

# The CTAN Bibliography

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## 1 Bibliography data

The data entries are saved as `@manual`, which can easily be changed by any editor via the replace function. If you are still using the old `bibtex` program instead of `biber`, you have to define your own bibliography style file (`.bst.`).

For `biber/biblatex` there exists an own `ctan.bbx` file which uses all the entry types listed in the following example:

```
@manual{ctan-a@poster,  
  title      = {The \texttt{a@poster} package},  
  subtitle   = {Support for designing posters on large paper},  
  author     = {Gerlinde Kettl and Matthias Weiser},  
  date       = {2016-06-24},  
  version    = {1.22b},  
  license     = {lppl},  
  mirror     = {https://mirror.ctan.org/macros/latex/contrib/a@poster},  
  url        = {https://ctan.org/pkg/a@poster},  
  annotation = {Provides fonts in sizes of 12pt up to 107pt and also makes sure  
               that in math formulas the symbols appear in the right size. Can  
               also create a PostScript header file for  
               which ensures that the poster will be  
               printed in the right size. Supported sizes are DIN A0, DIN A1,  
               DIN A2 and DIN A3.},  
}
```

`ctan.bbx` is based on `authortitle` which can be changed easily in the file.

Currently there are 6397 bibliography data entries. The file `ctan.bib` will be created new every day.

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## Bibliography list by package name

A	2	B	8	C	18	D	28	E	34	F	40	G	45	H	50	I	53	J	56
K	58	L	59	M	68	N	77	O	80	P	82	Q	92	R	93	S	96	T	105
U	116	V	119	W	121	X	122	Y	124	Z	125								

Package	Caption	Author	Page
<b>AAAAA</b>			
a0poster	Support for designing posters on large paper	Kettl, Weiser	277
a2ac	AFM to AFM plus Composites	Olšák	372
a2ping	Advanced PS, PDF, EPS converter	Szabó	465
a4	Support for A4 paper sizes	Poppelier, Braams	390
a4wide	”Wide” a4 layout	Holt, Lamy	257
a5comb	Support for a5 paper sizes	Wolczko	533
aaai-named	BibTeX style for AAAI	Patel-Schneider	381
aaai	AAAI style	Patel-Schneider	381
Aalok	L <sup>A</sup> T <sub>E</sub> X class file for the Marathi journal ‘Aalok’	Unknown	495
aastex	Macros for Manuscript Preparation for AAS Journals	AAS	130
abbr	Simple macros supporting abbreviations for Plain and L <sup>A</sup> T <sub>E</sub> X	Thành	478
abbrevs	Text abbreviations in L <sup>A</sup> T <sub>E</sub> X	Swift	461
abc	Support ABC music notation in L <sup>A</sup> T <sub>E</sub> X	Gregorio	235
abc2mtex	Notate tunes stored in ABC notation	Walshaw	523
abnt	Typesetting academic works according to ABNT rules	Cherem	175
abntex2	Typeset technical and scientific Brazilian documents based on ABNT rules	Araujo	131
abntexto	L <sup>A</sup> T <sub>E</sub> X class for formatting academic papers in ABNT standards	Abreu	126
Aboensis	A late medieval OpenType cursive font	Syrjänen	462
abraces	Asymmetric over-/underbraces in maths	Grundlingh	237
abspos	Absolute placement with coffins	Hetland	252
abstbook	Books of abstracts	Havlik	246
abstr-collect	Print a collection of abstracts	Balemi	137
abstract	Control the typesetting of the abstract environment	Robertson, Wilson	406
abstyles-babel	Adaptable styles for use with Babel	Bautista	141
abstyles-orig	Adaptable BibTeX styles	Bode	152
academicons	Font containing high quality icons of online academic profiles	Fernandes	209
accanthis	Accanthis fonts, with L <sup>A</sup> T <sub>E</sub> X support	Tennent	473
accenti	Extra accented character macros, designed for Italian	Bosisio	155
accents-cs	Create a VF for the accents used in Czech/Slovak	Zlatuska	547
accents	Multiple mathematical accents	Bezos López	316
accessibility	Create tagged and structured PDF files	Clifton	180
accfonts	Utilities to derive new fonts from existing ones	Smith	446
accsupp	Better accessibility support for PDF files	Oberdiek	364
achemso	Support for American Chemical Society journal submissions	Wright, Dahlgren	536
achicago-bst	Chicago Manual BibTeX style	Swift	461
achicago	Chicago Manual citations in L <sup>A</sup> T <sub>E</sub> X	Swift	461
acm	ACM document style	Leichter	310
acmart	Class for typesetting publications of ACM	Veytsman	509
acmconf	Class for ACM conference proceedings	Vollmer	514
acmproc	Style option for ACM proceedings	Lamport	304
acmtrans	Class and BibTeX style for ACM Transactions	Lamport, Appel, Boyland	304
acro	Typeset acronyms	Niederberger	358
acroflex	Create a graphing widget in a PDF file	Story	455
acromake	Make commands for acronyms	Thompson	487
AcroMemory	Memory games in L <sup>A</sup> T <sub>E</sub> X	Story	455
acronym	Expand acronyms at least once	Oetiker, Oberdiek	371

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
acronym209	An algorithm package developed for L <sup>A</sup> T <sub>E</sub> X 2.09	Kewley	277
acoreloadpdf	Reload-the-current-PDF utility for Adobe Reader on Unix systems	Grahn	231
AcroSort	Sort sliced image into order	Story	455
acroterm	Manage and index acronyms and terms	Voß	521
acrotex-js	JavaScript files used by acrotex and other packages	Story	455
acrotex-web	Establish a page layout for an on-screen (PDF) document	Story	455
acrotex	The AcroTeX education bundle	Story	455
acroweb	Scripts to create interactive tests from a database	Mařík	331
acs	L <sup>A</sup> T <sub>E</sub> X 2.09 support for Advances in Control Systems	Unknown	495
active-conf	Class for typesetting ACTIVE conference papers	Robertson	404
actuarialangle	Angle symbol denoting a duration in actuarial and financial notation	Goulet	230
actuarialsymbol	Actuarial symbols of life contingencies and financial mathematics	Goulet, Beauchemin	231
adami	A DOS system for working with Tamil	Srinivasan	451
add-wes	A "book" style for Addison-Wesley house style	Barton-Davis, Mansfield	140
addfont	Easier use of fonts without L <sup>A</sup> T <sub>E</sub> X support	Jørgensen	270
addindex	Add index entries to L <sup>A</sup> T <sub>E</sub> X document	Gil	224
addliga	Access basic ligatures in legacy TrueType fonts	Miller	342
addlines	A user-friendly wrapper around \enlargethispage	Robertson	404
address	Generate form letters and address labels	Wester, Damrau	527
AddTeX2Eps	Use L <sup>A</sup> T <sub>E</sub> X syntax on EPS figures, within Mathematica	Slavič	445
adfathesis	Australian Defence Force Academy thesis format	Harker	245
adfor	OrnamentsADF font with T <sub>E</sub> X/L <sup>A</sup> T <sub>E</sub> X support	Rees	399
adfsymbols	SymbolsADF with T <sub>E</sub> X/L <sup>A</sup> T <sub>E</sub> X support	Rees	399
adhocfilelist	'\listfiles' entries from the command line	Lück	322
adigraph	Augmenting directed graphs	Cappelletti	167
adjmulticol	Adjusting margins for multicolumn and single column output	Veytsman	509
adjustbox	Graphics package-alike macros for "general" boxes	Scharrer	421
adobe-euro	Metric and map files for the Adobe Euro fonts	Unknown	495
adobecasl	Adobe Caslon font in L <sup>A</sup> T <sub>E</sub> X	Veytsman	509
adobemapping	Adobe cmap and pdfmapping files	Adobe	126
adrconv	BibTeX styles to implement an address database	Kielhorn	279
adrlist	Using address lists in L <sup>A</sup> T <sub>E</sub> X	Spribile	451
adrtrees	Macros for drawing adpositional trees	Benini, Gobbo	147
advdate	Print a date relative to "today"	Wagner	522
ae	Virtual fonts for T1 encoded CMR-fonts	Engelbrechtsen	203
aeb-minitoc	Create mini-tocs	Story	455
aeb-mlink	Multi-line links with hyperref	Story	455
aeb-mobile	Format PDF files for use on a smartphone	Story	455
AeB Pro	Items from the AeB Pro Family of Software	Story	455
aeb-tilebg	AeB Tiling Backgrounds	Story	456
aeb_dad	A drag-and-drop matching game with PDF files	Story	456
aebenvelope	The AeB Pro eEnvelope System	Story	456
AeB slicing	An image slicer	Story	455
aebXMP	Add advanced metadata to PDF files	Story	456
aecc	Almost European Concrete Roman virtual fonts	Rivera	403
aeguill	Add several kinds of guillemets to the ae fonts	Roegel	409
aesupp	Special support for the æ character	Jørgensen	270
AFMtoPL (Clark)	Convert AFM files to PLs for use with dvitops	Clark	179
AFMtoPL (Elwell)	An early converter from AFM to PL	Elwell	202
AFMtoPL (Wolczko)	Unix utilities for translating AFM files to PL	Wolczko	533
afparticle	Typesetting articles for Archives of Forensic Psychology	Veytsman	509
afterpackage	Add commands to package after it's loaded	Rozhenko	416
afterpage	Execute command after the next page break	Carlisle, L <sup>A</sup> T <sub>E</sub> X Team	170
afthesis	Air Force Institute of Technology thesis class	Young	542
aguplus	Styles for American Geophysical Union	Daly	186

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
aiaa	Typeset AIAA conference papers	Kleb	283
aichej	Bibliography style file for the AIChE Journal	Schaber	421
aifont	Remap Computer Modern fonts	Collins	182
ajl	BibTeX style for AJL	Nash	355
AkkTeX	A collection of packages and classes	Akkerman	128
akletter	Comprehensive letter support	Kielhorn	279
akshar	Support for syllables in the Devanagari script	Vũ	521
alatrix	Abstract L <sup>A</sup> T <sub>E</sub> X	Swift	461
albatross	Find fonts that contain a given glyph	Island of TeX	264
alchemist	Typeset alchemist and astrological symbols	Buxbaum	166
alegreya	Alegreya fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	474
aleph	Extended T <sub>E</sub> X	Bilotta, T <sub>E</sub> XLive	150
alertmessage	Alert messages for L <sup>A</sup> T <sub>E</sub> X	Dupuis	198
AlfaSlabOne	The Alfa Slab One font face with support for L <sup>A</sup> T <sub>E</sub> X and pdfLaTeX	Ebinger	199
alg	L <sup>A</sup> T <sub>E</sub> X environments for typesetting algorithms	Ulfberg	494
algbbox	Typeset Algbbox programs	Rivaud	403
algotrevied	A revival of Frutiger's Algol alphabet	Sharpe	436
algorithm2e	Floating algorithm environment with algorithmic keywords	Fiorio, Kokan	212
algorithmicx	The algorithmic style you always wanted	János	266
algorithms	A suite of tools for typesetting algorithms in pseudo-code	Brito, Williams	160
algpseudocodex	Package for typesetting pseudocode	Matt	334
algxpar	Support multiple lines pseudocode	Moreira	348
aliascnt	Alias counters	Oberdiek	364
aligned-overset	Fix alignment at \overset or \underset	Krüger	298
alkalami	A font for Arabic-based writing systems in Nigeria and Niger	Tennent	474
allegno	Automatic numbering of all equations	Thornburg	487
allrunes	Fonts and L <sup>A</sup> T <sub>E</sub> X package for almost all runes	Werner	527
alltt	Everything in tt font, but obey commands and line endings	Lamport, Braams, L <sup>A</sup> T <sub>E</sub> X Team	305
alltt2	Indented version of alltt	Wolczko, Lamport	534
almendra	Almendra fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	474
almfixed	Arabic-Latin Modern Fixed extends T <sub>E</sub> X-Gyre Latin Modern Mono 10	Hamid	241
	Regular to full Arabic Unicode support		
alnumsec	Alphanumeric section numbering	Küster	302
alpha-persian	Persian version of alpha.bst	Shapour	436
alpha	Editor for the Macintosh with good T <sub>E</sub> X support	Keleher	276
alphabib	Add alphabetical headers into citations	Hilléreau	253
alphalph	Convert numbers to letters	Oberdiek	364
alphanum-bst	Modified alpha BibTeX style	Thomas	486
alphanum	Sectioning commands for jura	Braun	158
alphanumb	A modification of alpha.bst	Thomas	486
alterqcm	Multiple choice questionnaires in two column tables	Matthes, Syropoulos, Dimou	335
altfont	Alternative font handling in L <sup>A</sup> T <sub>E</sub> X	Kirsch	282
altnline	Line numbering in L <sup>A</sup> T <sub>E</sub> X 2.09	Fortune	216
altsubsup	Subscripts and superscripts with square brackets	Labbé	303
altverse	Typesetting verse	Shipunov	440
ama	AMA manual of style citations	Kort, Trickey	296
ametsoc	Official American Meteorological Society L <sup>A</sup> T <sub>E</sub> X Template	Papa, AMeteoS	379
amiri	A classical Arabic typeface, Naskh style	Hosny	259
amiweb2c-guide	How to install AmiWeb2c	Finnberg	211
amiweb2c	An Amiga port of web2C	Scherer	424
ams-cd	AMSTeX Commutative Diagrams for L <sup>A</sup> T <sub>E</sub> X	Hankerson	242
ams2bib	Convert AMS-TeX style bibliography entries to BibTeX	Werschulz	527
amsaddr	Alter the position of affiliations in amsart	Lelong	311

