l visualtikz).

**French FAQ of the Gutenberg T<sub>E</sub>X user group**

*French FAQ of the Gutenberg T<sub>E</sub>X user group*. French. Trans. by Marie-Paule Kluth. URL: <https://faq.gutenberg-asso.fr>.

**Rédaction avec L<sup>A</sup>T<sub>E</sub>X****Goulet**

Vincent Goulet. *Rédaction avec L<sup>A</sup>T<sub>E</sub>X*. French. 2020. 196 pp. URL: <https://ctan.org/pkg/formation-latex-ul>.

An introductory course prepared for Université Laval, Québec, Canada.  
(texdoc formation-latex-ul), (texdoc formation-latex-ul-diapos).

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**L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>: An unofficial reference manual****Greenwade et al.**

George D. Greenwade et al. *L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>: An unofficial reference manual*. English, French, Spanish. 246 pp. URL: <https://latexref.xyz>.

A thorough but concise reference manual for L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, available in several languages. (texdoc -l latex2e-help).

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**Tout ce que vous avez toujours voulu savoir sur L<sup>A</sup>T<sub>E</sub>X sans jamais oser le demander****Lozano**

Vincent Lozano. *Tout ce que vous avez toujours voulu savoir sur L<sup>A</sup>T<sub>E</sub>X sans jamais oser le demander*. French. 2011. 271 pp. URL: <http://lozzone.free.fr/index.php?vlunch=latex>.

A book for beginners.

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**The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

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**Utilisation de Graphiques Importés dans L<sup>A</sup>T<sub>E</sub>X 2****Reckdahl**

Keith Reckdahl. *Utilisation de Graphiques Importés dans L<sup>A</sup>T<sub>E</sub>X 2*. French. 2001. 148 pp. URL: <https://ctan.org/pkg/fepslatex>.

How to import graphics in L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>. (texdoc fepslatex).

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**X<sub>Y</sub>L<sup>A</sup>T<sub>E</sub>X — Appliqué aux sciences humaines****Rouquette**

Maïeul Rouquette. *X<sub>Y</sub>L<sup>A</sup>T<sub>E</sub>X — Appliqué aux sciences humaines*. French. 2012. 268 pp. URL: <https://ctan.org/pkg/latex-sciences-humaines>.

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**Apprendre à programmer en T<sub>E</sub>X****Tellechea**

Christian Tellechea. *Apprendre à programmer en T<sub>E</sub>X*. French. 2014. 580 pp. URL: <https://ctan.org/pkg/apprendre-a-programmer-en-tex>.

Basic programming of T<sub>E</sub>X, with examples. (texdoc apprendre).

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**TeXniques**

*TeXniques*. Groupe francophone des Utilisateurs de T<sub>E</sub>X, L<sup>A</sup>T<sub>E</sub>X et logiciels compagnons. French. URL: <https://www.gutenberg.eu.org/TeXniques>.

A collection of resources.

**LearnL<sup>A</sup>T<sub>E</sub>X.org****Wright et al.**

Joseph Wright et al. *LearnL<sup>A</sup>T<sub>E</sub>X.org*. Catalan, German, English, French, Marathi, Portuguese, Vietnamese. 2021. URL: <https://www.learnlatex.org/>.

Sixteen lessons with examples, in multiples languages.

**German**

(Also see [Users groups](#), and [Online communities](#).)

**L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> Befehlsübersicht****Chang**

Winston Chang. *L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> Befehlsübersicht*. German. Trans. by Tammo Schwindt. 2006. 2 pp. URL: <https://ctan.org/pkg/latexcheat-de>.

A quick-reference guide for L<sup>A</sup>T<sub>E</sub>X and BibT<sub>E</sub>X.

(texdoc latexcheat-de).

**The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package.

(texdoc -l lshort).

**The DANTE T<sub>E</sub>X Users Group Frequently Asked Questions**

*The DANTE T<sub>E</sub>X Users Group Frequently Asked Questions*. German. URL: <https://ctan.org/pkg/faq-de>.

**Farbige Mathematik****Voß**

Herbert Voß. “Farbige Mathematik”. German. In: *TeXnische Komödie* (2004). URL: <https://ctan.org/pkg/voss-mathcol>.

Math in color. In German, but with easy-to-use examples.

(texdoc voss-mathcol).

**Anleitung****Weissenburger et al.**

Jens Weissenburger and Damir Rakityansky. *Anleitung*. German. 2003. URL: <https://ctan.org/pkg/anleitung>.

Using L<sup>A</sup>T<sub>E</sub>X, MikT<sub>E</sub>X, and TrueType fonts.

**LearnL<sup>A</sup>T<sub>E</sub>X.org****Wright et al.**

Joseph Wright et al. *LearnL<sup>A</sup>T<sub>E</sub>X.org*. Catalan, German, English, French, Marathi, Portuguese, Vietnamese. 2021. URL: <https://www.learnlatex.org/>.

