The Treasure Chest

These are the new packages posted to CTAN (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. 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. Comments are welcome, as always.

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fonts
charissil in fonts
CharisSil fonts with \LaTeX support.
couriertcn in fonts
Courier 10 Pitch BT with \LaTeX support.
ektype-tanka in fonts
Devanagari fonts from EkType.
helmholtz-ellis-jl notation in fonts
Inline microtonal just intonation accidentals.
ibarra in fonts
Ibarra Real Nova fonts, with \LaTeX support.
kpfonts-otf in fonts
OpenType implementation of kpfonts for \LaTeX and \XeTeX.
*notomath in fonts
Math support for Noto fonts via newtxmath.

graphics
tikzpackets in graphics/pgf/contrib
Display network packets.
dtk-bibliography in info
Bibliography for Die \TeXnische Komödie, the journal of the German-speaking \TeX user group.
install-latex-guide-zh-cn in info
Introduction to \LaTeX installation, in Chinese.
tex-nutshell in info
Concise document about principles of \TeX.
tlmgrbasics in info
Commonly-used actions and options for tlmgr.

language/japanese
jlrq-deluxe in language/japanese
Multi-weight Japanese font support for jlrq.

language/marathi
marathi in language/marathi
Marathi language support, for \LaTeX and \Xe\LaTeX.

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
\TeX definitions with named parameters.

macros/latex/contrib
akshar in macros/latex/contrib
Support for syllables in Devanagari.
algpsseudocodex 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 Miei 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.
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.
shtthesis 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.

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.
beamerthemenord in m/l/c/b-c/themes
Beamer theme using the Nord color scheme

macros/latex/contrib/biblatex-contrib
biblatex-software in m/l/c/biblatex-contrib
\BibLaTeX 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 \BibLaTeX.

macros/luatex
lua-uni-algos in macros/luatex/general
Unicode algorithms for Lua\LaTeX.

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

macros/plain
*zztex in macros/plain/contrib
Full-featured \TeX macro package for books, journals, manuals, more.

support
git-latexdiff in support
Call latexdiff on two Git revisions of a file.
spix in support
Yet another \TeX 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 Musi\LaTeX.

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