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
amsart	L <sup>A</sup> T <sub>E</sub> X document class for AMS math journal articles	The AMS	479
amsbook	L <sup>A</sup> T <sub>E</sub> X document class for AMS books	The AMS	479
ambsy	Produce bold math symbols (AMS-LaTeX)	L <sup>A</sup> T <sub>E</sub> X Team	481
amscd	AMS-L <sup>A</sup> T <sub>E</sub> X commutative diagrams	L <sup>A</sup> T <sub>E</sub> X Team	481
amscdx	Enhanced commutative diagrams	Vermeer	508
amscs-doc	User documentation for AMS document classes	The AMS	479
amscs	AMS document classes for L <sup>A</sup> T <sub>E</sub> X	The AMS	479
amsfonts	TeX fonts from the American Mathematical Society	The AMS	479
amslatex-primer	Getting up and running with AMS-LaTeX	Hirschhorn	254
amslatex	Mathematical enhancements for L <sup>A</sup> T <sub>E</sub> X	The AMS	479
amslatexdoc-vie...	Vietnamese translation of AMS L <sup>A</sup> T <sub>E</sub> X documentation	Huynh	261
amsltx11	AMS-LaTeX, original version (obsolete)	The AMS	479
amsmath-it	Italian translations of some old amsmath documents	Ferrante, de Bari	209
amsmath	AMS mathematical facilities for L <sup>A</sup> T <sub>E</sub> X	L <sup>A</sup> T <sub>E</sub> X Team	481
amsmidx	Support for multiple indexes in AMS Classes	The AMS	479
amsopn	Typeset mathematical operator names	L <sup>A</sup> T <sub>E</sub> X Team	481
amspell	ASCII and L <sup>A</sup> T <sub>E</sub> X spell checker	Merckens, Frambach	340
amsppt	AMS-TeX article preprint document style	The AMS	479
amsppt1	AMS-TeX v.2 compatibility for amsppt.sty v.1	The AMS	479
amsproc	L <sup>A</sup> T <sub>E</sub> X document class for AMS conference proceedings	The AMS	479
amsrefs	A L <sup>A</sup> T <sub>E</sub> X-based replacement for BibTeX	The AMS, Downes, Jones	480
amstex	American Mathematical Society plain T <sub>E</sub> X macros	The AMS	480
amstext	Typeset text fragments in mathematics	L <sup>A</sup> T <sub>E</sub> X Team	481
amsthm	Typesetting theorems (AMS style)	The AMS	480
analogclock	An analog ticking clock package for PDF output	Randez	397
andika	andika fonts with support for all L <sup>A</sup> T <sub>E</sub> X engines	Tennent	474
animate	Create PDF and SVG animations from graphics files and inline graphics	Grahn	231
anleitung	Using L <sup>A</sup> T <sub>E</sub> X with MikTeX, including TrueType fonts	Weissenburger	526
annee-scolaire	Automatically typeset the academic year (French way)	Henel	250
annot-pro	Create text, stamp and file attachment annotations	Story	456
annotate-equations	Easily annotate math equations using TikZ	John	269
annotate	A bibliography style with annotations	Unknown	495
annotation-pkg	Suppress or permit annotations to a document	Hofmann	255
annotation	A BibTeX style that processes annotations	Unknown	495
anonchap	Make chapters be typeset like sections	Robertson, Wilson	406
anonymous-acm	Typeset anonymous versions for ACM articles	Becker	144
AnonymousPro	Use AnonymousPro fonts with L <sup>A</sup> T <sub>E</sub> X	Esbaty	204
ans	Answers and solutions, for L <sup>A</sup> T <sub>E</sub> X 2.09	Wells	526
answers	Setting questions (or exercises) and answers	Wright, Piff	536
ant-worker-tasks	Apache ANT Tasks for T <sub>E</sub> X and PDF	Niedermair	360
ant	A typesetting system inspired by T <sub>E</sub> X	Blumensath	152
antanilipsum	Generate sentences in the style of “Amici miei”	Coleman	181
anti	Typeset an anti-particle in maths mode	Holmes	257
antomega	Alternative language support for Omega/Lambda	Kryukov	299
antp	Antykwa Półtawskiego: a Type 1 family of Polish traditional type	Nowacki	363
antt	Antykwa Toruńska: a Type 1 family of a Polish traditional type	Nowacki	363
antttvf	Virtual fonts for PostScript Antykwa Toruńska font	Wierzbicki	529
ANUfinalexam	L <sup>A</sup> T <sub>E</sub> X document shell for ANU final exam	Kam	273
anyfontsize	Select any font size in L <sup>A</sup> T <sub>E</sub> X	Szabó	465
ansize	A simple package to set up document margins	Esser	204
aobs-tikz	TikZ styles for creating overlaid pictures in beamer	Fiandrino	209
aomart	Typeset articles for the Annals of Mathematics	Veytsman	509
apa	American Psychological Association format	Protopapas	392
apa6	Format documents in APA style (6th edition)	Beitzel	147

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
apa6e	Format manuscripts to APA 6th edition guidelines	Smith	446
apa7	Format documents in APA style (7th edition)	Weiss	526
apabst	Early APA BibTeX style	Rogers	410
apacite	Citation style following the rules of the APA	Meijer	339
apalike-ejor	A BibTeX style file for the European Journal of Operational Research	Rumpf	418
apalike-german	A copy of apalike.bst with German localization	Braun	158
apalike2	Bibliography style that approaches APA requirements	Reiser, Ho	401
apasoft	An APA-like style for BibTeX	Porr	390
apeqnum	Number equations by appendix	Hosek	258
apl	Fonts for typesetting APL programs	Hohti, Kanerva	257
aplweb	Literate programming in APL	Schweigert	433
apnum	Arbitrary precision numbers implemented by T <sub>E</sub> X macros	Olšák	372
appelt-chess	Chess board macros using standard fonts	Unknown	495
appendix	Extra control of appendices	Robertson, Wilson	406
appendixnumberb...	Manage frame numbering in appendixes in beamer	Lelong	311
appendre-a-pro...	The book “Apprendre à programmer en T <sub>E</sub> X”	Tellechea	473
appends-latex	Appends L <sup>A</sup> T <sub>E</sub> X!	Baudoin	141
apptools	Tools for customising appendices	Kuhnert	301
apxproof	Proofs in appendix	Senellart	435
ar	Capital A and capital R ligature for Aspect Ratio	Beccari	142
arabi-add	Using hyperref and bookmark packages with arabic and farsi languages	Lakhdar	304
arabi	(La)T <sub>E</sub> X support for Arabic and Farsi, compliant with Babel	Jabri	264
arabic-book	An Arabic book class	Alziyadi	130
arabic	Read a lower-case roman number	Selberg	435
arabicfront	Frontmatter with arabic page numbers	Bezos López	317
arabluatex	ArabTeX for LuaLaTeX	Alessi	128
arabtex	Macros and fonts for typesetting Arabic	Lagally	303
arabxetex	An ArabTeX-like interface for X <sub>Y</sub> L <sup>A</sup> T <sub>E</sub> X	Charette, Khalighi, bidi-tex GitHub Organisation	174
aramaic-serto	Fonts and L <sup>A</sup> T <sub>E</sub> X for Syriac written in Serto	Heinecke	247
aramaic	Fonts for Aramaic script	Wilson	530
arara	Automation of L <sup>A</sup> T <sub>E</sub> X compilation	Cereda	172
arbeit	Typeset classwork exercises	Burkhardt	164
archaeologie	A citation-style which covers rules of the German Archaeological Institute	Bossert	156
archaic	A collection of archaic fonts	Wilson, Zimmermann, Syropoulos	533
Archivo	The Archivo font face with support for L <sup>A</sup> T <sub>E</sub> X and pdfLaTeX	Ebinger	199
arcs	Draw arcs over and under text	Boggio-Togna	153
arev	Fonts and L <sup>A</sup> T <sub>E</sub> X support files for Arev Sans	Hartke	246
arimo	Arimo sans serif fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	474
arlatex	A L <sup>A</sup> T <sub>E</sub> X-based archiver	Pakin	376
armtex	A system for writing in Armenian with T <sub>E</sub> X and L <sup>A</sup> T <sub>E</sub> X	Dachian, Dalalyan, Akopian	185
armymemo	A document class for Army memorandums in accordance with AR 25-50	Sharpsten	439
aro-bend	Exercises in T <sub>E</sub> X, with answers	Downes	194
arosgn	Support for the Bengali language	Ali	129
around-the-bend	Typeset exercises in T <sub>E</sub> X, with answers	Downes, Wilson	194
arphic-ttf	TrueType version of Chinese Arphic fonts	Yamashita	538
arphic	Arphic (Chinese) font packages	Lemberg	311
array	Extending the array and tabular environments	Mittelbach, L <sup>A</sup> T <sub>E</sub> X Team	345
arraycols	New column types for array and tabular environments	Missier	343
arrayjob	Array data structures for (La)TeX	Sharpe, Jiang	439
arrayjobx	Array data structures for (La)TeX	Sharpe, Jiang	439



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
Array Maker	A program for making L <sup>A</sup> T <sub>E</sub> X and xypic arrays	Arapura	131
arraysort	Sort arrays (or portions of them)	Lee	309
arrow	Eplain macros for commutative diagrams	Smith	446
ArsClassica	A different view of the ClassicThesis package	Pantieri	379
artex	Make filecontents environments of non-standard files or packages	Efford	199
article	Default class for composing an article	L <sup>A</sup> T <sub>E</sub> X Team	481
articleingud	L <sup>A</sup> T <sub>E</sub> X class for articles published in INGENIERIA review	Morales	347
artthreads	Support for article threads	Story	456
Arvo	The Arvo font face with support for L <sup>A</sup> T <sub>E</sub> X and pdfLaTeX	Ebinger	199
arXivBib	Get bibliography entries from arXiv.org	Forkosh	215
arydshln	Draw dash-lines in array/tabular	Nakashima	355
asaetr	Transactions of the ASAE	Pearson	382
asana-math	A font to typeset maths in Xe(La)TeX and Lua(La)TeX	Syropoulos	463
asapsym	Using the free ASAP Symbol font with L <sup>A</sup> T <sub>E</sub> X and Plain T <sub>E</sub> X	Gessler	223
asc2tex	Retrieve text from screenshots	Götz	230
ascelike	Bibliography style for the ASCE	Kuhn	300
ascii-chart	An ASCII wall chart	Eijkhout	200
ascii-cyrillic	A Latin alphabet representation of Cyrillic	Siebenmann	441
ascii-font	Use the ASCII “font” in L <sup>A</sup> T <sub>E</sub> X	Syropoulos, Nickalls	464
asciilist	Environments AsciiList and AsciiDocList for prototyping nested lists in L <sup>A</sup> T <sub>E</sub> X	Grewé	236
ascmac	Boxes and picture macros with Japanese vertical writing support	Japanese T <sub>E</sub> X Team	266
askinclude	Interactive use of \includeonly	Straub, Oberdiek	459
askmaps	Typeset American style Karnaugh maps	op den Brouw	160
asmeconf	A L <sup>A</sup> T <sub>E</sub> X template for ASME conference papers	Lienhard	314
asmejour	A template for ASME journal papers	Lienhard	314
aspectratio	Capital A and capital R ligature for Aspect Ratio	Beccari	142
aspell	Spell checker	Atkinson	135
assignment	A class file for typesetting homework and lab assignments	Singh	444
assoccnt	Associate counters, making them step when a master steps	Hupfer	261
association-matrix	L <sup>A</sup> T <sub>E</sub> X support for creating association matrices	Unknown	495
asternote	Annotation symbols enclosed in square brackets and marked with an asterisk	Kusakabe	302
astro	Astronomical (planetary) symbols	Schmitt	427
astron	BibTeX style for astronomical journals	Hogeveen	256
astyped	Verbatim environment, with rather few escapes	Unknown	495
asyfig	Commands for using Asymptote figures	Robertson	404
asymptote-by-ex...	Asymptote by example	Unknown	495
asymptote-faq-z...	Asymptote FAQ (Chinese translation)	Unknown	495
asymptote-manua...	A Chinese translation of the asymptote manual	Unknown	496
asymptote	2D and 3D T <sub>E</sub> X-Aware Vector Graphics Language	Bowman, Hammerlindl	157
asypictureB	User-friendly integration of Asymptote into L <sup>A</sup> T <sub>E</sub> X	Staats III	262
at	Short commands starting '@'	Wooding	534
atari-cstex	TeX for Atari machines	Brandt	158
atbegshi	Execute stuff at \shipout time	Oberdiek	364
atenddvi	Provides the \AtEndDvi command	Oberdiek	364
atendofenv	Add a custom symbol at the end of an environment	Zhou	547
atkinson	Support for the Atkinson Hyperlegible family of fonts	Tennent	474
attachfile	Attach arbitrary files to a PDF document	Pakin	376
attachfile2	Attach files into PDF	Oberdiek	364
attrib	Attribution of block quotations in L <sup>A</sup> T <sub>E</sub> X	Swift	461
atveryend	Hooks at the very end of a document	Oberdiek	364
aucklandthesis	Memoir-based class for formatting University of Auckland masters' and doctors' theses	Kwan	302