Sixteen lessons with examples, in multiples languages.

**Indian****A practical guide to L<sup>A</sup>T<sub>E</sub>X and polyglossia for Indian Languages****Holkar**

Rohit Dilip Holkar. *A practical guide to L<sup>A</sup>T<sub>E</sub>X and polyglossia for Indian Languages*. Marathi. 2017. 37 pp. URL: <https://ctan.org/pkg/latex-mr>.

Discusses Marathi, but also relevant to other Indian languages. (texdoc latex-mr).

**Italian****Manuale utente per il pacchetto amsmath****American Mathematical Society et al.**

American Mathematical Society and L<sup>A</sup>T<sub>E</sub>X Project team. *Manuale utente per il pacchetto amsmath*. Italian. Trans. by Giulio Agostini et al. 1999. 39 pp. URL: <http://tug.ctan.org/tex-archive/info/italian/amslldoc/itamslldoc.pdf>.

Manual for amsmath. (texdoc amslldoc-it).

**L<sup>A</sup>T<sub>E</sub>X per utenti di word processor****Gonzato**

Guido Gonzato. *L<sup>A</sup>T<sub>E</sub>X per utenti di word processor*. Italian. 2015. 43 pp. URL: <https://ctan.org/pkg/latex4wp-it>.

*L<sup>A</sup>T<sub>E</sub>X for Word Processor Users*, in Italian. (texdoc latex4wp-it).

**The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

**Japanese**

(Also see the Japanese category of the package list: p. 34)

**User's Guide for the amsmath Package****American Mathematical Society et al.**

American Mathematical Society and L<sup>A</sup>T<sub>E</sub>X Project team. *User's Guide for the amsmath Package*. Japanese. Trans. by Yukitoshi FUJIMURA. 2018. 45 pp. URL: [https://www.latex-project.org/help/documentation/amslldoc\\_jpn.pdf](https://www.latex-project.org/help/documentation/amslldoc_jpn.pdf).

Manual for amsmath.

**pL<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> チートシート****Chang**

Winston Chang. *pL<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> チートシート*. Japanese. Trans. by Takuto Asakura. 2006. 2 pp. URL: <https://ctan.org/pkg/platexcheat>.

A quick-reference guide for L<sup>A</sup>T<sub>E</sub>X and BibT<sub>E</sub>X. (texdoc platexcheat).



**Short Math Guide for L<sup>A</sup>T<sub>E</sub>X****Downes et al.**

Michael Downes and Barbara Beeton. *Short Math Guide for L<sup>A</sup>T<sub>E</sub>X*. Japanese. Trans. by Yukitoshi FUJIMURA. 2017. 21 pp. URL: [https://www.latex-project.org/help/documentation/short-math-guide\\_jpn.pdf](https://www.latex-project.org/help/documentation/short-math-guide_jpn.pdf).

**The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

**L<sup>A</sup>T<sub>E</sub>X 2<sub>e</sub> for authors****L<sup>A</sup>T<sub>E</sub>X Project team**

L<sup>A</sup>T<sub>E</sub>X Project team. *L<sup>A</sup>T<sub>E</sub>X 2<sub>e</sub> for authors*. Japanese. Trans. by Yukitoshi FUJIMURA. 2015. 34 pp. URL: [https://www.latex-project.org/help/documentation/usrguide\\_jpn.pdf](https://www.latex-project.org/help/documentation/usrguide_jpn.pdf).

An overview of the new features of L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> compared to L<sup>A</sup>T<sub>E</sub>X 2.09.

**Korean**

(Also see the Korean category of the package list: p. 34)

**The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

**Marathi****LearnL<sup>A</sup>T<sub>E</sub>X.org****Wright et al.**

Joseph Wright et al. *LearnL<sup>A</sup>T<sub>E</sub>X.org*. Catalan, German, English, French, Marathi, Portuguese, Vietnamese. 2021. URL: <https://www.learnlatex.org/>.

Sixteen lessons with examples, in multiples languages.

**Mongol****The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

**Persian****The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

**Polish****The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

**Portuguese****Introdução ao Uso do Preparador de Documentos L<sup>A</sup>T<sub>E</sub>X****Campani**

Carlos A. P. Campani. *Introdução ao Uso do Preparador de Documentos L<sup>A</sup>T<sub>E</sub>X*. Portuguese. 2011. 188 pp. URL: <https://ctan.org/pkg/cursolatex>.

A tutorial as PDF slides. (texdoc cursolatex).

**The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

**LearnL<sup>A</sup>T<sub>E</sub>X.org****Wright et al.**

Joseph Wright et al. *LearnL<sup>A</sup>T<sub>E</sub>X.org*. Catalan, German, English, French, Marathi, Portuguese, Vietnamese. 2021. URL: <https://www.learnlatex.org/>.

Sixteen lessons with examples, in multiples languages.

