



## The Treasure Chest

These are the new packages posted to CTAN ([ctan.org](http://ctan.org)) from March–August 2020, along with a few notable updates. Descriptions are based on the announcements and edited for extreme brevity.

Entries are listed alphabetically within CTAN directories. More information about any package can be found at [ctan.org/pkg/pkgname](http://ctan.org/pkg/pkgname). A few entries which the editors subjectively believe to be of especially wide interest or otherwise notable are starred (\*); of course, this is not intended to slight the other contributions.

We hope this column helps people access the vast amount of material available through CTAN and the distributions. See also [ctan.org/topic](http://ctan.org/topic). Comments are welcome, as always.

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### fonts

**charissil** in **fonts**

CharisSIL fonts with L<sup>A</sup>T<sub>E</sub>X support.

**courierten** in **fonts**

Courier 10 Pitch BT with L<sup>A</sup>T<sub>E</sub>X support.

**ektype-tanka** in **fonts**

Devanagari fonts from EkType.

**helmholtz-ellis-ji-notation** in **fonts**

Inline microtonal just intonation accidentals.

**ibarra** in **fonts**

Ibarra Real Nova fonts, with L<sup>A</sup>T<sub>E</sub>X support.

**kpfonts-otf** in **fonts**

OpenType implementation of kpfonts for L<sup>A</sup>T<sub>E</sub>X and X<sub>Y</sub>L<sup>A</sup>T<sub>E</sub>X.

\***notomath** in **fonts**

Math support for Noto fonts via `newtxmath`.

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### graphics

**bookshelf** in **fonts**

Create a nice image from a BIB<sub>T</sub>E<sub>X</sub> file.

**commutative-diagrams** in **graphics/pgf/contrib**

Commutative diagrams using TikZ.

**dpcircling** in **graphics/pgf/contrib**

Decorated text boxes using TikZ.

**nimsticks** in **graphics/pgf/contrib**

Draws sticks for multi-pile Nim games.

**tikz-lake-fig** in **graphics/pgf/contrib**

Schematic diagrams of lakes.

**tikz-planets** in **graphics/pgf/contrib**

Illustrate celestial mechanics and the solar system.

**tikzpackets** in **graphics/pgf/contrib**  
Display network packets.

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### info

**dtk-bibliography** in **info**

Bibliography for *Die T<sub>E</sub>Xnische Komödie*, the journal of the German-speaking T<sub>E</sub>X user group.

**install-latex-guide-zh-cn** in **info**

Introduction to L<sup>A</sup>T<sub>E</sub>X installation, in Chinese.

\***tex-nutshell** in **info**

Concise document about principles of T<sub>E</sub>X.

**tlmgrbasics** in **info**

Commonly-used actions and options for `tlmgr`.

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### language/japanese

**jlreq-deluxe** in **language/japanese**

Multi-weight Japanese font support for `jlreq`.

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### language/marathi

**marathi** in **language/marathi**

Marathi language support, for X<sub>Y</sub>L<sup>A</sup>T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X.

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### macros/generic

**expkv-cs** in **macros/generic**

Define expandable key=val macros using `expkv`.

**expkv-opt** in **macros/generic**

Parse class and package options using `expkv`.

**namedef** in **macros/generic**

T<sub>E</sub>X definitions with named parameters.

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### macros/latex/contrib

**akshar** in **macros/latex/contrib**

Support for syllables in Devanagari.

**algpseudocodex** in **macros/latex/contrib**

Typeset pseudocode, based on `algorithmicx`.

**annee-scolaire** in **macros/latex/contrib**

Typeset the French academic year.

**anonymous-acm** in **macros/latex/contrib**

Make anonymous versions of ACM articles.

**antanilipsum** in **macros/latex/contrib**

Italian supercazzole in Amici Mieì style.

**bubblesort** in **macros/latex/contrib**

Configurable bubble sort implementation.

**ccool** in **macros/latex/contrib**

Encoding notational conventions.

**chhaya** in **macros/latex/contrib**

Linguistic glossing in Marathi.

**conditext** in **macros/latex/contrib**

Define and manage conditional content.

