



The Treasure Chest

These are the new packages posted to CTAN (ctan.org) from October 2020–April 2021. Descriptions are based on the announcements and edited for extreme brevity. One general notice: the CTAN multiplexor among mirrors is now available through <https://mirror.ctan.org>; previously it was only `http`.

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 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. Comments are welcome, as always.

◇ Karl Berry
<https://tug.org/TUGboat/Chest>

fonts

Terse showings of some of these fonts, among others, are given on p. 65 of this issue.

aesupp in fonts

Variant form of italic ‘æ’ for some fonts.

alfaslabone in fonts

The Alfa Slab One slab serif font.

archivo in fonts

The Archivo sans serif font family.

arvo in fonts

The Arvo slab serif font family.

atkinson in fonts

The Atkinson Hyperlegible family of fonts.

cascadia-code in fonts

The Cascadia Code monospaced font family.

eczar in fonts

The Eczar font family for Devanagari and Latin.

gudea in fonts

The Gudea sans serif font family.

hindmadurai in fonts

The HindMadurai font family for Tamil.

inter in fonts

The Inter sans serif font family.

magra in fonts

The Magra sans serif font family.

mlmodern in fonts

Blacker Type 1 Computer Modern, with multilingual support.

nunito in fonts

The Nunito sans serif font family.

fonts/oswald

oswald in fonts

The Oswald sans serif font family.

play-font in fonts

The Play sans serif font family.

rojud in fonts

Type 1 font for the 42 counties of Romania.

stepgreek in fonts

A Greek font in the Times/Elsevier style, intended as a complement to STEP.

fonts/utilities

frimurer in fonts/utilities

Access to the frimurer cipher.

graphics

causets in graphics/pgf/contrib

Draw causal set (Hasse) diagrams.

figchild in graphics/pgf/contrib

Pictures for creating children’s activities.

mahjong in fonts/utilities

Typesetting mahjong tiles.

nl-interval in graphics/pgf/contrib

Represent intervals on the number line.

pyotikz in graphics/pgf/contrib

Board states of Puyo Puyo games.

pxpic in fonts/utilities

Draw pictures pixel by pixel.

sankey in graphics/pgf/contrib

Draw Sankey flow diagrams.

syntaxdi in graphics/pgf/contrib

Railroad syntax diagrams.

tikz-among-us in graphics/pgf/contrib

Create some AmongUs characters.

tikz-bbox in graphics/pgf/contrib

Precise determination of bounding boxes, including control points.

tzplot in graphics/pgf/contrib

Convenient abbreviations for TikZ graphs.

info

amiweb2c-guide in info

Installation guide for AmiWeb2c 3.1.

*knuth-pdf in info

PDF collection of typeset C/WEB sources and errata in the TeX system, both original (with section numbering unchanged) and change files (for TeX Live).

startlatex2e in info

Getting started with L^AT_EX 2_ε.

language/japanese

gckanbun in language/japanese

Kanbun typesetting for upL^AT_EX and LuaL^AT_EX.

macros/latex/contrib

association-matrix in `macros/latex/contrib`
Create association matrices.

bithesis in `macros/latex/contrib`
Templates for the Beijing Inst. of Technology.

buctthesis in `macros/latex/contrib`
Beijing University of Chemical Technology thesis template.

chifoot in `macros/latex/contrib`
Chicago-style footnote formatting.

color-edits in `macros/latex/contrib`
Colored edits for multiple-author documents.

datax in `macros/latex/contrib`
Import individual data points via `pgfkeys`.

dimnum in `macros/latex/contrib`
Commands for dimensionless numbers.

dynbrackets in `macros/latex/contrib`
Simplify syntax of dynamic math brackets.

easybook in `macros/latex/contrib`
Typeset Chinese books or notes.

easyfloats in `macros/latex/contrib`
Easier interface to insert figures, tables, etc.

econlipsum in `macros/latex/contrib`
Blind text generator for economics articles.

eq-fetchbbl in `macros/latex/contrib`
Match Biblical passages to verses for `exerquiz`.

eq-pin2corr in `macros/latex/contrib`
Add PIN security to `exerquiz` ‘Correct’ buttons.

foliono in `macros/latex/contrib`
Use folio numbers instead of page numbers.

froufrou in `macros/latex/contrib`
Fancy section separators.

graphpaper in `macros/latex/contrib`
Generate various types of graph paper.

gridpapers in `macros/latex/contrib`
Graph paper backgrounds and color schemes.

highlightlatex in `macros/latex/contrib`
Syntax highlighting extended from `listings`.