**Russian****Basic L<sup>A</sup>T<sub>E</sub>X****Kuznetsov**

Alexey Kuznetsov. *Basic L<sup>A</sup>T<sub>E</sub>X*. Russian. 2021. 364 pp. URL: <https://ctan.org/pkg/basiclatex-ru>.

A tutorial in Russian.

**The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

**Slovenian****The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

**Spanish****CervanTeX (Spanish TeX Group) FAQ**

*CervanTeX (Spanish TeX Group) FAQ*. Spanish. URL: <https://ctan.org/pkg/faq-es>.

(texdoc es-tex-faq).

**Acordeón para L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Chang**

Winston Chang. *Acordeón para L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Spanish. Trans. by J. Luis Rivera. 2006. 2 pp. URL: <https://ctan.org/pkg/latexcheat-esmx>.

A quick-reference guide for L<sup>A</sup>T<sub>E</sub>X and Bib<sub>T</sub>E<sub>X</sub>. (texdoc latexcheat-esmx).

**L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>: An unofficial reference manual****Greenwade et al.**

George D. Greenwade et al. *L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>: An unofficial reference manual*. English, French, Spanish. 246 pp. URL: <https://latexref.xyz>.

A thorough but concise reference manual for L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, available in several languages. (texdoc -l latex2e-help).

**The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

**LearnL<sup>A</sup>T<sub>E</sub>X.org****Wright et al.**

Joseph Wright et al. *LearnL<sup>A</sup>T<sub>E</sub>X.org*. Catalan, German, English, French, Marathi, Portuguese, Vietnamese. 2021. URL: <https://www.learnlatex.org/>.

Sixteen lessons with examples, in multiples languages.

**Thai****The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

**Turkish****The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

**Ukrainian****The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

**Vietnamese***Hướng dẫn sử dụng gói amsmath***American Mathematical Society et al.**

American Mathematical Society and L<sup>A</sup>T<sub>E</sub>X Project team. *Hướng dẫn sử dụng gói amsmath*. Vietnamese. Trans. by Ky Anh. 1999. 36 pp. URL: <https://ctan.org/pkg/amslatexdoc-vietnamese>.

Manual for amsmath. (texdoc amsldoc-vn).

**The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>****Oetiker**

Tobias Oetiker. *The Not So Short Introduction to L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>*. Bulgarian, Chinese, Czech, Dutch, Estonian, Finnish, French, German, Italian, Japanese, Korean, Mongol, Persian, Polish, Portuguese, Russian, Slovenian, Spanish, Thai, Turkish, Ukrainian, Vietnamese. 2015. 153 pp. URL: <https://ctan.org/pkg/lshort>.

Covers introductory material, customizations, and a simple package. (texdoc -l lshort).

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**LearnL<sup>A</sup>T<sub>E</sub>X.org****Wright et al.**

Joseph Wright et al. *LearnL<sup>A</sup>T<sub>E</sub>X.org*. Catalan, German, English, French, Marathi, Portuguese, Vietnamese. 2021. URL: <https://www.learnlatex.org/>.

Sixteen lessons with examples, in multiples languages.

## Journals

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**The PracT<sub>E</sub>X Journal****T<sub>E</sub>X Users Group**

T<sub>E</sub>X Users Group. *The PracT<sub>E</sub>X Journal*. URL: <http://tug.org/pracjournal/>.

The online journal of the T<sub>E</sub>X Users Group. Twenty issues, from 2005–2012.

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**TUGBoat****T<sub>E</sub>X Users Group**

T<sub>E</sub>X Users Group. *TUGBoat*. URL: <http://tug.org/TUGboat/>.

The Communications of the T<sub>E</sub>X Users Group. Published since 1980. Articles covering every aspect of T<sub>E</sub>X.

## Interviews

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**TUG Interview Corner****T<sub>E</sub>X Users Group**

T<sub>E</sub>X Users Group. *TUG Interview Corner*. URL: <http://tug.org/interviews/>.

A large collection of interviews and articles about people related to T<sub>E</sub>X. Includes links to more than 250 lectures and other recordings by Donald Knuth, and various historical information.

## Typesetting examples

- A large collection of examples: <https://texample.net/>
- A collection of small examples: <http://tug.org/texshowcase/>
- Excerpts from many books: <https://ctan.org/topic/book-ex>
- Entire books: <http://www.tsengbooks.com/>
- Discussion: <https://tex.stackexchange.com/questions/1319/showcase-of-beautiful-typography-done-in-tex-friends>
- Discussion: <https://tex.stackexchange.com/questions/281415/showcase-of-beautiful-invitations-in-tex>

## General typesetting theory

Discussion about general typesetting theory, presented by various T<sub>E</sub>X-related authors.

For a list of non-L<sup>A</sup>T<sub>E</sub>X-specific books, see <https://www.texfaq.org/FAQ-type-books>.