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
auctex	Emacs support files for T <sub>E</sub> X	The AUCTeX Team, Thorup, Abrahamsen	480
augie	Calligraphic font for typesetting handwriting	Schmidt, Harcombe	425
auncial-new	Artificial Uncial font and L <sup>A</sup> T <sub>E</sub> X support macros	Wilson	530
auncial	Artificial Uncial manuscript book-hand font	Wilson	530
aurical	Calligraphic fonts for use with L <sup>A</sup> T <sub>E</sub> X in T1 encoding	Gollwitzer	228
aurl	Extends the hyperref package with a mechanism for hyperlinked URLs abbreviated with prefixes	Höffner	255
aurora	Header files for dvips to make colour separations	Freeman	217
authblk	Support for footnote style author/affiliation	Daly	186
authoraftertitle	Make author, etc., available after \maketitle	Bilger	150
authorarchive	Adds self-archiving information to scientific papers	Brucker	161
authordate	Author/date style citation styles	Rhead	402
authorindex	Index citations by author names	Wettstein	527
auto-pst-pdf-lua	Using LuaL <sup>A</sup> T <sub>E</sub> X together with PostScript code	Voß	515
auto-pst-pdf	Wrapper for pst-pdf (with some psfrag features)	Robertson	404
auto1	L <sup>A</sup> T <sub>E</sub> X support for Underware Auto 1 fonts	Schlömer	425
autoalign	Align terms and members in math expressions	Tellechea	473
autobreak	Simple line breaking of long formulae	Ueda	494
autoconf	Autoconf macros to test for the presence of L <sup>A</sup> T <sub>E</sub> X	Mathieu	334
autofancyhdr	Automatically compute headlength for fancyhdr package	Baghban	137
AutoLaTeX	Automate compilation of large scale L <sup>A</sup> T <sub>E</sub> X projects	Galland	220
autolist	More lists	Shipunov	440
automagic	Automagic numbering in Plain T <sub>E</sub> X	Unknown	496
automata	Finite state machines, graphs and trees in MetaPost	Puppis	392
automatica	A harvard-family BibTeX style	Balemi	137
autonum	Automatic equation references	Häcker	239
autopdf	Conversion of graphics to pdfLaTeX-compatible formats	Wette	527
autopict	The L <sup>A</sup> T <sub>E</sub> X picture mode, for use with Plain T <sub>E</sub> X	L <sup>A</sup> T <sub>E</sub> X Team, Carlisle	485
autopuncitems	Automatically punctuate lists	Ewasiuk	204
autosps	A Preprocessor that generates note-spacing commands for MusiXTeX scores	Tennent	474
autotab	Generating tabulars from input data	Kruljac	299
autotoc	Table of contents in Plain T <sub>E</sub> X	Unknown	496
autoview	Maintain a Ghostscript view of emacs buffer	Goel	227
auxhook	Hooks for auxiliary files	Oberdiek	364
avremu	An 8-Bit Microcontroller Simulator written in L <sup>A</sup> T <sub>E</sub> X	Dietrich	191
aweb	Web system for programs written in Ada	Schweigert	433
awesomebox	Draw admonition blocks in your documents, illustrated with FontAwesome icons	Deparis	190
axessibility	Access to formulas in PDF files by assistive technologies	Coriasco, Murru	183
axodraw	Feynman diagrams in a L <sup>A</sup> T <sub>E</sub> X document	Vermaseren	508
axodraw2	Feynman diagrams in a L <sup>A</sup> T <sub>E</sub> X document	Collins, Vermaseren	182
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b1encoding	L <sup>A</sup> T <sub>E</sub> X encoding tools for Bookhands fonts	Wilson	530
babel-albanian	Support for Albanian within babel	Bezos López, Braams	318
babel-azerbaijani	Support for Azerbaijani within babel	Bezos López	317
babel-bahasa	Support for Bahasa within babel	Knappen, Mart, Braams	288
babel-basque	Babel contributed support for Basque	Aguirregabiria, Zubia Garea	128
babel-belarusian	Babel support for Belarusian	Novodvorsky, Shadura	363
babel-bosnian	Babel contrib support for Bosnian	Halilčević	241
babel-breton	Babel contributed support for Breton	Rolland	411
babel-bulgarian	Babel contributed support for Bulgarian	Boshnakov, Bezos López, Braams	155



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babel-contrib	Contributed language-support files for Babel	various authors	506
babel-croatian	Babel contributed support for Croatian	Pać, Kokan	376
babel-czech	Babel support for Czech	Bezoz López, Braams	318
babel-danish	Babel contributed support for Danish	Bezoz López, Braams	318
babel-dutch	Babel contributed support for Dutch	Bezoz López, Braams	318
babel-english	Babel support for English	Bezoz López, Braams	318
babel-esperanto	Babel support for Esperanto	Bezoz López, Braams, Martí	320
babel-estonian	Babel support for Estonian	Vajakas, Saar	505
babel-finnish	Babel support for Finnish	Bezoz López, Braams	319
babel-french	Babel contributed support for French	Flipo	213
babel-friulan	Babel/Polyglossia support for Friulan(Furlan)	Beccari	142
babel-galician	Babel/Polyglossia support for Galician	Música de Rivera	403
babel-georgian	Babel support for Georgian	Shoshiashvili, Lemberg	441
babel-german	Babel support for documents written in German	Raichle, Braams, Spitzmüller	396
babel-greek	Babel support for the Greek language and script	Syropoulos, Bezoz López, Braams, Milde	464
babel-hebrew	Babel support for Hebrew	Bezoz López, Braams, Lavva, Rosendahl	320
babel-hungarian	Babel support for Hungarian (Magyar)	Szabó	465
babel-icelandic	Babel support for Icelandic	Árnason, Braams, Bezoz López	132
babel-indonesian	Support for Indonesian within babel	Knappen, Mart, Braams, Bezoz López	288
babel-interlingua	Babel support for Interlingua	Bezoz López, Braams	319
babel-irish	Babel support for Irish	Bezoz López, Braams	319
babel-italian	Babel support for Italian text	Bezoz López, Braams, Beccari, Codogno	319
babel-japanese	Babel support for Japanese	Ing, Japanese T <sub>E</sub> X Team	262
babel-kurmanji	Babel support for Kurmanji	Bezoz López, Braams	319
babel-latin	Babel support for Latin	Wehr, Bezoz López, Braams, Beccari	526
babel-latvian	Babel support for Latvian	Lasis, Bezoz López	306
babel-lithuanian	Babel support for documents written in Lithuanian	Tolušis	489
babel-macedonian	Babel module to support Macedonian Cyrillic	Trajanovski	490
babel-malay	Support for Malay within babel	Knappen, Mart, Braams, Bezoz López	288
babel-norsk	Babel support for Norwegian	Bezoz López, Braams	319
babel-occitan	Babel support for Occitan	Valmary	505
babel-piedmontese	Babel support for Piedmontese	Beccari	142
babel-polish	Babel support for Polish	Bezoz López, Braams, Schalück, Janich, Woliński	320
babel-portuges	Babel support for Portuges	Bezoz López, Braams	319
babel-romanian	Babel support for Romanian	Bezoz López, Braams, Horst, Juhasz	319
babel-romansh	Babel/Polyglossia support for the Romansh language	Beccari	142
babel-russian	Russian language module for Babel	Kotelnikov	296
babel-samin	Babel support for Samin	Bezoz López, Braams, Jernsletten	319
babel-scottish	Babel support for Scottish Gaelic	Bezoz López, Braams	319
babel-serbian	Babel/Polyglossia support for Serbian	Bezoz López, Braams, Stefanović	320
babel-serbianc	Babel module to support Serbian Cyrillic	Brčić, Stefanović	159

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babel-sorbian	Babel support for Upper and Lower Sorbian	Bezós López, Braams, Werner	320
babel-spanglish	Simplified Spanish support for Babel	Rivera	404
babel-spanish	Babel support for Spanish	Bezós López, Sanchez	320
babel-swedish	Babel support for typesetting Swedish	Bezós López, Braams, Hell- man	319
babel-thai	Support for Thai within babel	Karoonboonyanan	274
babel-turkish	Babel support for Turkish documents	MacKay, Burc, Bezós López	328
babel-ukrainian	Babel support for Ukrainian	Braams, Ponomarenko	157
babel-vietnamese	Babel support for typesetting Vietnamese	Lemberg, Kotucha, Bezós López	312
babel-welsh	Babel support for Welsh	Braams, Bezós López	157
babel	Multilingual support for L <sup>A</sup> T <sub>E</sub> X, LuaL <sup>A</sup> T <sub>E</sub> X, X <sub>Y</sub> L <sup>A</sup> T <sub>E</sub> X, and Plain T <sub>E</sub> X	Bezós López, Braams	318
babelbib	Multilingual bibliographies	Harders, Preining	245
babeltools	Tools for dealing with Babel annoyances	Bezós López	317
babylonianum	Typeset Babylonian numerals with XeT <sub>E</sub> X	Pinson	388
backgrnd	Mark text with grey background or change bar	Schmitt	427
background	Placement of background material on pages of a document	Medina Arellano	131
backnaur	Typeset Backus Naur Form definitions	Robson	408
backref	Make hyper-references back from bibliography to citation	Oberdiek	364
backrefx	Bibliographical back referencing	Els	202
badge	Print badge labels	van Oostrum	373
baekmuk	Baekmuk Korean TrueType fonts	Kim, Lemberg	281
bagpipe	Support for typesetting bagpipe music	Innis	262
bahyph	Hyphenation for Basque	Aguirregabiria	127
bakoma-fonts	Computer Modern and AMS fonts in outline form	Malyshev	331
bakoma-games	BaKoMa modules for music and games	Malyshev	331
bakoma-mac	A BaKoMa system for the Macintosh	Malyshev	331
bakoma	A T <sub>E</sub> X distribution for MS-Windows VISTA/XP/2000	Malyshev	331
balance	Balanced two-column mode	Daly	186
balanced	Balance double-column sections in L <sup>A</sup> T <sub>E</sub> X	Unknown	496
balancedquotes	Code balanced quotes according to document language	Selberg	435
bangla	A comprehensive Bangla L <sup>A</sup> T <sub>E</sub> X package	Hossain	259
bangorcsthesis	Typeset a thesis at Bangor University	Gray	233
bangorexam	Typeset an examination at Bangor University	Gray	233
bangtex	Writing Bangla and Assamese with L <sup>A</sup> T <sub>E</sub> X	Pal	378
bankstatement	A L <sup>A</sup> T <sub>E</sub> X class for bank statements based on csv data	Kleber	283
bar	A patched version of bar.sty	Bleser, Lang	151
barcodes-vulis	A font for making barcodes	Vulis	521
barcodes	Fonts for making barcodes	Willadt	529
bard	Celtic bardic runes font	Lüddecke	324
bardi	Hyphenation and babel support for Bardi	Bowern	157
bardiag	L <sup>A</sup> T <sub>E</sub> X package for drawing bar diagrams	Stepanyan	454
bargraph-js	Create bar graphs using form fields and JavaScript	Story	456
barkom	A package for bar charts in L <sup>A</sup> T <sub>E</sub> X	Bleser, Lang	151
barracuda	Draw barcodes with Lua	Giacomelli	223
bartel-chess-fonts	A set of fonts supporting chess diagrams	Bartel, Preining	139
base	Definitive source of Plain T <sub>E</sub> X on CTAN	Knuth	288
bashful	Invoke bash commands from within L <sup>A</sup> T <sub>E</sub> X	Gil	224
bashkirian	Bashkirian extension to OT2 fonts	Knappen	287
basicarith	Macros for typesetting basic arithmetic	Goodman	228
BasicLaTeX-ru	An introduction to L <sup>A</sup> T <sub>E</sub> X, in Russian	Kuznetsov	302

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basix	A BASIC interpreter written in T <sub>E</sub> X	Greene	234
baskervaldadf	Baskervald ADF fonts collection with T <sub>E</sub> X/L <sup>A</sup> T <sub>E</sub> X support	Rees	399
baskervaldx	Extension and modification of BaskervaldADF with L <sup>A</sup> T <sub>E</sub> X support	Sharpe	436
baskervillef	Fry's Baskerville look-alike, with math support	Sharpe	436
basque-book	Class for book-type documents written in Basque	Ibarra	262
basque-date	Print the date in Basque	Ibarra	262
bath-bst	Harvard referencing style as recommended by the University of Bath Library	Ball	138
battleship	A L <sup>A</sup> T <sub>E</sub> X style file for typesetting Battleship logic puzzles	Kleber	283
baum	Trees, using PicTeX	Unknown	496
bbcard	Bullshit bingo, calendar and baseball-score cards	McPhee	338
bbding	A symbol (dingbat) font and L <sup>A</sup> T <sub>E</sub> X macros for its use	Neergaard, Horák	355
bbfig	Calculate and print bounding box	Batchelder, Cosell	141
bb12html	Convert a L <sup>A</sup> T <sub>E</sub> X .bbl file to formatted html code	Blok	152
bbm-macros	L <sup>A</sup> T <sub>E</sub> X support for "blackboard-style" cm fonts	Hilbrich	253
bbm	"Blackboard-style" cm fonts	Robert	404
bbold-type1	An Adobe Type 1 format version of the bold font	Horn, Hosny	258
bbold	Sans serif blackboard bold	Jeffrey	267
bboldx	Extension of the bold package with a Blackboard Bold alphabet	Sharpe	436
bbs	Bibliography style for Behavioral and Brain Sciences	Rogers	410
bchart	Draw simple bar charts in L <sup>A</sup> T <sub>E</sub> X	Kuhn	300
bclogo	Creating colourful boxes with logos	Chupin	179
bdfchess	Typeset correspondence chess games	Hassel	246
beamer-fuberlin	Beamer, using the style of FU Berlin	Voß	515
beamer-rl	Right to left presentation with beamer and babel	Bou	156
beamer-tut-pt	An introduction to the Beamer class, in Portuguese	Campani	167
beamer-verona	A theme for the beamer class	Valbusa	505
beamer	A L <sup>A</sup> T <sub>E</sub> X class for producing presentations and slides	Miletić, Wright, Unknown, Stuart, Tantau	342
beamer2thesis	Thesis presentations using beamer	Fiandrino	209
beamerappendixnote	Create notes on appendix frames in beamer	Semken	435
beameraudience	Assembling beamer frames according to audience	Marschall	332
beamerauxtheme	Supplementary outer and inner themes for beamer	Stuart	459
beamercolorthem...	A flexible beamer color theme to maximize visibility	Churchley	179
beamerdarkthemes	Dark color themes for beamer	Thiriet	486
beamerposter	Extend beamer and a0poster for custom sized posters	Dreuw, Deselaers	195
beamersubframe	Reorder frames in the PDF file	Kaufmann	275
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beamertheme-arg...	Simple, typographic beamer theme	Piazzai	385
beamertheme-cuerna	A beamer theme with 4 colour palettes	Ochoa	371
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beamertheme-epyt	A simple and clean theme for L <sup>A</sup> T <sub>E</sub> X beamer class	Hu	260
beamertheme-focus	A minimalist presentation theme for L <sup>A</sup> T <sub>E</sub> X Beamer	Africa	127
beamertheme-light	A minimal beamer style	Vergnet, Goepf	508
beamertheme-met...	A modern L <sup>A</sup> T <sub>E</sub> X beamer theme	Vogelgesang	514
beamertheme-npbt	A collection of L <sup>A</sup> T <sub>E</sub> X beamer themes	Markgraf	332
beamertheme-phn...	A simple beamer theme	Ol	372
beamertheme-pur...	A minimalistic presentation theme for L <sup>A</sup> T <sub>E</sub> X Beamer	Clasen	179
beamertheme-sai...	A beamer theme that incorporates colours and fonts of Saint Petersburg State University	Gankevich	221
Beamertheme-Sim...	Template for a simple presentation	Huang	260
beamertheme-Sim...	A simple and clean theme for L <sup>A</sup> T <sub>E</sub> X beamer	Huang	260
beamertheme-tco...	A beamer inner theme which reproduces standard beamer blocks using tcolorboxes	Unknown	496
beamertheme-trigon	A modern, elegant, and versatile theme for Beamer	Lambert	304

