



The Treasure Chest

This is a selection of the new packages posted to CTAN (ctan.org) from April–August 2018, with descriptions 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. 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 and its companions will help to make CTAN a more accessible resource to the T_EX community. See also ctan.org/topic. Comments are welcome, as always.

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biblio

bath-bst in `biblio/bibtex/contrib`
Univ. of Bath reference style for B_IT_EX.

fonts

casiofont in `fonts`
Support for the Casio ClassWiz font.

dsserif in `fonts`
Double-struck serifed font for math.

notocjksc in `fonts`
Noto CJK (Source Han) fonts for Simplified Chinese.

***stickstoo** in `fonts`
STIX2 fonts with enhanced L^AT_EX support.

stoneipa in `fonts`
Support for Stone Sans Phonetic.

graphics

ketcindy in `graphics`
Create graphics for T_EX with Cinderella.

milsymb in `graphics/pgf/contrib`
TikZ-based drawing of military symbols.

penrose in `graphics/pgf/contrib`
TikZ library for producing Penrose tilings.

postage in `graphics`
Stamp letters with Deutsche Post online service.

pst-contourplot in `graphics/pstricks/contrib`
Draw implicit functions using “marching squares” algorithm.

tikz-nef in `graphics/pgf/contrib`
Draw networks using Neural Engineering Framework methods.

tikz-network in `graphics/pgf/contrib`
Draw generalized networks with TikZ.

tikzmarmots in `graphics/pgf/contrib`
Draw marmots with TikZ.

language/japanese

endnotesj in `language/japanese`
Japanese-style endnotes.

macros/generic

modulus in `macros/generic`
Non-destructive modulus and integer quotient.

***texdate** in `macros/generic`
Date printing, formatting, manipulation.

macros/latex/contrib

axessibility in `macros/latex/contrib`
Assistive technology support for math in PDF.

cellprops in `macros/latex/contrib`
Accept CSS-like selectors for `tabular`, `array`, etc.

clrdblpg in `macros/latex/contrib`
Control `pagestyle` on `\cleardoublepage` pages.

clrstrip in `macros/latex/contrib`
Place contents in a full-width color strip.

competences in `macros/latex/contrib`
Track skills assessed by classroom tests.

digicap-pro in `macros/latex/contrib`
Captions for digital photos, using Adobe Distiller.

ecothesis in `macros/latex/contrib`
Theses at the Univ. Federal de Viçosa, Brazil.

erw-13 in `macros/latex/contrib`
Utilities built on `expl3`.

etsvthor in `macros/latex/contrib`
Abbreviations for study group at Eindhoven Univ.

gatherenum in `macros/latex/contrib`
Displayed enumerations via `align*` and `enumerate`.

guitartabs in `macros/latex/contrib`
Draw guitar tablatures.

hyperbar in `macros/latex/contrib`
Interactive barcode fields in PDF forms.

includernw in `macros/latex/contrib`
Include `.Rnw` inside `.tex`, invoking `knitr`.

inline-images in `macros/latex/contrib`
Include inline images in `base64`.

jnuexam in `macros/latex/contrib`
Exam class for Jinan University.

libertinus-otf in `macros/latex/contrib`
Support for Libertinus OpenType fonts.

manyind in `macros/latex/contrib`
Support multiple indexes.

mathfont in `macros/latex/contrib`
Use TrueType and OpenType fonts in math mode; compatible with X_YL^AT_EX and Lua_{T_EX}.

musikui in `macros/latex/contrib`
Creating “arithmetical restoration” puzzles.

nexus-otf in `macros/latex/contrib`
Support for the Nexus OpenType fonts.

`macros/latex/contrib/nexus-otf`

onedow in macros/latex/contrib

Diagrams for the bridge card game.

opacity-pro in macros/latex/contrib

Transparency and blend modes with Adobe Distiller.

padcount in macros/latex/contrib

Pad numbers (token lists) with arbitrary characters.

pdfpc-movie in macros/latex/contrib

Embed movies for the PDF Presenter Console.

pdfoverlay in macros/latex/contrib

Overlay text on an existing PDF file.

powerdot-tuliplab in macros/latex/contrib

Powerdot theme for the TULIP Lab.

qrcstamps in macros/latex/contrib

QR codes as dynamic stamp annotations.

statistics in macros/latex/contrib

Compute and typeset statistics tables and graphics.

tagpdf in macros/latex/contrib

Experimental tagging using pdfL^AT_EX and LuaL^AT_EX.

tlc-article in macros/latex/contrib

Document class for formal documents.

topletter in macros/latex/contrib

Letter class for the Politecnico di Torino.

ucsmonograph in macros/latex/contrib

Documents for Univ. of Caxias do Sul, Brazil.

worksheet in macros/latex/contrib

Worksheet creation.

xbmks in macros/latex/contrib

Create cross-document PDF bookmark tree.

xfakebold in macros/latex/contrib

Fake bold for outline fonts.

macros/latex/contrib/beamer-contrib/themes

beamertheme-focus in m/1/c/b-c/themes

Clean and minimalist beamer theme.

beamertheme-npbt in m/1/c/b-c/themes

Collection of themes relating to FOM Hochschule.

macros/latex/contrib/biblatex-contrib

biblatex-math in m/1/c/biblatex-contrib

Univ. of Bath reference style for BIBL^AT_EX.

biblatex-socialscienceshuberlin in m/1/c/b-c

Social sciences at HU Berlin.

macros/luatex/generic

kanaparser in macros/luatex/generic

Kana parser for LuaT_EX supporting ASCII input.

luavlna in macros/luatex/generic

Prevent line breaks after nonsyllabic prepositions and single-letter conjunctions.

macros/luatex/latex

bezierplot in macros/luatex/latex

Approximate smooth function graphs with splines.

gurps in macros/luatex/latex

Generic Universal Role Playing System materials.

luatex-truncate in macros/luatex/latex

Hyphenation fixes for LuaL^AT_EX.

macros/luatex/latex/plantuml

plantuml in macros/luatex/latex

Rendering diagrams specified in PlantUML.

typewriter in macros/luatex/latex

Typeset with randomly variable monospace font.

wallcalendar in macros/luatex/latex

Wall calendar layouts and internationalization.

macros/xetex/latex

businesscard-qrcode in macros/xetex/latex

Business cards with QR codes.

cqubeamer in macros/xetex/latex

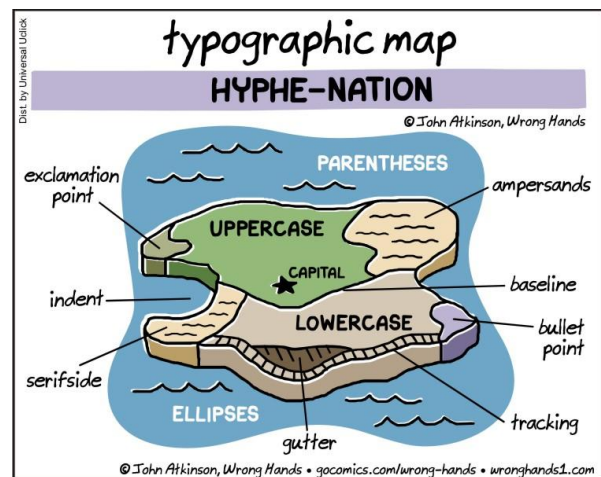
Beamer template for Chongqing Univ.

kurdishlipsum in macros/xetex/latex

Generic text examples in Kurdish.

na-border in macros/xetex/latex

CornPop border font support for Arabic and French.



Comics by John Atkinson (<http://wronghands1.com>).