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**Package canoniclayout****Beccari**

Claudio Beccari. *Package canoniclayout*. 2011. 8 pp. URL: <https://ctan.org/pkg/canoniclayout>.

Documentation for the canoniclayout package. Also includes ideas regarding text-block proportions. (texdoc canoniclayout).

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**Publication-quality tables in L<sup>A</sup>T<sub>E</sub>X****Fear**

Simon Fear. *Publication-quality tables in L<sup>A</sup>T<sub>E</sub>X*. 2016. 18 pp. URL: <https://ctan.org/pkg/booktabs>.

Documents the booktabs package, and also includes thoughts on the design of tabular layouts in general. (texdoc booktabs).

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**KOMA-Script — The Guide****Kohm**

Markus Kohm. *KOMA-Script — The Guide*. 2018. 565 pp. URL: <https://ctan.org/pkg/koma-script>.

Documentation for the KOMA-Script package. Also includes discussion about the page layout of a book. (texdoc typearea).

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**The Octavo Package****Reverts**

Stefan A. Reverts. “The Octavo Package”. In: *TUGboat* 23 3/4 (2002), p. 269. URL: <https://ctan.org/pkg/octavo>.

Design principles and guidelines emulating books from the Renaissance. (texdoc octavo).

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**The TikZ and PGF Packages****Tantau**

Till Tantau. *The TikZ and PGF Packages*. 2020. 1321 pp. URL: <https://ctan.org/pkg/pgf>.

As well as documenting the packages, this manual also includes “General guidelines and principles concerning the creation of graphics for scientific presentations, papers, and books”.

(texdoc pgfmanual).

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**A TUFTE-STYLE BOOK****The Tufte-LaTeX Developers**

The Tufte-LaTeX Developers. *A TUFTE-STYLE BOOK*. 2015. 42 pp. URL: <https://ctan.org/pkg/tufte-latex>.

Documentation for the Tufte-L<sup>A</sup>T<sub>E</sub>X document classes. Also includes layout ideas from the books of Edward R. Tufte. (texdoc tufte-latex).

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**A Few Notes on Book Design****Wilson**

Peter Wilson. *A Few Notes on Book Design*. 1st ed. The Herries Press, Aug. 2009. 139 pp. URL: <https://ctan.org/pkg/memdesign>.

More than 100 pages of discussion about book design and typography. (texdoc memdesign).

## Accessing embedded information

### texdoc and mthelp

A large amount of documentation is included in a T<sub>E</sub>X distribution. For TeXLive distributions, package documentation can be accessed with the `texdoc` program. Enter “`texdoc -l <name>`” to search for matching package, file, or program names. In some cases the same document is available in both letter or A4 paper sizes, or in several languages. `texdoc` is also available online, with popular packages sorted by category. (<http://www.texdoc.net/>)

For MikT<sub>E</sub>X, the `mthelp` program accesses package documentation. Enter “`mthelp <name>`”.

### kpsewhich

The program `kpsewhich` may be used to find out where a file is located. `kpsewhich filename` searches for and returns the path to the given filename.

`kpsewhich` can also return directories, such as:

```
kpsewhich -var-value TEXMFROOT
kpsewhich -var-value TEXMFDIST
kpsewhich -var-value TEXMFLOCAL
```

Some package authors choose not to include the source code in the package documentation. To view the source code:

1. To locate and read a package’s `.sty` file:

```
kpsewhich package.sty
```

Usually these files have their comments removed, so it is better to use the `.dtx` file instead.

2. The `.dtx` file is usually available, and will have the package’s source code.

```
kpsewhich package.dtx
```

If it is not installed on your local system, it will be necessary to download the `.dtx` file from CTAN (see the next section).

The comments are not yet typeset and so will not be as easily read.

3. To typeset the documentation with the source code, copy the `.dtx` file and any associated image files somewhere local and then look for `\OnlyDescription` in the source. This command tells the `ltxdoc` package not to print the source code.

4. Remove `\OnlyDescription`, then process the `.dtx` file with

```
pdflatex package.dtx
```

Barring unusual circumstances, this will create a new documentation `.pdf` file with the package source code included.

## Distributions — L<sup>A</sup>T<sub>E</sub>X for various operating systems

<b>TeXLive:</b> <a href="http://tug.org/texlive">http://tug.org/texlive</a>	Unix and Windows
<b>MiKTeX:</b> <a href="https://miktex.org">https://miktex.org</a>	Windows and Mac
<b>proTeXt:</b> <a href="http://tug.org/protext/">http://tug.org/protext/</a>	Windows
<b>MacTeX:</b> <a href="http://tug.org/mactex/">http://tug.org/mactex/</a>	Mac
<b>BasicTeX:</b> <a href="https://www.tug.org/mactex/morepackages.html">https://www.tug.org/mactex/morepackages.html</a>	Mac (simplified)

## Managing TeXLive

### **tlmgr - the native TeX Live Manager**

**distribution**

TeXLive distribution. *tlmgr - the native TeX Live Manager*. URL: <https://tug.org/texlive/doc/tlmgr.html>.

man page for tlmgr. `man tlmgr` (texdoc -l tlmgr).