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beamerthemeAmur...	A new modern beamer theme	Chupin	179
beamerthemeJLTree	Contributed beamer theme	Lelong	311
beamerthemelalic	A beamer theme for LALIC	Moreira	348
beamerthemenirma	A Beamer theme for academic presentations	Revar	402
beamerthemeNord	A simple beamer theme using the “Nord” color theme	Wang	524
beamerthemetamu	A beamer theme for Texas A&M University	Zhao	546
bearwear	Shirts to dress TikZbears	Fischer	212
beaulivre	Write your books in a colorful way	XU	537
Beebe-DVI	A modular collection of DVI processors	Beebe	144
begingreek	Greek environment to be used with pdfL <sup>A</sup> T <sub>E</sub> X only	Beccari	142
beginlatex	A beginner’s guide to L <sup>A</sup> T <sub>E</sub> X	Flynn	214
begriff	Typeset Begriffschrift	Parsons	381
beilstein	Support for submissions to the “Beilstein Journal of Nanotechnology”	Sievers, Beilstein-Institut	442
beletter	Typeset Belgian letters	Kilfinger, Lenaerts	280
belleek	Free replacement for basic MathTime fonts	Kinch	282
bellmac	Outline scheme for form letter production	Bell	147
Bengali Omega	Bengali in Velthuis transliteration or in UTF-8	Raut	398
bengali-pandey	Support for the Bengali language	Pandey, Das	379
bera	Bera fonts	Rosenau, Dirr, Schmidt	413
berenisadf	Berenis ADF fonts and T <sub>E</sub> X/L <sup>A</sup> T <sub>E</sub> X support	Rees, Harendal	399
besjournals-bst	Bibliographies suitable for British Ecological Society journals	DeSouza	190
bestpapers	A BibT <sub>E</sub> X package to produce lists of authors’ best papers	Veytsman	509
betababel	Insert ancient greek text coded in Beta Code	Berkemeier	148
beton	Use Concrete fonts	Jensen	268
beuron	The script of the Beuronese art school	Wehr	526
bewerbung	Typesetting job applications	Hilbig	253
bez123	Support for Bezier curves	Robertson, Wilson	406
bezierplot	Approximate smooth function graphs with cubic bezier splines for use with TikZ or MetaPost	Romer	411
bfh-ci	Corporate Design for Bern University of Applied Sciences	Peischl	384
bfsymb	Generate bold symbols in Plain T <sub>E</sub> X mathematics	Münch	351
bg	Annotate backgammon matches and positions	Richter	402
bglyphen	Hyphenation patterns for Bulgarian	Boshnakov	155
bgreek	Using Beccari’s fonts in betacode for classical Greek	Rivera	404
bgteubner	Class for producing books for the publisher “Teubner Verlag”	Harders	243
bgqu	Improved quantifier stroke for Begriffschrift packages	Green	234
BHCexam	An exam class for mathematics teachers in China	Bao	138
bib-fr	French translation of classical BibT <sub>E</sub> X styles	Markey	332
bib-greek	A BibT <sub>E</sub> X style for Greek documents	Syropoulos	463
bib2dvi	Generate a DVI file from a Bibliography file	Frederiks	217
bib2gls	Command line application to convert .bib files to glossaries-extra.sty resource files	Talbot	465
bib2ml	BibT <sub>E</sub> X to HTML/SQL/XML translator	Galland	220
bib2xhtml	Convert BibT <sub>E</sub> X Files into XHTML	Spinellis, Hull	449
BibArts	“Arts”-style bibliographical information	Baumann	141
bibbuild	A bibliography builder for FileMaker Pro 7	Harrod	245
bibcard	An XView based interface for BibT <sub>E</sub> X databases	Grossniklaus, Ogden	237
bibcheck	Check on references to items in thebibliography	Radhakrishnan, Rajagopal	394
bibclean	A BibT <sub>E</sub> X prettyprinter, verifier, etc	Beebe	145
bibcop	Style checker for .bib files	Bugayenko	162
bibdb	BibT <sub>E</sub> X bibliography manager for MS-Windows and MS-DOS	Doron	193
bibentry	Full bibliography entries in the main text of a document	Daly	186
biber-cygwin	Biber binaries for Cygwin on Windows	Brown, Kime	161
biber-freebsd	Biber binaries for FreeBSD	Kime, Lečić	282

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biber-ms-macos	Biber (multiscript) binaries for MacOS	Kime	281
biber-ms-windows	Biber (multiscript) binaries for Windows	Kime	281
biber-ms	A BibTeX replacement for users of BibLaTeX (multiscript version)	Kime, Charette	282
biber-solaris	Biber binaries for Solaris	Syropoulos, Kime	464
biber-windows	Biber binaries for Windows	Kime	281
biber	A BibTeX replacement for users of BibLaTeX	Kime, Charette	282
Bibex	Automatic extraction of references from BibTeX databases	Guéhéneuc	237
bibexport	Extract a BibTeX file based on a .aux file	Markey	332
bibextract	Utilities to extract BibTeX data	Beebe	145
bibfile-reforma...	Puts .bib file page ranges into uniform format	Pearlmutter	382
bibfilex	A free bibliographic manager for BibLaTeX	Nardello	355
bibfind	Prints entries in your bib file that match search string	Breivik	159
bibhtml	BibTeX support for HTML files	Gray	233
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biblatex-abnt	BibLaTeX style for Brazil's ABNT rules	Marques	332
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biblatex-apa	BibLaTeX citation and reference style for APA	Kime	281
biblatex-apa6	BibLaTeX citation and reference style for APA 6th Edition	Kime	282
biblatex-archae...	A collection of BibLaTeX styles for German prehistory	Braun	158
biblatex-arthis...	BibLaTeX citation style covers the citation and bibliography guidelines for art historians	Bossert, Kemper	156
biblatex-author...	Author-year style with compact multiple-reference-citations and ibidem mechanism for BibLaTeX	Titz	488
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biblatex-bookin...	Manage book edited in article	Rouquette	413
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biblatex-bwl	BibLaTeX citations for FU Berlin	Voß	515
biblatex-casper...	A simple citation style for Chinese users	Vector	507
biblatex-cheats...	BibLaTeX/Biber 'cheat sheet'	Rees	399
biblatex-chem	A set of BibLaTeX implementations of chemistry-related bibliography styles	Wright	535
biblatex-chicago	Chicago style files for BibLaTeX	Fussner	219
biblatex-claves	A tool to manage claves of old literature with BibLaTeX	Rouquette	414
biblatex-cv	Create a CV from BibTeX files	Shub	441
biblatex-dw	Humanities styles for BibLaTeX	Waßenhoven	524
biblatex-enc	BibLaTeX style for the École nationale des chartes (Paris)	Camps	167
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biblatex-fiwi	BibLaTeX styles for use in German humanities	Spiegel	449
biblatex-gb7714...	A BibLaTeX implementation of the GBT7714-2015 bibliography style for Chinese users	Zhenzhen	546
biblatex-german...	Comprehensive citation style for German legal texts	Brodowski	160
biblatex-gost	BibLaTeX support for GOST standard bibliographies	Domanov	192
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biblatex-ieee	IEEE style files for BibLaTeX	Wright	535
biblatex-ijjsra	BibLaTeX style for the International Journal of Student Research in Archaeology	Bossert	156
biblatex-iso690	BibLaTeX style for ISO 690 standard	Hoftich	256
biblatex-jura	BibLaTeX stylefiles for German legal literature	Hard	243
biblatex-jura2	Citation style for the German legal profession	Christoph	179



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biblatex-juradiss	BibLaTeX stylefiles for German law theses	Schwan, Voß	433
biblatex-license	Add license data to the bibliography	Wagner	521
biblatex-lncs	BibLaTeX style for Springer Lecture Notes in Computer Science	Göttlinger	230
biblatex-lni	LNI style for BibLaTeX	Kopp	295
biblatex-luh-ipw	BibLaTeX styles for social sciences	Heins	248
biblatex-manusc...	Manage classical manuscripts with BibLaTeX	Rouquette	414
biblatex-mla	MLA style files for BibLaTeX	Clawson	180
biblatex-morenames	New names for standard BibLaTeX entry type	Rouquette	414
biblatex-ms	Sophisticated Bibliographies in LaTeX (multiscript version)	Kime	282
biblatex-multip...	Load multiple datamodels in BibLaTeX	Rouquette	414
biblatex-musuos	A BibLaTeX style for citations in musuos.cls	Weh	525
biblatex-nature	BibLaTeX support for Nature	Wright	535
biblatex-nejm	BibLaTeX style for the New England Journal of Medicine (NEJM)	Aluthge, Daniel	130
biblatex-nottsc...	Citation style for the University of Nottingham	Bossert	156
biblatex-opcit...	Use op. cit. for the booktitle of a subentry	Rouquette	414
biblatex-oxref	BibLaTeX styles inspired by the Oxford Guide to Style	Ball	138
biblatex-philos...	Styles for using BibLaTeX for work in philosophy	Valbusa	505
biblatex-phys	A BibLaTeX implementation of the AIP and APS bibliography style	Wright	535
biblatex-publist	BibLaTeX bibliography support for publication lists	Spitzmüller	449
biblatex-readbbl	Read a .bbl file created by biber	Voß	515
biblatex-realau...	Indicate the real author of a work	Rouquette	414
biblatex-sbl	Society of Biblical Literature (SBL) style files for BibLaTeX	Purton	393
biblatex-science	BibLaTeX implementation of the Science bibliography style	Wright	535
biblatex-shortf...	Use short forms of fields with BibLaTeX	Rouquette	414
biblatex-social...	BibLaTeX-style for the social sciences at HU Berlin	Bossert	156
biblatex-software	BibLaTeX stylefiles for software products	Di Cosmo	183
biblatex-source...	References by “division” in classical sources	Rouquette	414
biblatex-spbasic	A BibLaTeX style emulating Springer’s old spbasic.bst	Voß	515
biblatex-subseries	Manages subseries with BibLaTeX	Rouquette	414
biblatex-swiss...	Bibliography and citation styles following Swiss legal practice	Vion, Mörtl	513
biblatex-trad	“Traditional” BibTeX styles with BibLaTeX	Wemheuer	527
biblatex-true-c...	Correction of some limitation of the citepages=omit option of BibLaTeX styles	Rouquette	414
biblatex-unified	BibLaTeX implementation of the unified stylesheet for linguistics journals	von Fintel	212
biblatex-vancouver	Vancouver style for BibLaTeX	Mondal	346
BibLaTeX	Sophisticated Bibliographies in LaTeX	Lehman, Kime	310
biblatex2bibitem	Convert BibLaTeX-generated bibliography to bibitems	Avdeev	136
BiBLE	A BibTeX library editor	Schreiber	429
bibleref-french	French translations for bibleref	Rouquette, Pinson	415
bibleref-german	German adaptation of bibleref	Waßenhoven	524
bibleref-lds	Bible references, including those to the scriptures of the Church of Jesus Christ of Latter Day Saints	Parry	380
bibleref-mouth	Consistent formatting of Bible references	Parry	380
bibleref-parse	Specify Bible passages in human-readable format	Kuhnert	301
bibleref	Format bible citations	Talbot, Rouquette	471
bibletext	Insert Bible passages by their reference	Staps	452
biblio-perl	System for maintaining and presenting bibliographies	Stepanyan	454
biblio	A collection of bibliographies	Beebe	145
biblist	Print a BibTeX database	Schrod	429
biblook	Fast searching of BibTeX files	Erickson, Beebe	203
biblos	CGI interface to BibTeX files	Moller	346
bibmods	Tighter tolerances for bibliographies	Beebe	145
bibplain	Simple macros for using BibTeX with Plain TeX	Ferro	209
bibsort	Sort a BibTeX bibliography file	Beebe	145