**macros/latex/contrib/conditext**

**diabetes-logbook** in `macros/latex/contrib`  
 Logbook for people with type one diabetes.  
**edichokey** in `macros/latex/contrib`  
 Typeset dichotomous identification keys.  
**endnotes-hy** in `macros/latex/contrib`  
 Patch endnotes for correct hyperlink anchors.  
**epigraph-keys** in `macros/latex/contrib`  
 Epigraphs with key/value interface.  
**exesheet** in `macros/latex/contrib`  
 Typesetting exercise or exam sheets.  
**frpseudocode** in `macros/latex/contrib`  
 French translation of `algorithmicx`.  
**glossaries-nynorsk** in `macros/latex/contrib`  
 Norwegian Nynorsk support for `glossaries`.  
**hvarabic** in `macros/latex/contrib`  
 Macros for right-to-left typesetting.  
**ltx4yt** in `macros/latex/contrib`  
 Play YouTube videos in the default browser.  
**media4svg** in `macros/latex/contrib`  
 Multimedia inclusion for `dvisvgm`.  
**membranecomputing** in `macros/latex/contrib`  
 Membrane computing notation.  
**menucard** in `macros/latex/contrib`  
 Typesetting simple menus.  
**mercatormap** in `macros/latex/contrib`  
 Spherical Mercator coordinate systems and  
 Web Mercator tile integration.  
**metanorma** in `macros/latex/contrib`  
 Metanorma standardization documents.  
**mlmath** in `macros/latex/contrib`  
 Math notation for machine learning.  
**musical** in `macros/latex/contrib`  
 Typeset (musical) theatre scripts.  
**qrbill** in `macros/latex/contrib`  
 Create QR bills per Swiss payment standards.  
**readablecv** in `macros/latex/contrib`  
 Attractive CV and letter class.  
**schooldocs** in `macros/latex/contrib`  
 Variety of layout styles for school documents.  
**semantex** in `macros/latex/contrib`  
 Object-oriented mathematics.  
**shththesis** in `macros/latex/contrib`  
 Unofficial thesis template for ShanghaiTech U.  
**tile-graphic** in `macros/latex/contrib`  
 Generate tiles of an image.  
**utf8add** in `macros/latex/contrib`  
 Additional support for UTF-8  $\LaTeX$  input,  
 including math.  
**vcell** in `macros/latex/contrib`  
 Vertical alignment of content inside table cells.  
**verifiche** in `macros/latex/contrib`  
 Typeset Italian high school tests.  
**willowtreebook** in `macros/latex/contrib`  
 Easy book class, built on `memoir`.

`m/l/c/beamer-contrib/beamerappendixnote`

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**macros/latex/contrib/beamer-contrib**  
**beamerappendixnote** in `m/l/c/beamer-contrib`  
 Create notes on appendix frames in Beamer.  
**beamertheme-pure-minimalistic** in  
`m/l/c/b-c/themes`  
 Minimalist Beamer theme.  
**beamerthememord** in `m/l/c/b-c/themes`  
 Beamer theme using the Nord color scheme

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**macros/latex/contrib/biblatex-contrib**  
**biblatex-software** in `m/l/c/biblatex-contrib`  
 $\text{BIB}\LaTeX$  styles for software.  
**biblatex-unified** in `m/l/c/biblatex-contrib`  
 Unified stylesheet for linguistics journals.  
**biblatex-vancouver** in `m/l/c/biblatex-contrib`  
 Vancouver style for  $\text{BIB}\LaTeX$ .

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**macros/luatex**  
**lua-uni-algos** in `macros/luatex/generic`  
 Unicode algorithms for  $\text{Lua}\LaTeX$ .

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**macros/luatex/latex**  
**ekdosis** in `macros/luatex/latex`  
 TEI XML-compliant critical editions.  
**emojicite** in `macros/luatex/latex`  
 Add emojis to citations.  
**luaprohtable** in `macros/luatex/latex`  
 Programmable table interface for  $\text{Lua}\LaTeX$ .  
**unitconv** in `macros/luatex/latex`  
 Convert a length with one unit into another.

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**macros/plain**  
**\*zztex** in `macros/plain/contrib`  
 Full-featured  $\text{T}\LaTeX$  macro package for books,  
 journals, manuals, more.

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**support**  
**git-latexdiff** in `support`  
 Call `latexdiff` on two Git revisions of a file.  
**spix** in `support`  
 Yet another  $\text{T}\LaTeX$  compilation tool: simple,  
 human readable, no option, no magic.  
**tikztosvg** in `support`  
 Shell script to render `TikZ` to SVG.  
**xml2pmx** in `support`  
 Convert MusicXML to PMX and `MusiX\LaTeX`.

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**web**  
**pwebmac** in `web`  
 Consolidated WEB macros for both DVI and  
 PDF output.