关于 tlmgr 使用方法的简介

**Sun**

Zhonghao Sun. 关于 tlmgr 使用方法的简介. Chinese. 20 pp. URL: <https://ctan.org/pkg/tlmgr-intro-zh-cn>.

Chinese translation of *Basic Usage of tlmgr, the TeXLive Manager*. (texdoc tlmgr-intro-zh-cn).

### **Basic Usage of tlmgr, the TeXLive Manager**

**Tennent**

Bob Tennent. *Basic Usage of tlmgr, the TeXLive Manager*. 16 pp. URL: <https://ctan.org/pkg/tlmgrbasics>.

Documents only the most commonly-used actions and options for tlmgr. (texdoc tlmgrbasics).

## Obtaining packages — Comprehensive T<sub>E</sub>X Archive Network (CTAN)

TeXLive installations use the tlmgr program to obtain packages. MikTeX installations automatically install packages as needed. Where T<sub>E</sub>X is installed by an operating-system package manager, that manager should be used to install additional packages.

For custom installations, it may be necessary to manually install packages downloaded from the Comprehensive T<sub>E</sub>X Archive Network (CTAN), which provides a master collection of packages. A search function is available, which is useful when you know the name of a package or its author, and a list of topics is also provided. There are so many topics, however, that finding the right topic can be a problem in itself. One useful method to find what you are looking for is to search for a related package you may already know about, then look at its description on CTAN to see what topics are shown for it. Selecting these topics then shows you related packages. (<https://ctan.org/>)

## Useful classes, packages, and programs

Use texdoc or mthelp to access information about each of the following.

### General-use packages and classes

#### Classes:

memoir, koma-script

unicode-math

#### Page layout and headings:

fancyhdr, geometry, microtype, nowidow, titleps

#### Sectioning:

epigraph, fncychap, quotchap, sectionbreak, sectsty, titlesec, tocvsec2

#### Fonts:

font-change-xetex, fontspec, mathspec,

#### Table of contents:

etoc, minitoc, multitoc, shorttoc, titletoc, tocbibind, tocdata, tocloft, tocvsec2



<b>Title page:</b>	<b>Minipages:</b>
authblk, titling	eqparbox, minibox, pbox, shapepar
<b>Front and back matter:</b>	<b>Quotations and verse:</b>
abstract, appendix	csquotes, epigraph, quoting, verse
<b>Indexing:</b>	<b>Verbatim:</b>
makeindex, xindy, xindex, gindex, hvindex, idxlayout, imakeidx, index, makeidx, splitidx, varindex, xindex	fancyvrb, fvextra, moreverb, shortvrb, upquote, verbatim
<b>Glossary:</b>	<b>Frames:</b>
glossaries, nomenc	boxedminipage2e, fancybox, fbox, framed, mdframed, niceframe, shadow, tcolorbox
<b>Bibliography:</b>	<b>Embellishments:</b>
bibtex, biblatex, custom-bib	fancypar, fancytabs, fourier-orns, lettrine, pgfornament, pst-vectorian, sectionbreak
<b>Cross-referencing:</b>	<b>Multi-column:</b>
cleveref, hyperref, url, xr-hyper, xurl, zref	adjmulticol, multicol, multicolrule, vwcol
<b>Foot notes, margin notes, page notes:</b>	<b>Margins:</b>
bigfoot, endheads, endnotes, footmisc, manyfoot, marginfit, marginfix, marginnote, pagenote, parnotes, sidenotes	fullwidth, hanging, midpage
<b>Math:</b>	<b>Line numbering:</b>
amsmath, amssymb, breqn, mathtools, resizgather, nicematrix, scalerel, stackrel	lineno
<b>Theorems:</b>	<b>Algorithms and listings:</b>
amsthm, apxproof, ntheorem, shadethm, theorem, thmbox, thmtools	algorithm2e, algorithmicx, listings, listingsutf8, minted
<b>Units and fractions:</b>	<b>Acronyms:</b>
nicefrac, siunitx, xfrac	acro, acronym
<b>Floats:</b>	<b>Ordinals:</b>
caption, dblfloatfix, endfloat, fewerfloatpages, float, floatrow, hypcap, keyfloat, newfloat, placeins, rotfloat, stfloats, subcaption, subfig, subfloat, wrapfig	engord, fmtcount, nth
<b>Tabular:</b>	<b>Direct formatting:</b>
array, booktabs, colortbl, longtable, ltxtable, multirow, supertabular, tabularx, tabulary, threeparttable, threeparttablex, widetable, xltabular, xtab	cancel, ellipsis, embrac, enparen, hyphenat, lips, lua-check-hyphen, luacolor, pdfcol, pdfcolmk, pdfrender, realscripts, relsize, seqsplit, soul, soulpos, soulutf8, stackengine, textfit, thinsp, trimclip, truncate, ulem, umoline, underscore, uspace, xellipsis
<b>Graphics:</b>	<b>Symbols:</b>
asymptote, curves, fitbox, graphicx, pict2e, pstricks, tikz, xy	academicons, amssymb, bbding, chemgreek, dingbat, euro, eurosym, fontawesome, fontawesome5, fourier-orns, gensymb, latexsym, marvosym, metalogo, metalogox, pifont, textalpha, textcomp, textgreek, typicons, xunicode
<b>Color:</b>	<b>Files:</b>
normalcolor, xcolor	attachfile, attachfile2, hyperxmp, intopdf, pdfpages, pdfx, xmpincl
<b>Lists:</b>	<b>Admonitions:</b>
enumerate, enumitem, paralist	awesomebox, notes