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
BibTeX-examples	Examples of BibTeX usage	Beebe	145
BibTeX Database...	A simple interactive script to generate BibTeX Files	Gupta	238
BibTeX-help	VMS help file for BibTeX	Greenwade	234
bibtex-test	BibTeX testing files	Beebe	145
bibtex	Process bibliographies (bib files) for L <sup>A</sup> T <sub>E</sub> X or other formats	Patashnik	381
bibtex8	A fully 8-bit adaptation of BibTeX 0.99	Kempson, T <sub>E</sub> XLive	276
BibTeXMng	Manipulate BibTeX database files	VNP Comp	514
bibtexperllibs	BibTeX Perl Libraries	Gossen, Veytsman	230
bibtexu	An adaptation of BibTeX 0.99 that supports Unicode via ICU	Haralambous, Japanese T <sub>E</sub> X Team, T <sub>E</sub> XLive	243
BibTool	A tool for manipulating BibTeX files	Neugebauer	356
bibttools	Bib management tools	Kotz, Gildea	296
bibtopic	Include multiple bibliographies in a document	Basso, Ulrich	140
bibtopicprefix	Prefix references to bibliographies produced by bibtopic	Schröder	430
bibunits	Multiple bibliographies in one document	Fernández, Hansen	209
bibutils	A collection of bibliography format convertors	Putnam	393
bibview-x	A visual manager for BibTeX files	Liebl, Martin, Urban	314
bibview	View BibTeX files	Jacobsen	265
bibweb	Automatically retrieve bibliography from MathSciNet	Palmieri	378
bicaption	Support for bilingual captions	Sommerfeldt	447
bickham	Virtual fonts for Adobe Bickham Script Pro	Sharpe	437
bidi-atbegshi	Bidi-aware shipout macros	Khalighi, bidi-tex GitHub Organisation	277
bidi	Bidirectional typesetting in plain T <sub>E</sub> X and L <sup>A</sup> T <sub>E</sub> X, using XeTeX	Khalighi, bidi-tex GitHub Organisation	277
bidicontour	Bidi-aware coloured contour around text	Khalighi, bidi-tex GitHub Organisation	277
bidihl	Experimental bidi-aware text highlighting	Khalighi, bidi-tex GitHub Organisation	277
bidipagegrid	Bidi-aware page grid in background	Khalighi, bidi-tex GitHub Organisation	277
bidipresentation	Experimental bidi presentation	Khalighi, bidi-tex GitHub Organisation	278
bidishadowtext	Bidi-aware shadow text	Khalighi, bidi-tex GitHub Organisation	278
bidstobibtex	Convert BIDS returns to BibTeX	Stone	455
bigdelim	Big delimiters in tabular or array	van Oostrum	373
bigfoot	Footnotes for critical editions	Kastrup	275
bigintcalc	Integer calculations on very large numbers	Oberdiek	365
bigints	Writing big integrals	Merciadri	340
bigsign	Making "big signs" (mini-posters)	Lingnau	315
bigstrut	Struts for opening up tabular spacing	van Oostrum	373
bigtable	Multi-page tables in Plain T <sub>E</sub> X	Mathas, Howlett	334
bigtabular	Tabulars that can split at page boundaries	Duchier	196
biihead	Underlined page headings	Shapin	436
bilingualpages	Typeset two columns in parallel	Coles	181
binarytree	Drawing binary trees using TikZ	Nikolova	361
binhex	Convert numbers into binary, octal and hexadecimal	Kastrup	275
binomexp	Calculate Pascal's triangle	Roderick	409
biochemistry-co...	Colors used to display amino acids, nucleotides, sugars or atoms in biochemistry	Buxbaum	166
biocon	Typesetting biological species names	Edelman	199
biokey	Flexible identification key tables in L <sup>A</sup> T <sub>E</sub> X	Shipunov	440
biolett-bst	A BibTeX style for the journal "Biology Letters"	DeSouza	190
biolinum-type1	(pdf)L <sup>A</sup> T <sub>E</sub> X support for the Biolinum family of fonts	Tennent	474

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
biolist	List observed species	Shipunov	440
Birkhaeuser	Style for Birkhaeuser books, conference proceedings, etc	Balemi	137
bit2spr	Convert bitmaps to "sprites"	Rovner	415
bitelist	Split list, in T <sub>E</sub> X's mouth	Lück	322
bitfield	Draw bit field data structure diagrams (obsolete)	Thomas	486
bithesis	Templates for the Beijing Institute of Technology	Kaiyu	273
bitpattern	Typeset bit pattern diagrams	Bourguet	157
bits	Sub-document environments in L <sup>A</sup> T <sub>E</sub> X	Swift	461
bitset	Handle bit-vector datatype	Oberdiek	365
bitstrea	Support for use of Bitstream fonts	Unknown	496
bitter	The Bitter family of fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	474
bizcard	Typeset business cards	Kirsch	282
bjfuthesis	A thesis class for Beijing Forestry University	Liu	315
blackboard	Comparison of blackboard bold fonts	Kummer	301
blackletter	A blackletter font	Unknown	496
blacklettert1	T1-encoded versions of Haralambous old German fonts	Bronger	160
blanks	Macros for "fill in the blanks" forms	Varian	506
blindtext	Producing 'blind' text for testing	Lickert	313
blkarray	Extended array and tabular	Carlisle	168
blkcntrl	Block-element hooks in L <sup>A</sup> T <sub>E</sub> X	Swift	461
blochsphere	Draw pseudo-3D diagrams of Bloch spheres	Wardrop	524
block	A block letter style for the letter class	Huang	260
blockdraw_mp	Block diagrams and bond graphs, with MetaPost	Tidefelt	487
BLOpenType	A basic LuaTeX OpenType handler	Rivera	404
bloques	Generate control diagrams	Ruiz	418
blowup	Upscale or downscale all pages of a document	Niepraschk	360
blox	Draw block diagrams, using TikZ	Reish	401
blue	A document preparation system	van der Laan	303
bm	Access bold symbols in maths mode	Carlisle, Mittelbach, L <sup>A</sup> T <sub>E</sub> X Team	170
bm2font	Convert bitmaps to PK fonts	Sowa, Gillespie	448
bm2ltx	Convert a bitmap image to L <sup>A</sup> T <sub>E</sub> X code	Bontus	153
bmeps	Converter from PNG/JPEG/Tgb81AIFF/NetPBM to EPS	Krause	297
bmpp	Convert bitmap files to PS/EPS/PDF	Krause	297
bmppsize	Extract size and resolution data from bitmap files	Oberdiek	365
bmstu-iu8	A class for IU8 reports	Unknown	496
bmstu	A L <sup>A</sup> T <sub>E</sub> X class for Bauman Moscow State Technical University	Novikov	363
bnf-plain	Plain T <sub>E</sub> X macros for BNF grammars	Quanstrom	393
bnumexpr	Extends eTeX's \numexpr...\relax construct to big integers	Burnol	164
bodegraph	Draw Bode, Nyquist and Black plots with gnuplot and TikZ	Papanicola	380
bodeplot	Draw Bode, Nyquist and Nichols plots with gnuplot or pgfplots	Kamalapurkar	273
bohr	Simple atom representation according to the Bohr model	Niederberger	358
boisik	A font inspired by Baskerville design	Mitek	344
boites	Boxes that may break across pages	Zoonekynd, Malaquias	548
bold-extra	Use bold small caps and typewriter fonts	Fairbairns, Carlisle	205
boldline	Heavier lines in tables	Shipunov	440
boldtensors	Bold latin and greek characters through simple prefix characters	Fink, Bachteler	211
bondgraph	Create bond graph figures in L <sup>A</sup> T <sub>E</sub> X documents	Dupuis	198
bondgraphs	Draws bond graphs in L <sup>A</sup> T <sub>E</sub> X, using PGF/TikZ	Folkertsma	215
book-examples	A collection of examples from published T <sub>E</sub> X-related books	Unknown	496
book-of-common-...	Typeset in the style of "Book of Common Prayer"	Coles	181
book	A class for typesetting books	L <sup>A</sup> T <sub>E</sub> X Team	481
bookcover	A class for book covers and dust jackets	Tómacs	489
bookdb	A BibTeX style file for cataloguing a home library	Wilson	530
bookest	Extended book class	Bresciani	159

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
bookform	L <sup>A</sup> T <sub>E</sub> X 2.08 style for MIL STD 490 documents	McPherson	338
bookhands	A collection of book-hand fonts	Wilson	530
booklet	Aids for printing simple booklets	Robertson, Wilson	406
bookmark	A new bookmark (outline) organization for hyperref	Oberdiek	365
bookshelf	Create a nice image from a BibTeX file	Flynn	214
booktabs-de	German version of booktabs	Römer, Manderla	412
booktabs-fr	French translation of booktabs documentation	Drucbert, Goutelle	196
booktabs	Publication quality tables in L <sup>A</sup> T <sub>E</sub> X	Els, Fear	202
boolexpr	A boolean expression evaluator and a switch command	Chervet	176
boondox	Mathematical alphabets derived from the STIX fonts	Sharpe	437
bophook	Provides an At-Begin-Page hook	Tinnefeld	487
borceux	Diagram macros by François Borceux	Borceux	154
border	Draw a black border around a Plain T <sub>E</sub> X page	Brister	160
bosio	A collection of packages by Francesco Bosio	Bosio	155
boxedart4mac	Import graphics into Macintosh T <sub>E</sub> X	Siebenmann	441
boxedeps	Incorporate EPS files into T <sub>E</sub> X documents	Siebenmann	441
boxedminipage	Framed minipages of a specified total width (text and frame combined)	Pakin	376
boxhandler	Flexible Captioning and Deferred Box/List Printing	Segletes	434
boxit-ltx	An environment for boxing things	van der Goot	230
boxit	Draw a box around a text	Unknown	496
bpchem	Typeset chemical names, formulae, etc	Pedersen	382
bpolynomial	Drawing polynomial functions of up to order 3	Hennig	251
br-lex	A Class for Typesetting Brazilian legal texts	Cherem	175
bracketkey	Produce bracketed identification keys	Heibl	247
braids	Draw braid diagrams with PGF/TikZ	Stacey	451
braille	Support for braille	Park, Unruh	380
braket	Dirac bra-ket and set notations	Arseneau	132
brandeis-disser...	Class for Brandeis University dissertations	Burt, Peck	165
brandeis-proble...	Document class for COSI Problem sets at Brandeis University (Waltham, MA)	Turner	493
brandeis-thesis	A class for Brandeis University M.A. theses	Burt	165
brclc	Support 16-bit (double) calculations in L <sup>A</sup> T <sub>E</sub> X	Radgen	394
breakcites	Ensure that multiple citations may break at line end	Hosek, Broska, Hosek	259
breakurl	Line-breakable \url-like links in hyperref when compiling via dvips/ps2pdf	Neto	167
bredzenie	A Polish version of “lorem ipsum...” in the form of a L <sup>A</sup> T <sub>E</sub> X package	Woliński	534
breqn	Automatic line breaking of displayed equations	Downes, Høgholm, Madsen, Robertson, Wright	194
bridge-pln	Plain T <sub>E</sub> X macros for writing about bridge	van der Laan	303
bridge	Typesetting bridge diagrams	van der Laan	303
brief-t	L <sup>A</sup> T <sub>E</sub> X support for the brief editor	Hedne	246
bropd	Simplified brackets and differentials in L <sup>A</sup> T <sub>E</sub> X	Tatlock	471
brushscr	A handwriting script font	Loreti	321
bsf	Access bold computer modern sans in L <sup>A</sup> T <sub>E</sub> X 2.09	Leichter	310
bsheaders	Double-ruled chapter heading style	Loreti	321
bsl	Access bold computer modern slanted in L <sup>A</sup> T <sub>E</sub> X 2.09	Greenwade	234
BSR2dvi	Convert a T <sub>E</sub> Xtures working file to DVI	Siebenmann	441
htable	Bordered tables	van der Laan	303
bt00L	Perl library for parsing and processing BibTeX files	Ward	524
bubblesort	Bubble sorts a list	Taylor	472
BUCTthesis	Beijing University of Chemical Technology Thesis Template	Unknown	496
bullcntr	Display list item counter as regular pattern of bullets	Mezzetti	340
bundledoc	Bundle together all the files needed to build a L <sup>A</sup> T <sub>E</sub> X document	Pakin	376
burmese	Basic Support for Writing Burmese	Reese, Lepper	399
buscard	A document style for business cards	Roth	413

