The Treasure Chest

These are the new packages posted to CTAN (ctan.org) from April–August 2022. 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.

A few entries which the editors subjectively believe to be 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.

diamond Karl Berry
https://tug.org/TUGboat/Chest

* biber-ms in biblio
Multi-script Biber.

biblio

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Multi-script Biber.

fonts

simpleicons in fonts
Simple Icons font support.
srbitks in fonts
Stix2 support for Serbian and Macedonian italics.
symbats3 in fonts
Support for the Symbats3 OpenType font.
yfonts-otf in fonts
OpenType versions of Yannis Haralambous’s Old German fonts.

graphics

customdice in graphics/pgf/contrib
Draw customizable dice.
fancyqr in graphics/pgf/contrib
Create fancy QR codes with TiKZ.
figput in fonts
Create interactive or static figures in \LaTeX.
tikz-ext in graphics/pgf/contrib
A collection of libraries for PGF/TiKZ.
tikzfill in graphics/pgf/contrib
TiKZ libraries for filling with images and patterns.
tikzpingus in graphics/pgf/contrib
Penguins.

doi.org/10.47397/tb/43-2/tb134chest
lt3rawobjects in macros/latex/contrib
Declare and allocate \LaTeX3 objects like C structures.
magicwatermark in macros/latex/contrib
Watermarks, based on everypage and TikZ.
mathsemanitics in macros/latex/contrib
Semantic math commands in \LaTeX.
multifootnote in macros/latex/contrib
Multiple numbers for the same footnote.
multiple-choice in macros/latex/contrib
Multiple-choice questions.
ndsu-thesis-2022 in macros/latex/contrib
North Dakota State University support, update for 2022.
postnotes in macros/latex/contrib
Endnotes for \LaTeX.
precattl in macros/latex/contrib
Write code containing tokens with unusual catcodes.
prettytok in macros/latex/contrib
Pretty-print token list.
proflabo in macros/latex/contrib
Draw laboratory equipment.
rescansync in macros/latex/contrib
Execute saved code to typeset text while preserving Sync\TeX information.
saveenv in macros/latex/contrib
Save environment content verbatim.
scripture in macros/latex/contrib
Typesetting Bible quotations.
sidenotesplus in macros/latex/contrib
Place material in margins.
simples-matrices in macros/latex/contrib
Define matrices by given list of values.
thermodynamics in macros/latex/contrib
Macros for multicomponent thermodynamics documents.
tkzexample in macros/latex/contrib
Package for documentation of tkz-\* packages.
wrappuff in macros/latex/contrib
Wrapping text around stuff, using new \LaTeX hooks.

m/l/c/beamer-contrib/themes
beamerthemeamurmaple in m/l/c/b-c/themes
A new modern beamer theme.
beamerthemetcolorbox in m/l/c/b-c/themes
Inner beamer theme that reproduces standard beamer blocks.

m/l/c/b-c/themes/beamertheme-tcolorbox

macros/latex/required
latex-lab in macros/latex/required
Development pre-release. See \LaTeX news installment in this issue.

macros/luatex/latex
ligtype in macros/luatex/latex
Suppress inappropriate ligatures, for German by default.
luamathalign in macros/luatex/latex
Flexible alignments in \amsmath environments.
luaquotes in macros/luatex/latex
Smart setting of quotation marks.
showhyphenation in macros/luatex/latex
Show hyphenation points.
showkerning in macros/luatex/latex
Show kerns.
spacekern in macros/luatex/latex
Kerning between words and against whitespace.

macros/plain
transparent-io in macros/plain/contrib
Show for approval the filenames used in \input, \openin, or \openout. See article in TUGboat 43:1.

macros/unicodetex/latex
swungdash in macros/unicodetex/latex
Swung dash (U+2053), made by transforming the tilde.
unisc in macros/unicodetex/latex
Unicode small caps with Lua/X\TeX.

macros/xetex/latex
exam-zh in macros/xetex/latex
\TeX template for Chinese exams.
hfutthesis in macros/xetex/latex
\TeX thesis template for Hefei University of Technology.
xduts in macros/xetex/latex
Xidian University \TeX suite.

support
texlive-dummy-fedora in support
Dummy \TeX Live RPM for use with Fedora and similar distributions.