<b>Editorial:</b> changebar, changelog, changes, easy-todo, easyReview, ed, errata, fixme, fixmetodonotes, pdfcomment, pdfmarginpar, todo, todonotes, tram, xexchangebar	<b>Chinese / Japanese / Korean (CJK):</b> cjkpunct, xeCJK
<b>Accessibility:</b> accessibility, accsupp, aaccessibility, pdfcomment, repltext, tagpdf	<b>Chinese:</b> ctex, upzhkinsoku, xpinyin, zhlineskip, zhspacing
<b>Presentations:</b> beamer, powerdot	<b>Japanese:</b> bxjscls, luatexja, platex, plautopatch, tascmac, uplatex, zxjatype
<b>Multi-language:</b> babel, beamer-rl, bidi, polyglossia	<b>Korean:</b> kotex, luatexko, xetexko.
	<b>Debug:</b> chkfloat, cmdtrack, dprogress, inputtrc, lua-visual-debug, refcheck

## Automatic compiling

The programs `arara` and `latexmk` automatically recompile as necessary to resolve all dependencies.

## Converting to HTML and other document formats

### Using T<sub>E</sub>X to generate the HTML:

The `lwarp` package and the `tex4ht` program each use native L<sup>A</sup>T<sub>E</sub>X to interpret the document and generate HTML. More of L<sup>A</sup>T<sub>E</sub>X is supported compared to the translators listed below.

#### **lwarp package:**

Supports hundreds of packages. Generates HTML, and provides indirect assistance for EPUB conversion and copy/paste into a word-processor. <https://ctan.org/pkg/lwarp>

#### **tex4ht program:**

Generates HTML, EPUB, ODT, and Docbook. <http://tug.org/tex4ht/>

### Translators:

These systems use external programs to translate a subset of L<sup>A</sup>T<sub>E</sub>X syntax into HTML. Search for each on CTAN (<http://ctan.org>).

#### **H<sup>E</sup>v<sup>E</sup>a:**

<http://hevea.inria.fr/>

#### **T<sub>T</sub>H:**

<http://hutchinson.belmont.ma.us/tth/>

#### **GELLMU:**

<http://www.albany.edu/~hammond/gellmu/>

#### **L<sup>A</sup>T<sub>E</sub>X<sub>2</sub>ML:**

<http://dlmf.nist.gov/LaTeXML/>

#### **PlasTeX:**

<https://github.com/tiarno/plastex>

#### **L<sup>A</sup>T<sub>E</sub>X<sub>2</sub>HTML:**

<http://www.latex2html.org/> and <http://ctan.org/pkg/latex2html>

#### **T<sub>E</sub>X<sub>2</sub>page:**

<http://ds26gte.github.io/tex2page/index.html>

**L<sup>A</sup>T<sub>E</sub>X math to HTML:**

GladTeX takes a L<sup>A</sup>T<sub>E</sub>X math expression and generates the corresponding HTML.

GladTeX:

<http://humenda.github.io/GladTeX/>

**Programming L<sup>A</sup>T<sub>E</sub>X**

A number of packages are especially useful for L<sup>A</sup>T<sub>E</sub>X programmers: (texdoc <packagename>)