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
business-research	Markup for the journal Business Research	Löffler, Schanz	316
businesscard-qr...	Business cards with QR-Code	Wäckerlin	521
bussproofs-extra	Extra commands for bussproofs.sty	Zach	542
bussproofs	Proof trees in the style of the sequent calculus	Buss	166
BXbase	BX bundle base components	Yato	540
bxcalc	Extend the functionality of the calc package	Yato	540
bxCJKatype	Typeset Japanese with pdfL <sup>A</sup> T <sub>E</sub> X and CJK	Yato	540
bxdpX-beamer	Dvipdfmx extras for use with beamer	Yato	540
bxdrvdriver	Enables specifying a driver option effective only in DVI output	Yato	540
bxeepic	Eepic facilities using pict2e	Yato	540
bxenclose	Enclose the document body with some pieces of code	Yato	540
BXghost	Ghost insertion for proper xkanjiskip	Asakura	135
BXjaholiday	Support for Japanese holidays	Asakura	135
BXjalipsum	Dummy text in Japanese	Yato	540
BXjaprnind	Adjust the position of parentheses at paragraph head	Yato	540
bxjatoucs	Convert Japanese character code to Unicode	Yato	540
BXjscls	Japanese document class collection for all major engines	Yato	540
bxnewfont	Enhanced \newfont command	Yato	540
bxorigcapt	To retain the original caption names when using Babel	Yato	540
bxpapersize	Synchronize output paper size with layout paper size	Yato	540
bxpdfver	Specify version and compression level of output PDF files	Yato	540
bxtexlogo	Additional T <sub>E</sub> X-family logos	Yato	541
bxwareki	Convert dates from Gregorian to Japanese calender	Yato	541
byo-twemojis	“Build Your Own Twemojis” with TikZ	Rossel	413
byrne	This package provides a set of tools to typeset geometric proofs in the style of Oliver Byrne’s 1847 ed. of Euclid’s “Elements”	Slyusarev	445
bytefield	Create illustrations for network protocol specifications	Pakin	376
byzantinemusic	Facilitates writing byzantinemusic	Cornaros	183
byzfonts	Byzantine Music Font	Vamvakas, Kotopoulos	505
<b>CCCCC</b>			
c-pascal	Typeset Python, C and Pascal programs	Šegan, Gulczynski	434
c2cweb	C language prettyprinter	Lemberg	311
c2latex	Simple conversion of C programs to L <sup>A</sup> T <sub>E</sub> X	Ramsdell	397
cabin	A humanist Sans Serif font, with L <sup>A</sup> T <sub>E</sub> X support	Tennent	474
cachepic	Convert document fragments into graphics	Trzeciak	491
caesarcm	Hyphenation of inflected languages, using CM fonts	Siebenmann	441
cahyph	Hyphenation patterns for the Catalan language	Badenes Guia, Turon	237
caladea	Support for the Caladea family of fonts	Tennent	474
calc	Simple arithmetic in L <sup>A</sup> T <sub>E</sub> X commands	L <sup>A</sup> T <sub>E</sub> X Team, Thorup, Jensen	485
calcage	Calculate the age of something, in years	Schneider	428
calctab	Language for numeric tables	Giacomelli	223
calculation	Typesetting reasoned calculations, also called calculational proofs	Fokkinga	215
calculator	Use L <sup>A</sup> T <sub>E</sub> X as a scientific calculator	Fuster	219
calendar-Barr	A calendar document	Barr	139
calendar	A package for calendars and timetables	Bennett	147
calendarweek	Calculate the week number of a date	Hoekwater	254
calligra-type1	Type 1 version of Calligra	Vanroose, Hosny	506
calligra	Calligraphic font	Vanroose, Dachian	506
callouts	Put simple annotations and notes inside a picture	Stuetz	459
calorie	Calorie checking for dieters	Aonuma	131
calrsfs	Copperplate calligraphic letters in L <sup>A</sup> T <sub>E</sub> X	Zhytnikov	547
cals	Multipage tables with wide range of features	Parashchenko	380
calxxxx-yyyy	Print a calendar for a group of years	Münch	350
calxxxx	Prints a card-size calendar for any year	Jankovic	266
camel	Prototype work on future citation engine	Bennett	148

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
cancel	Place lines through maths formulae	Arseneau	132
canoniclayout	Create canonical page layouts with memoir	Beccari	143
cantarell	L <sup>A</sup> T <sub>E</sub> X support for the Cantarell font family	El Morabity	347
capbas	Capital baseball "matrix printer" font collection	Bloemen	152
capparmode	Dropped capitals for Plain T <sub>E</sub> X	Braunegg	159
capt-of	Captions on more than floats	Fairbairns, Carlisle	205
captcont	Retain float number across several floats	Cochran	180
captdef	Declare free-standing \caption commands	Fairbairns, Carlisle	205
caption	Customising captions in floating environments	Sommerfeldt	447
caption2	Superseded version of the caption package	Sommerfeldt	448
carbohydrates	Carbohydrate molecules with chemfig	Niederberger	358
card-set	Typeset text for cardfile cards	Potuček Jr.	272
card	Print visiting cards	Balemi	137
carlisle	David Carlisle's small packages	Carlisle	168
carlito	Support for Carlito sans-serif fonts	Tennent	474
carolmin-t1	Adobe Type 1 format of Carolingian Minuscule fonts	Jørgensen	270
carolmin	Carolingian Miniscule manuscript book-hand font	Wilson	530
cartonaugh	A LuaL <sup>A</sup> T <sub>E</sub> X package for drawing karnaugh maps with up to 6 variables	Bouajjaj	156
cascade	Constructions with braces to present mathematical demonstrations	Pontigny	379
CascadiaCode	The Cascadia Code font with support for L <sup>A</sup> T <sub>E</sub> X and pdfLaTeX	Ebinger	199
cascadilla	Typeset papers conforming to the stylesheet of the Cascadilla Proceedings Project	Bane	138
cascover	Make cassette covers	Raaijmakers	394
cases	Numbered cases environment	Arseneau	132
casiofont	Support for the Casio ClassWiz font	Munn	351
cassette-shipunov	Print labels for audio cassettes	Shipunov	440
cassette	Typeset cassette box inserts	Strip	459
cassette209	A L <sup>A</sup> T <sub>E</sub> X 209 document style for cassette inserts	Steuer	454
caslbl	Typeset cassette labels	Besson	150
casyl	Typeset Cree/Inuktitut in Canadian Aboriginal Syllabics	Derzhanski	190
catalan	Catalan hyphenation patterns	Wierda	528
catalanbib	Bibliographic styles for use in Catalan	Fuster	219
Catalogue	A catalogue of what's available on CTAN	Williams, The CTAN Team	529
catchfile	Catch an external file into a macro	Oberdiek	365
catchfilebetwee...	Catch text delimited by docstrip tags	Chervet	176
catcodes	Generic handling of T <sub>E</sub> X category codes	Lück	322
catdoc	Text extractor for word files	Wagner	521
catdvi	A DVI to plain text translator	Kaijanaho, Brill	273
catechis	Macros for typesetting catechisms	Goodman	228
catoptions	Preserving and recalling standard catcodes	Musa	353
causets	Draw causal set (Hasse) diagrams	Minz	343
cbcoptic	Coptic fonts and L <sup>A</sup> T <sub>E</sub> X macros for general usage and for philology	Beccari, Rosmorduc	144
cbe	Bibliography style for Council of Biology Editors format	Rogers	410
cbfonts-fd	L <sup>A</sup> T <sub>E</sub> X font description files for the CB Greek fonts	Beccari	143
cbgreek-complete	Complete set of Greek fonts	Beccari, Syropoulos	144
cc-pl	Polish extension of Computer Concrete fonts	Jackowski, Ryćko, Bzyl	265
ccaption	Continuation headings and legends for floats	Robertson, Wilson	406
ccfonts	Support for Concrete text and math fonts in L <sup>A</sup> T <sub>E</sub> X	Schmidt, Harcombe	425
cchess	Chinese chess	Richer, Mittelbach	402
ccicons	L <sup>A</sup> T <sub>E</sub> X support for Creative Commons icons	Ummels	494
CClicenses	Typeset Creative Commons licence logos	Pignalberi	387
ccool	A key-value document command parser	Rogard	410
cd	Typeset CD covers	Vigna, Lemberg	513
cdcmd	Expandable conditional commands for L <sup>A</sup> T <sub>E</sub> X	Unknown	496
cdcover	Typeset CD covers	Holm Christensen	178



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
cdlabeler	Take user text and typeset it to fit a CD label	Eijkhout	200
C.D.P. Bundle	Business letters in the Italian style	Mezzetti	340
cea	Produce papers for Computers and Electronics in Agriculture	McCauley	336
cell	Bibliography style for Cell	Schneider	429
cellprops	Accept CSS-like selectors in tabular, array, ...	Rivaud	403
cellspace	Ensure minimal spacing of table cells	Noirel	362
cellular	Cellular table construction	Pittman	389
cellwise	Building tables one cell at a time	Borck-Elsner	154
celtic	A TikZ library for drawing celtic knots	Stacey	451
censor	Tools for producing redacted documents	Segletes	434
centeredline	A macro for centering lines	Burnol	164
centerlastline	Paragraphs with last line centered, known as “Spanish” paragraphs	Frasson	217
centernot	Centred \not command	Oberdiek	365
cep	Compression tools for PostScript	Jackowski, Pianowski, Strzelczyk	265
cesenaexam	A class file to typeset exams	Pacini	375
cfguide	Documentation of L <sup>A</sup> T <sub>E</sub> X configuration options	L <sup>A</sup> T <sub>E</sub> X Team	481
cfr-initials	L <sup>A</sup> T <sub>E</sub> X packages for use of initials	Rees	399
cfr-lm	Enhanced support for the Latin Modern fonts	Rees	399
changebar	Generate changebars in L <sup>A</sup> T <sub>E</sub> X documents	Braams, Fine	157
changelayout	Change the layout of individual pages and their text	Musa	353
changelog	Typesetting keepachangelog.com style changelogs	Turner	493
changepage	Margin adjustment and detection of odd/even pages	Robertson, Wilson	406
changes	Manual change markup	Kleinod	285
chappg	Page numbering by chapter	Fairbairns, Hailperin, Carlisle	206
chapref	Bibliography details per chapter	Knaggs	287
chapterbib	Multiple bibliographies in a document	Arseneau	132
chapterfolder	Package for working with complicated folder structures	Mathieu	334
CharisSIL	CharisSIL fonts with support for all L <sup>A</sup> T <sub>E</sub> X engines	Tennent	474
charter	Charter fonts	Bitstream	151
chbar	Change bar marks in Plain T <sub>E</sub> X	Schrod	429
chbibref	Change the Bibliography/References title	Wilson	530
cheatsheet	A simple cheatsheet class	Hinrichs	254
check-parens	Check parentheses in L <sup>A</sup> T <sub>E</sub> X	Eldering	201
check	A syntax checker and tidier	Grothmann	237
checkcites	Check citation commands in a document	Cereda, Island of TeX, Gregorio	173
checkend	Extend “improperly closed environment” messages	Bezos López	317
checklab	A patch for the label-checking code	Fairbairns, Carlisle	205
checklistings	Pass verbatim contents through a compiler and reincorporate the resulting output	Bourke	157
chem-journal	Various BibTeX formats for journals in Chemistry	Hill	253
chemarr	Arrows for chemists	Oberdiek	365
chemarrow	Arrows for use in chemistry	Schroeder	431
chembst	A collection of BibTeX files for chemistry journals	Schenk	424
chemcompounds	Simple consecutive numbering of chemical compounds	Schenk	424
chemcono	Support for compound numbers in chemistry documents	Schulz	432
chemexec	Creating (chemical) exercise sheets	Niederberger	358
chemfig	Draw molecules with easy syntax	Tellechea	473
chemformula	Command for typesetting chemical formulas and reactions	Niederberger	358
chemgreek	Upright Greek letters in chemistry	Niederberger	358
chemmacros	A collection of macros to support typesetting chemistry documents	Niederberger	358
chemnum	A method for numbering chemical compounds	Niederberger	359



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
chemobabel	Convert chemical structures from ChemDraw, MDL molfile or SMILES using Open Babel	Yamashita	538
chemplants	Symbology to draw chemical plants with TikZ	Arnese Feffin	208
chemscheme	Support for chemical schemes	Wright	535
chemschemeX	Typeset and cross-reference chemical schemes based on TikZ code	Siegel	442
chemsec	Automated creation of numeric entity labels	Finnerty	211
chemstruct	Structural organic chemistry	Ramek	397
chemstyle	Writing chemistry with style	Wright	535
chemsym	Macros for typing chemical symbols	Dahlgren	185
chemtex	Structural chemistry	Haas	239
chex	Adobe chess font	Renner	402
cherokee	A font for the Cherokee script	Stanier	452
chess-problem-d...	A package for typesetting chess problem diagrams	Hoening	255
chess	Fonts for typesetting chess boards	Tutelaers	493
chessboard	Print chess boards	Fischer	212
chessfss	A package to handle chess fonts	Fischer	212
chessmin	Minimal chess diagrams	Blair	151
chet	L <sup>A</sup> T <sub>E</sub> X layout inspired by harvmac	Stergiou	454
chextras	A companion package for the Swiss typesetter	Oriet	374
chgbar	Draw change bars in the margin	Johnson	269
chhaya	Linguistic glossing in Marathi language	Unknown	496
chicago-annotate	Chicago-based annotated BibTeX style	Laakso	302
chicago	A "Chicago" bibliography style	Glenn	226
chicagoa	"Chicago" bibliography style with annotations	Glenn	226
chickenize	Use lua callbacks for "interesting" textual effects	Trautmann	490
chifoot	Chicago-style footnote formatting	Miller	342
childdoc	Directly compile \include'd child documents	Beisert	146
china2e	Font and macros for Chinese calendar	Heyl	252
ChineseJFM	Luatexja-jfm files for Chinese typesetting	Unknown	496
chinesechess	Typeset Chinese chess with l3draw	Geng	222
chitex	A Chinese T <sub>E</sub> X system	Chen	175
Chivo	Using the free Chivo fonts with L <sup>A</sup> T <sub>E</sub> X	Esbati	204
chkfloat	Warn whenever a float is placed "to far away"	Hejda	248
chkhref	Check for problems with labels in L <sup>A</sup> T <sub>E</sub> X	Lelong	311
chktex	Check for errors in L <sup>A</sup> T <sub>E</sub> X documents	Thielemann, Andrus	486
chletter	Class for typesetting letters to Swiss rules	Oriet	374
chngcntr	Change the resetting of counters	Robertson, Wilson	406
chngpage	Change the page layout in the middle of a document	Robertson, Wilson	406
chomsky	Macros to typeset parsing trees	Barr	139
chordbars	Print chord grids for pop/jazz tunes	Kramm	297
chordbox	Draw chord diagrams	Franzen	217
chroma	Chroma: a reference book of L <sup>A</sup> T <sub>E</sub> X colours	Kern	277
chronology	Provides a horizontal timeline	Wiseman	533
chronosys	Drawing time-line diagrams	Long	316
chs-physics-report	Physics lab reports for Carmel High School	Zhang	545
chscite	Bibliography style for Chalmers University of Technology	Sigurdhsson	443
churchslavonic	Typeset documents in Church Slavonic language using Unicode	Kroutikov	298
cinzel	L <sup>A</sup> T <sub>E</sub> X support for Cinzel and Cinzel Decorative fonts	Tennent	474
circ	Macros for typesetting circuit diagrams	Law, Tille, Tannert	307
circle	Maths mode circles for temporal logic	Barthelmann	140
circledsteps	Typeset circled numbers	Giannetti	223
circledtext	Create circled text	Geng	222
circuit-macros	M4 macros for electric circuit diagrams	Aplevich	131
CircuiTikZ	Draw electrical networks with TikZ	Redaelli, Lindner, Erhardt, Giannetti	399