hindawi-latex-template in `m/l/c`
Template for Hindawi journals.

hitreport in `macros/latex/contrib`
Harbin Institute of Technology Report template.

jupyterotex in `macros/latex/contrib`
Include whole or partial Jupyter notebooks.

langsci-affiliations in `macros/latex/contrib`
Collect and order authors and affiliations.

lectureslides in `macros/latex/contrib`
Combine individual PDF files into one.

matapli in `macros/latex/contrib`
Class for the French journal MATAPLI.

mindflow in `macros/latex/contrib`
Add memo section separated from main text for ideas or annotations.

mluexercise in `macros/latex/contrib`
Exercises/homework at the Martin Luther University Halle-Wittenberg.

muling in `macros/latex/contrib`
M.A. thesis class for the Dept. of Linguistics, University of Mumbai.

ninecolors in `macros/latex/contrib`
Select colors with proper WCAG color contrast.

***numerica** in `macros/latex/contrib`
Numerically evaluate mathematical expressions, implemented in \LaTeX .

orcidlink in `macros/latex/contrib`
Insert hyperlinked ORCID logo.

orientation in `macros/latex/contrib`
Set page orientation with Dvips/Ghostscript (`ps2pdf`).

pbalance in `macros/latex/contrib`
Balance last page in two-column mode.

***pdfmanagement-testphase** in `m/l/c`
Load new backend-independent \LaTeX interface to handle many PDF feature; please test now, to ease incorporation into core \LaTeX .

principia in `macros/latex/contrib`
Typeset the Peanese notation of *Principia Mathematica*.

profcollege in `macros/latex/contrib`
Support for French math teaching for students 11–16 years old.

scrlayer-fancyhdr in `macros/latex/contrib`
Combining `fancyhdr` with `scrlayer`.

skeldoc in `macros/latex/contrib`
Placeholders for unfinished documents.

skills in `macros/latex/contrib`
Create proficiency tests.

suppose in `macros/latex/contrib`
Abbreviate the word ‘Suppose’ for math usage.

twemojis in `macros/latex/contrib`
Use Twitter emojis as graphics.

utfsym in `macros/latex/contrib`
Provide Unicode symbols via hex code.

m/l/c/beamer-contrib/themes

beamertheme-trigon in `m/l/c/b-c/themes`
Modern, elegant, customizable Beamer theme.

beamerthemelalic in `m/l/c/b-c/themes`
Beamer theme for LALIC.

macros/latex/contrib/biblatex-contrib

biblatex-license in `m/l/c/biblatex-contrib`
Add license data to a bibliography.

macros/luatex/generic

chinese-jfm in `macros/luatex/generic`
JFM files for Chinese typesetting with `luatexja`.

luakeys in **macros/luatex/generic**

Lua module for parsing key–value options.

macros/luatex/latex**innerscript** in **macros/luatex/latex**

Handle script spacing more like text math,
and treat `\mathinner` as `\mathord`.

lua-typo in **macros/luatex/latex**

Highlighting typographical flaws.

newpax in **macros/luatex/latex**

Handle PDF annotations, preserving links.

semesterplanner in **macros/luatex/latex**

Create semester plans/timetables.

uninormalize in **macros/luatex/latex**

Unicode normalization support for Lua \LaTeX .

macros/plain**xintsession** in **macros/plain/contrib**

Interactive calculation sessions, supporting
arbitrary precision, polynomials, etc.

macros/unicodetex/latex**aalok** in **macros/unicodetex/latex**

Class for the Marathi journal *Aalok*.

beaulivre in **macros/unicodetex/latex**

Class to typeset books, using `colorist`.

colorist in **macros/unicodetex/latex**

Base for articles or books with a colorful
design.

einfart in **macros/unicodetex/latex**

Class to typeset articles, using `minimalist`.

lebhart in **macros/unicodetex/latex**

Class to typeset articles, using `colorist`.

minimalist in **macros/unicodetex/latex**

Base for articles or books with a simple design.

quran-bn in **macros/unicodetex/latex**

Bengali translations for the quran package.

simplivre in **macros/unicodetex/latex**

Class to typeset books, using `minimalist`.

macros/xetex/latex**xesoul** in **macros/xetex/latex**

Use the `soul` package with X \LaTeX .

zbmath-review-template in **macros/xetex/latex**

Template for a zbMATH Open review.

support**albatross** in **support**

Find fonts that contain a given glyph.

ltx2mathml in **support**

Convert subset of \LaTeX math to MathML.