**xifthen:** Conditionals.

**xstring:** String manipulation.

**etoolbox:** A wide range of programming tools, often avoiding the need to resort to low-level T<sub>E</sub>X.

**keyval, xkeyval, kvsetkeys, ltxkeys:** Key/value arguments.

**etextools:** Adds to etoolbox. Strings, lists, and more.

**pgfkeys, pgfkeyx:** Another form of key/value arguments.

**xparse:** Define macros and environments with flexible argument types.

**kvoptions:** Key/value package options.

**environ:** Process environment contents.

**expl3:** L<sup>A</sup>T<sub>E</sub>X3 programming.

**arrayjobx, fifo-stack, forarray, forloop, xfor:** Programming arrays, stacks, and loops.

**l3keys, l3keys2e:** Key/value for L<sup>A</sup>T<sub>E</sub>X3.

**iftex:** Detect T<sub>E</sub>X engine.

**chktex:** Locates typographic errors.

**ifplatform:** Detect operating system.

**CTAN topic macro-supp:** An entire topic of useful programming macros.

**Programming-related documentation****Key–value setting handling in the L<sup>A</sup>T<sub>E</sub>X kernel****Wright**

Joseph Wright. “Key–value setting handling in the L<sup>A</sup>T<sub>E</sub>X kernel”. In: *TUGboat* 43.2 (2022). URL: <https://tug.org/TUGboat/tb43-2/tb134wright-keyval.pdf>.

Modern kernel key/value support.

**Implementing key–value input: an introduction****Wright et al.**

Joseph Wright and Christian Feuersänger. “Implementing key–value input: an introduction”. In: *TUGboat* 30.1 (2009). URL: <https://tug.org/TUGboat/tb30-1/tb94wright-keyval.pdf>.

An introduction to various key/value packages.

**Advanced programming**

Recent developments in the L<sup>A</sup>T<sub>E</sub>X kernel. For discussion, see news entries at The L<sup>A</sup>T<sub>E</sub>X Project website: <https://www.latex-project.org/news/latex2e-news/> (texdoc <packagename>)

**lthooks:**

Programming hooks to add code to standard functionality.

**ltxcmdhooks:**

Programming hooks to add code to existing commands.

**ltsockets:**

Programming sockets to change functionality.

**ltpara:**

Paragraph handling.

**ltmeta:**

Document meta data.

**ltproperties:**

Cross-referencing document properties.  
Extended referencing.

**ltmarks:**

Running page marks, such as chapter name.

**ltkeys:**

Modern key/value handling.  
(`texdoc source2e`)

**ltfilehooks:**

Programming hooks for packages and files.

**ltshipout:**

Programming hooks for page shipout.

**xtemplate:**

Customize the visual design of a document.

## Programming for PDF management and tagging

Recent developments in PDF document meta data and tagging.

<https://www.latex-project.org/publications/indexbytopic/pdf/> (`texdoc <packagename>`)

**pdfmanagement:**

`\DocumentMetaData` and PDF management activation.

**tagpdf:**

Test various parts of tagging PDF documents.

**l3pdfmanagement:**

Managing central PDF resources.

**latex-lab:**

Experimental code for various aspects of L<sup>A</sup>T<sub>E</sub>X.

## Creating and documenting new packages

Documentation for those interested in creating their own package or class:

### Rolling your own Document Class: Using L<sup>A</sup>T<sub>E</sub>X to keep away from the Dark Side

Flynn

Peter Flynn. “Rolling your own Document Class: Using L<sup>A</sup>T<sub>E</sub>X to keep away from the Dark Side”. In: *TUGboat* 28:1 (2007), pp. 110–123. URL: <http://tug.org/TUGboat/tb28-1/tb88flynn.pdf>.

An overview of the article class.

### How to develop your own document class — our experience

Mansfield

Niall Mansfield. “How to develop your own document class — our experience”. In: *TUGboat* 29:3 (2008), pp. 356–361. URL: <http://tug.org/TUGboat/tb29-3/tb93mansfield.pdf>.

A comparison of developing class vs. package files.

### The doc and shortvrb packages

Mittelbach

Frank Mittelbach. *The doc and shortvrb packages*. 64 pp. URL: <https://ctan.org/pkg/doc>.

Packages for documenting packages.

(`texdoc doc`).

---

**The DocStrip program****Mittelbach et al.**

Frank Mittelbach et al. *The DocStrip program*. 61 pp. URL: <https://ctan.org/pkg/docstrip>.

The program which processes .dtx and .ins files to generate documentation and .sty files.  
(texdoc docstrip).

---

**Good things come in little packages: An introduction to writing .ins and .dtx files****Pakin**

Scott Pakin. “Good things come in little packages: An introduction to writing .ins and .dtx files”. In: *TUGboat* 29:2 (2008), pp. 305–314. URL: <http://tug.org/TUGboat/tb29-2/tb92pakin.pdf>.

How and why to create your own .dtx and .ins files.

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**How to Package Your L<sup>A</sup>T<sub>E</sub>X Package****Pakin**

Scott Pakin. *How to Package Your L<sup>A</sup>T<sub>E</sub>X Package*. 36 pp. URL: <https://ctan.org/pkg/dtxtut>.

A tutorial.  
(texdoc dtxtut).

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**L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> for class and package writers****L<sup>A</sup>T<sub>E</sub>X Project team**

L<sup>A</sup>T<sub>E</sub>X Project team. *L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> for class and package writers*. 33 pp. URL: <https://ctan.org/pkg/clsguide>.

Programming a package or class.  
(texdoc clsguide).