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
cirth	Fonts for Cirth	Habets, Grant	239
citation-style-...	Bibliography formatting with Citation Style Language	Lee	309
cite-bundle	Citation management bundle	Arseneau	132
cite	Improved citation handling in L <sup>A</sup> T <sub>E</sub> X	Arseneau	132
citeall	Cite all entries of a bbl created with BibLaTeX	Fischer	212
citeref	Add reference-page-list to bibliography-items	Briel	159
citesidx	Produce a citation list for the bibliography	Buchholz	161
CJ	BibTeX style for Computer Journal	Gärtner	221
cje	L <sup>A</sup> T <sub>E</sub> X document class for CJE articles	Nesbitt	356
CJHebrew	Typeset Hebrew with L <sup>A</sup> T <sub>E</sub> X	Justen	272
cjk-fonts	Chinese/Japanese/Korean bitmap fonts	Lemberg	311
cjk-gs-integrate	Tools to integrate CJK fonts into Ghostscript	Preining	391
cjk-ko	Extension of the CJK package for Korean typesetting	Kim	281
cjk	CJK language support	Lemberg	311
cjkpunct	Adjust locations and kerning of CJK punctuation marks	Zhang, Sun, Lee	545
cjw	A bundle of packages and classes	Wynne	537
clara	A serif font family	Miller	342
classes	The source of L <sup>A</sup> T <sub>E</sub> X's standard classes	L <sup>A</sup> T <sub>E</sub> X Team	482
classico	URW Classico fonts	Tennent	474
classics	Cite classic works	Lourenço de Lima	314
ClassicThesis	A “classically styled” thesis package	Miede	341
classif2	Biological classification tables	Shipunov	440
classlist	Record classes used in a document	Oberdiek	365
classpack	XML mastering for L <sup>A</sup> T <sub>E</sub> X classes and packages	Flynn	214
cleanthesis	A clean L <sup>A</sup> T <sub>E</sub> X style for thesis documents	Langner	306
clearsans	Clear Sans fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	474
clefval	Key/value support with a hash	Henel	250
cleveref	Intelligent cross-referencing	Cubitt	184
clicks	Slide Deck Animation	Bugayenko	162
clip	A language-independent literate programming tool	Van Ammers, Kramer	130
clipboard	Copy and paste into and across documents	Lourenço de Lima	314
clistmap	Map and iterate over L <sup>A</sup> T <sub>E</sub> X3 clists	Rogard	410
clock	Graphical and textual clocks for T <sub>E</sub> X and L <sup>A</sup> T <sub>E</sub> X	Corff	182
clojure-pamphlet	A simple literate programming tool based on clojure's pamphlet system	Lanchares	305
closefrm	Tidy up after reading a MetaPost file	Vieth	512
cloze	A LuaL <sup>A</sup> T <sub>E</sub> X package for creating cloze texts	Friedrich	218
clrdblpg	Control pagestyle of pages left blank by \cleardoublepage	Goodman	228
clrscode	Typesets pseudocode as in Introduction to Algorithms	Cormen	183
clrscode3e	Typesets pseudocode as in Introduction to Algorithms	Cormen	183
clrstrip	Place contents into a full width colour strip	Spratte	450
clsguide	Documentation of L <sup>A</sup> T <sub>E</sub> X class and package writing	L <sup>A</sup> T <sub>E</sub> X Team	482
cluttex	An automation tool for running L <sup>A</sup> T <sub>E</sub> X	Arata	131
cm-afm	Adobe Font Metrics for the CM fonts	MacKay	328
cm-gf	Generate GF format for CM	Ramsdell	397
cm-lgc	Type 1 CM-based fonts for Latin, Greek and Cyrillic	Kryukov	299
cm-mf-extra-bold	Extra Metafont files for CM	Kaspar, Sozuer	275
cm-mf-opt-kern	Improve the kerning of CM fonts	Pilzecker	388
cm-mf	Sources of the Computer Modern fonts	Knuth	288
cm-pk	PK bitmaps of the Computer Modern fonts	Knuth	289
cm-super	CM-Super family of fonts	Volovich	515
cm-tfm	Metric files for the Computer Modern fonts	Knuth	289
cm-unicode	Computer Modern Unicode font family	Panov, Lečić	379
cm	Computer Modern fonts	Knuth	288
cmactex	TeX for the Macintosh	Kiffe	280

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
cmmap	Make PDF files searchable and copyable	Volovich, Krüger	515
cmarrows	MetaPost arrows and braces in the Computer Modern style	Ekola	201
cmastro	Font for planetary symbols	Unknown	497
cmathbb	Computer modern mathematical blackboard bold font	Chao	173
cmbright	Computer Modern Bright fonts	Schmidt, Harcombe	425
cmcyr-patch	A set of Type 1 Cyrillic fonts	Peregoudov	384
cmcyr	Computer Modern fonts with cyrillic extensions	Glonti, Samarin, Malyshev	226
cmcyralt-fonts	Russian fonts in "alternative" encoding	Harin	245
cmcyralt-ltx	L <sup>A</sup> T <sub>E</sub> X support for the cmcyralt fonts	Harin, Zhytnikov	245
cmdstring	Get command name reliably	Noirel	362
cmdtrack	Check used commands	Downes	194
cmextra-latex	Install macros for "standard" fonts not used by L <sup>A</sup> T <sub>E</sub> X itself	L <sup>A</sup> T <sub>E</sub> X Team	482
cmfrak	Reencoded versions of Haralambous fraktur fonts	Taupin	471
cmll	Symbols for linear logic	Beffara	146
cmoeofont	Old English glyphs to go with Computer Modern	Bradfield	158
cmolddig	Virtual fount setup for using old style digits	McDonnell	337
cmoutlines	Outline versions of the Computer Modern fonts	Henderson, Hosek	249
cmpica	A Computer Modern Pica variant	Hosek	258
cmpj	Style for the journal Condensed Matter Physics	Shvaika	441
cms4talks	Content Management System for Talks	Nebendahl	355
cmsd	Interfaces to the CM Sans Serif Bold fonts	Schmidt, Harcombe	425
cmslup	Upright punctuation with CM slanted	Znamenskii, Veytsman	547
cmsrb	Computer Modern for Serbian and Macedonian	Stefanović	453
cmtest	CM fonts test sources	Knuth	289
cmtiup	Upright punctuation with CM italic	Znamenskii, Veytsman	547
cmtt	A package for handling the cmtt font better	Wooding	534
CM Type3	Type 3 outline versions of the CM fonts	Toal	488
cmupint	Upright integral symbols for Computer Modern	Stefanović	453
cmvk-hax	A T <sub>E</sub> X macro package for colour manipulation (using PostScript)	BOP	153
cnbwp	Typeset working papers of the Czech National Bank	Wagner	522
cnltx	L <sup>A</sup> T <sub>E</sub> X tools and documenting facilities	Niederberger	359
cnoweb	Simple "quality" printing of C sources	Fox	216
cntdwn	Support for countdowns, and for clocks in any timezone	Story	456
cntformats	A different way to read counters	Niederberger	359
cntperchap	Store counter values per chapter	Hupfer	261
cochineal	Cochineal fonts with L <sup>A</sup> T <sub>E</sub> X support	Sharpe	437
code	Typeset "code" in verbatim	Ferguson	209
code128	Barcode macros for the Code 128 standard	Olšák	372
codeanatomy	Typeset code with annotations	Bùi	163
codebox	Highlighted source code in a fancy box	Geng	222
codedoc	L <sup>A</sup> T <sub>E</sub> X code and documentation in L <sup>A</sup> T <sub>E</sub> X-format file	Isambert, Robbers	263
codehigh	Highlight code and demos with l3regex and lpeg	Lyu	327
codepage	Support for variant code pages	Aubord	136
codesection	Provides an environment that may be conditionally included	Pospiech	390
codicefiscaleit...	Test the consistency of the Italian personal Fiscal Code	Beccari	143
coelacanth	Coelacanth fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	474
coffeestains	Add coffee stains to documents	Bideault	150
collcell	Collect contents of a tabular cell as argument to a macro	Scharrer	422
collect	Collect text for later re-use	Sauer	420
collectbox	Collect and process macro arguments as boxes	Scharrer	422
collref	Collect blocks of references into a single reference	Beisert	146
colonequals	Colon equals symbols	Oberdiek	365
colophon	Provides commands for producing a colophon	Goodman	228
color-edits	Colorful edits for multiple authors of a shared document	Kempe	276
color	Colour control for L <sup>A</sup> T <sub>E</sub> X documents	Carlisle, L <sup>A</sup> T <sub>E</sub> X Team	170

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
colordoc	Coloured syntax highlights in documentation	Garcia-De Castro	172
colordvi	Simple colour use in Plain TeX	Hafner, Rokicki	239
coloremoji	Style package for directly including color emojis in L <sup>A</sup> T <sub>E</sub> X documents	Jacobson	266
colorframed	Fix color problems with the package “framed”	Burnol	164
colorinfo	Retrieve colour model and values for defined colours	Niepraschk	360
coloring	Define missing colors by their names	Hu	260
colorist	Write your articles or books in a colorful way	XU	537
colorprofiles	Collection of free ICC profiles	Preining	391
colors	Simple colour-selection commands	Knight	288
colorsep	Color separation	Rahtz	395
colospace	Provides PDF color spaces	Bezos López	317
colortab	Shade cells of tables and halign	Van Zandt, Voß	544
colortbl	Add colour to L <sup>A</sup> T <sub>E</sub> X tables	Carlisle	168
colortex	Colour facilities for use with TeX	Cérin	173
colorwav	Colours by wavelength of visible light	Setzer	436
colorweb	Extend the color package colour space	Beach	142
colourchange	Colourchange	Bradley	158
combelow	Typeset “comma-below” letters, as in Romanian	Pignalberi	388
combine	Bundle individual documents into a single document	Robertson, Wilson	407
combinedgraphics	Include graphic (EPS or PDF)/L <sup>A</sup> T <sub>E</sub> X combinations	Schneider	428
combofont	Add NFSS-declarations of combo fonts to LuaL <sup>A</sup> T <sub>E</sub> X documents	Fischer	212
comfortaa	Sans serif font, with L <sup>A</sup> T <sub>E</sub> X support	El Morabity, Aakerlund	347
comicneue	Use Comic Neue with TeX(-alike) systems	Hofstra	255
comicsans	Use Microsoft Comic Sans font	Pakin	376
comma	Formats a number by inserting commas	Carlisle	168
commado	Expandable iteration on comma-separated and filename lists	Lück	322
commath	Mathematics typesetting support	Putschögl	393
comedit	Commented editions with L <sup>A</sup> T <sub>E</sub> X	Veytsman	509
comment-pln	Comment macros for use in Plain TeX	Alexander	128
comment	Selectively include/exclude portions of text	Eijkhout	200
comment_io	A Python script to comment and uncomment lines	Larsson	306
committee-font	A font designed by a committee	Unknown	497
commonunicode	Convert common unicode symbols to L <sup>A</sup> T <sub>E</sub> X code	Pizarro R.	394
commutative-dia...	CoDi: Commutative Diagrams for TeX	Brasolin	158
comp-fonts-FAQ	Frequently Asked Questions from comp.fonts	Walsh	523
compact-symbols	Compact lists of symbols	Sermutlu	436
compactbib	Multiple thebibliography environments	Lejay	311
compare	Compare two strings	McManus	338
competences	Track skills of classroom checks	Bares	138
complexity	Computational complexity class names	Bourke	157
components	Components of TeX	Schrod	430
The Comprehen...	Symbols accessible from L <sup>A</sup> T <sub>E</sub> X	Pakin	378
compsci	Document (LaTeX) programming with L <sup>A</sup> T <sub>E</sub> X	Swift	461
computational-c...	Class for the journal Computational Complexity	Nüsken	364
computer-type...	Content of the book Computer Typesetting Using L <sup>A</sup> T <sub>E</sub> X	Baldin	137
concepts	Keeping track of formal ‘concepts’ for a particular field	Helvensteijn	249
concmath-fonts	Concrete mathematics fonts	Vieth	512
concmath-otf	Concrete based OpenType Math font	Flipo	213
concmath	Concrete Math fonts	Vieth	512
concprog	Concert programmes	Brodnik	160
concrete-macros	Consistent text and maths using concrete fonts	Hefferon	247
concrete	Concrete Roman fonts	Knuth	289
CondiTeXt	Define and manage conditional content	Brabant	158
confproc	A set of tools for generating conference proceedings	Verfaille	508
consdiag	A utility for OO programming documentation	Algaba	129