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**Wikibooks**

*Wikibooks*. *LaTeX*. 2017. URL: <https://en.wikibooks.org/wiki/LaTeX>.

An online book, includes information about creating L<sup>A</sup>T<sub>E</sub>X packages and classes.

## The L<sup>A</sup>T<sub>E</sub>X Project

The L<sup>A</sup>T<sub>E</sub>X Project maintains and develops the L<sup>A</sup>T<sub>E</sub>X typesetting system.

**Website:**

<https://www.latex-project.org>

News updates and publications about modern L<sup>A</sup>T<sub>E</sub>X developments and programming. Contact information.

**Code Repository:**

<https://github.com/latex3>

Code repository and bug tracker.

## Users groups

**T<sub>E</sub>X Users Group:** <http://tug.org>

**Lists of international users groups:**

- <http://tug.org/usergroups.html>
- <https://ctan.org/lugs>
- <http://www.ntg.nl/lug/>

## Online communities

**English forums:**

**TeX—L<sup>A</sup>T<sub>E</sub>X Stack Exchange:** Almost any question has already been asked, and a quick web search will find answers, ranked by vote. <http://tex.stackexchange.com>

**L<sup>A</sup>T<sub>E</sub>X Community:** A traditional forum with quick replies to your questions  
<http://www.latex-community.org>

**TopAnswers TeX:** Large collection of questions and answers. <https://topanswers.xyz/tex>

**German forums:**

**TeXwelt:** <http://texwelt.de/wissen/>

**goLaTeX:** <http://golatex.de>

**French forums:**

**TeXnique.fr:** <http://texnique.fr>

**Mailing lists:** Several dozen, spanning a wide range of T<sub>E</sub>X-related topics.  
<http://tug.org/mailman/listinfo>

**Newsgroup:** [comp.text.tex](mailto:comp.text.tex)

## Online editing and collaboration

**OVERLEAF:** Collaborative editing of L<sup>A</sup>T<sub>E</sub>X documents online. <https://www.overleaf.com/>

## Change log

**2017/03/06:** Initial version.

**2017/10/04:** Added users groups, mailing lists, distributions, LuaT<sub>E</sub>X, X<sub>Ǝ</sub>T<sub>E</sub>X, chktex. Organization and formatting improvements.

**2017/10/14:** More information about accessing embedded documentation.

**2018/01/18:** Added [texdoc.net](http://texdoc.net).

**2018/01/21:** Added latex-veryshortguide, first-latex-doc, beginlatex, intro-scientific, guide-latex-fr.

**2018/03/24:** Added interface3, dickimaw-novices, dickimaw-thesis.

**2018/04/01:** Added TeXnique.fr.

**2018/06/28:** Added sections for non-English documents and general typesetting theory. Updated host and name for T<sub>E</sub>X FAQ. Added latex-via-exemplos and Ebook Foundation free programming books.

- 2018/10/18:** Updated URL for *L<sup>A</sup>T<sub>Ε</sub>X 2<sub>ε</sub>: An unofficial reference manual*.
- 2020/12/14:** Improved bibliography. Added categories for math and music; startlatex2e; items written in French, German, Indian, Italian, Japanese, Portuguese, Vietnamese; Dante users group.
- 2021/01/02:** Now uses biblatex. Added mthe1p, many international documents, and categories for FAQs and cheat sheets, graphics, tables, and fonts. Added lists of packages by category. Added Overleaf.
- 2021/01/09:** Added several resources from TUG including journals and interviews, and more for the list of packages.
- 2021/12/30:** Added usrguide3, [learnlatex.org](https://www.learnlatex.org), [latex3-tutorial](https://www.latex3-tutorial.com), many international resources.
- 2024/01/06:** Updated *The L<sup>A</sup>T<sub>Ε</sub>X Companion, 3rd Edition*. Replaced Morris's *Gettings Started with L<sup>A</sup>T<sub>Ε</sub>X 2<sub>ε</sub>* with *Yet Another Guide to L<sup>A</sup>T<sub>Ε</sub>X 2<sub>ε</sub>*. Added *L<sup>A</sup>T<sub>Ε</sub>X for Undergraduates*, *T<sub>Ε</sub>X in a Nutshell*, *TopAnswers TeX*, *Basic TeX*.
- 2024/01/14:** Updated *L<sup>A</sup>T<sub>Ε</sub>X 2<sub>ε</sub> for authors — historic version* and *L<sup>A</sup>T<sub>Ε</sub>X for authors — current version*.
- 2024/03/01:** Added the section for TexLive, *L<sup>A</sup>T<sub>Ε</sub>X for Word Processor Users*.
- 2024/03/18:** Updated French resources, added *Programming in Lua*.
- 2024/03/23:** Added sections for the The L<sup>A</sup>T<sub>Ε</sub>X Project, advanced programming, PDF management, key/value documentation.