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
constants	Automatic numbering of constants	Lejay	311
coneq	Typeset multiline continued equalities	Breitner	159
context-account	A simple accounting package	Schuster	432
context-algorit...	Algorithm handling in ConTeXt	Schuster	432
context-animation	Generate fieldstack based animation with ConTeXt	Schuster	432
context-annotation	Annotate text blocks	Schuster	432
context-bnf	A BNF module for ConTeXt	Weibull	526
context-calenda...	Collection of calendars based on the PocketDiary-module	Egger	200
context-chromato	ConTeXt macros for chromatograms	Münster	352
context-cmscbf	Use Computer Modern bold Caps and Small-caps in ConTeXt	Münster	352
ConTeXt-cmttbf	Use Computer Modern Typewriter bold font in ConTeXt	Münster	352
context-collati...	Environment to place collating marks on the spine of a section	Egger	200
context-constru...	Construction plans in ConTeXt	Münster	352
context-cyrilli...	Write numbers as cyrillic glyphs	Gesang	223
context-degrade	Degrading JPEG images in ConTeXt	Münster	352
context-fancybreak	Overfull pages with ConTeXt	Schuster	432
context-filter	Run external programs on the contents of a start-stop environment	Mahajan	330
context-fixme	Make editorial marks on a document	Schuster	432
context-french	Support for writing French in ConTeXt	Münster	352
context-fullpage	Overfull pages with ConTeXt	Schuster	432
context-gantt	GANTT module for ConTeXt	Reviczky, Mahajan	402
ConTeXt-gnuplot	Inclusion of Gnuplot graphs in ConTeXt	Miklavec, Hagen, Hoekwater	341
context-handlecsv	Data merging for automatic document creation	Hajtmar, Rodríguez	241
context-inifile	An ini-file pretty-printer, using ConTeXt	Münster	352
context-interva...	Date driven lists or lists driven by date-intervals	Egger	200
context-layout	Show ConTeXt layouts	Gundlach	238
context-letter	ConTeXt package for writing letters	Schuster	432
context-lettrine	A ConTeXt implementation of lettrines	Hoekwater, Flipo	254
context-lilypond	Lilypond code in ConTeXt	Creutzig	184
context-mathsets	Set notation in ConTeXt	Mahajan	330
context-notes-z...	Notes on using ConTeXt MkIV	Li	313
context-pocketd...	A personal organiser	Egger	200
context-rst	Process reStructuredText with ConTeXt	Gesang	223
context-ruby	Ruby annotations in ConTeXt	Schuster	432
context-sgf	A Go system in ConTeXt	Chen, Schuster	175
context-simplef...	Simplified font usage for ConTeXt	Schuster	432
context-simples...	A module for preparing presentations	Mahajan, Schmitz	330
context-taspresent	Simple presentations using ConTeXt	Schmitz	428
context-title	Place document titles	Schuster	432
context-top-ten	The "top ten" ConTeXt commands	Corsair	183
context-transli...	Transliterate text from 'other' alphabets	Gesang	223
context-typearea	Something like Koma-Script typearea	Münster	352
context-typescr...	Small modules to load various fonts for use in ConTeXt	Schuster	433
context-URWGara...	ConTeXt support for URW Garamond font	Münster	352
context-URWGothic	ConTeXt support for URW Gothic	Hoekwater	254
context-vim	Generate ConTeXt syntax highlighting code from vim	Mahajan, Miklavec	330
context-visualc...	Visual display of ConTeXt counters	Mahajan	330
context	The ConTeXt macro package	Hagen	240
continue	Prints 'continuation' marks on pages of multipage documents	Wilson, Robertson	533
contour	Print a coloured contour around text	Harders, Høgholm	245
contracard	Generate calling cards for dances	Whited	528
conv-xkv	Create new key-value syntax	Story	456
convbkmk	Correct latex/uplatex bookmarks in PDF created with hyperref	Tanaka	471
convert	Generate Knuthian encoding for text files	Raichle	396



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
cooking-units	Typeset and convert units for cookery books and recipes	Vitecek	513
cooking	Typeset recipes	Reichert	400
cookingsymbols	Symbols for recipes	Harder	243
cookybooky	A L <sup>A</sup> T <sub>E</sub> X based package to easily typeset some professional looking cooking recipes	Gilg	225
cool	C <sup>O</sup> ntent-Oriented L <sup>A</sup> T <sub>E</sub> X	Setzer	436
coolfn	Typeset long legal footnotes	Granet	232
coollist	Manipulate C <sup>O</sup> ntent Oriented L <sup>A</sup> T <sub>E</sub> X Lists	Setzer	436
coolstr	String manipulation in L <sup>A</sup> T <sub>E</sub> X	Setzer	436
coolthms	Reference items in a theorem environment	Fütterer, Zachhuber	220
cooltooltips	Associate a pop-up window and tooltip with PDF hyperlinks	Pakin	376
coop-writing	Support for Cooperative Writing and editorial comments	Xexéo	537
cooperhewitt	LaTeX, pdfLaTeX, XeL <sup>A</sup> T <sub>E</sub> X and LuaL <sup>A</sup> T <sub>E</sub> X support for the Cooper Hewitt family of sans serif fonts	Tennent	475
coordsys	Draw cartesian coordinate systems	Hansen	242
copac-clean	Automatic editing of Copac/BibTeX records	Milanese	342
coptic	Coptic Fonts	Rosmorduc	413
copyedit	Copyediting support for L <sup>A</sup> T <sub>E</sub> X documents	Radhakrishnan, Rajagopal, Venkatesan	395
copypaste	Copy and paste into and across documents	Lourenço de Lima	314
copyrightbox	Provide copyright notices for images in a document	van der Flaas	213
corelfonts	An installation script for Corel Ventura fonts	McClelland	336
corelpak-contrib	Manage Corel-distributed fonts	Tinnefeld	488
corelpak	Metrics, etc., for fonts distributed with Corel products	Woch	533
CormorantGaramond	Cormorant Garamond family of fonts	Tennent	475
correctmathalign	Correct spacing of the alignment in expressions	Kieda	279
corrects	Macros for marking correction sheets	Piff, Fairbairns, Carlisle	387
corridx-latex	Correct index entries for chemical compounds	Fink	211
corridx-obsolete	Add index entries to L <sup>A</sup> T <sub>E</sub> X document	Fink	211
coseoul	Context sensitive outline elements	Teubner	478
countito	Make use of count1 to count9	Schröder, Peischl	430
countriofeurope	A font with the images of the countries of Europe	Zimmermann, Voß, Niepraschk	547
counttexruns	Count compilations of a document	Schneider	428
courier scaled	Provides a scaled Courier font	Schulz	431
Courier	Adobe Type 1 “free” copies of Courier	IBM Corporation	262
couriertn	Courier 10 Pitch BT with L <sup>A</sup> T <sub>E</sub> X support	Miller	343
courseoutline	Prepare university course outlines	Gall	220
coursepaper	Prepare university course papers	Gall	220
coverpage	Automatic cover page creation for scientific papers	Kopp, Mühlich	296
covfonts	Make Apostrophic Laboratories’s Covington fonts available to T <sub>E</sub> X and L <sup>A</sup> T <sub>E</sub> X	Pakin	376
covington	L <sup>A</sup> T <sub>E</sub> X macros for Linguistics	Spitzmüller, Covington, Fairbairns	449
cprog	Typeset C programs	McManus	338
cprotect	Allow verbatim, etc., in macro arguments	Le Floch	214
cprotectinside	Use cprotect arbitrarily nested	user202729	504
cpssp	Draw protein secondary structures	Skala	444
cptex	Use different code pages for T <sub>E</sub> X input	Krämer	297
CQUBeamer	L <sup>A</sup> T <sub>E</sub> X Beamer Template for Chongqing University	Wan	523
CQUThesis	L <sup>A</sup> T <sub>E</sub> X Thesis Template for Chongqing University	Zhennan	546
crbox	Boxes with crossed corners	Khalighi, bidi-tex GitHub Organisation	278
create-struktex	Create struktex code	Lenser	312
create-theorem	Multilingual support for theorem-like environments	XU	537



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
crefthe	Cross referencing with proper definite articles	XU	537
crimson	Crimson fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	475
CrimsonPro	CrimsonPro fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	475
croatian	Fonts for Croatian Glagolitic and other Croatian scripts	Žubrinčić	548
crop	Support for cropmarks	Franz, Thomas	217
cropmark-pu	Cropmark macros for Plain T <sub>E</sub> X	Ungar	495
cropmark	Crop marks on \shipout	Eijkhout	200
cropmarks-pt	Philip Taylor's cropmarks macros	Taylor	472
cropmrks	Add crop marks to a Plain T <sub>E</sub> X document	Taylor	472
crossrefenum	Smart typesetting of enumerated cross-references for various T <sub>E</sub> X formats	Dumont	197
crossreference	Crossreferences within documents	Filby	210
crossreftools	Expandable extraction of cleveref data	Hupfer	261
crossrefware	Scripts for working with crossref.org	Veytsman	509
crosstex	Bibliography management tool	Burgess, Sirer	164
crossword	Typeset crossword puzzles	Neugebauer	356
crosswrđ	Macros for typesetting crossword puzzles	Hamilton Kelly, Mittelbach	276
crudetyp	Line printer output from DVI files	Damerell	187
crumbs	Add a Navigation Path to the page header	Bugayenko	162
crw	Crossword macros for Plain T <sub>E</sub> X	van der Laan	303
cryptocode	Typesetting pseudocode, protocols, game-based proofs and black-box reductions in cryptography	Mittelbach	344
cryst	Font for graphical symbols used in crystallography	Müller	350
csassignments	A wrapper for article with macros and customizations for computer science assignments	Bartolomey	140
csbulletin	L <sup>A</sup> T <sub>E</sub> X class for articles submitted to the CSTUG Bulletin (Zpravodaj)	Novotný, Wagner	363
csfonts-t1	Czech/Slovak tuned CM fonts in Type 1 format	Olšák	372
csfonts	Czech/Slovak-tuned Computer Modern fonts	Novak, Horák, Lhotka, Olšák	363
csindex	Czech/Slovak version of MakeIndex	Plášil, Salvét, Wagner	389
cslatex	L <sup>A</sup> T <sub>E</sub> X support for Czech/Slovak typesetting	Zlatuška, Wagner, Snajdr	547
csname-doc	A list of plain.tex cs names	Unknown	497
csplain	Plain T <sub>E</sub> X multilanguage support	Olšák	373
cspsfonts	Czech/Slovakian PostScript font support	Olšák, Wagner	373
csquotes-de	German translation of csquotes documentation	Conrad, Faßbender, Römer	182
csquotes	Context sensitive quotation facilities	Lehman, Wright	310
css-colors	Named colors for web-safe design	Buxbaum	166
CSTeX	Support for Czech/Slovak languages	Olšák	373
cstypo	Czech typography rules enforced through LuaT <sub>E</sub> X hooks	Haisman	240
csv2latex	Convert spreadsheet table cells into L <sup>A</sup> T <sub>E</sub> X source	Munn, Counsell	352
csvmerge	Merge T <sub>E</sub> X code with csv data	Taylor	472
csvsimple	Simple CSV file processing	Sturm	460
csvtolatex	Link spread sheets to L <sup>A</sup> T <sub>E</sub> X	Pietsch	387
csvtools	Reading data from CSV files	Talbot	465
csx	Computer Sanskrit/(Extended) coding support on MS-DOS	Wujastyk, Friedlander	536
ctable	Flexible typesetting of table and figure floats using key/value directives	Dekker	188
ctablestack	Catcode table stable support	L <sup>A</sup> T <sub>E</sub> X Team	482
ctan-bibdata	Bibliography data for all CTAN packages	Voß	515
ctan-o-mat	Upload or validate a package for CTAN	Neugebauer	356
ctan_chk	CTAN guidelines verifier and corrector for uploading projects	Bone	153
ctanbib	Export CTAN entries to bib format	Hoftich	256
ctanify	Prepare a package for upload to CTAN	Pakin	376
CTAN tools	A jiffy to search CTAN file list	Huynh	261
ctanupload	Support for users uploading to CTAN	Scharrer	422

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
ctex-faq	L <sup>A</sup> T <sub>E</sub> X FAQ by the Chinese T <sub>E</sub> X Society (ctex.org)	Wu	536
ctex	L <sup>A</sup> T <sub>E</sub> X classes and packages for Chinese typesetting	Lee, Liu, Huang, Zeng, Lee, Chou, Zhang, Wu, Jiang, Wang, Li, Chen	308
ctib4tex	Tibetan for T <sub>E</sub> X and L <sup>A</sup> T <sub>E</sub> X2e	Corff	182
ctie	C version of tie (merging Web change files)	Gilbey	224
cuisine	Typeset recipes	Cohen	180
cun	A cuneiform font	Grant	232
cuprum	Cuprum font family support for L <sup>A</sup> T <sub>E</sub> X	Roncaglia	412
currency	Format currencies in a consistent way	Lejay	311
currfile	Provide file name and path of input files	Scharrer	422
currvita	Typeset a curriculum vitae	Reichert	400
cursorlatex	A L <sup>A</sup> T <sub>E</sub> X tutorial	Campani	167
cursor	Draw a cursor in an equation	Spit	449
CurVe	A class for making curriculum vitae	Verna	508
curve2e	Extensions for package pict2e	Beccari	143
curves	Curves for L <sup>A</sup> T <sub>E</sub> X picture environment	Maclaine-Cross	328
custom-bib	Customised BibT <sub>E</sub> X styles	Daly	186
customdice	Simple commands for drawing customisable dice	Rowlett	416
cuted	Mixing onecolumn and twocolumn modes	Tolušis	489
cutwin	Cut a window in a paragraph, typeset material in it	Wilson, Hoenig, Carlisle	532
cv	A package for creating a curriculum vitae	Maier	330
cv4tw	L <sup>A</sup> T <sub>E</sub> X CV class, with extended details	Gouez	230
cvss	Compute and display CVSS base scores	Vivegnis	514
CVsty	Yet another style for easy CV pagination	Pereira	384
cweb-latex	A L <sup>A</sup> T <sub>E</sub> X version of CWEB	Schrod	430
cweb	A Web system in C	Knuth, Scherer, Levy	291
cwebbin	CWEB for ANSI-C/C++ compilers	Scherer	424
cweb-hy	Insert hyperlinks for included files	Melendez	339
cwebx	A system for Structured Software Documentation in C	van Leeuwen	309
cyber	Annotate compliance with cybersecurity requirements	Jennings	268
cybercic	“Controls in Contents” for the cyber package	Jennings	268
cyklop	The Cyclop typeface	Nowacki	363
cyriot	A script which was used on Cyprus for writing Greek	Wilson	530
cyriote	A font for ancient Cypriot Greek inscriptions	Stanier	452
cyrguide	Documentation of L <sup>A</sup> T <sub>E</sub> X Cyrillic-alphabet features	Volovich, Lemberg, L <sup>A</sup> T <sub>E</sub> X Team	515
cyrillic209	Provides basic L <sup>A</sup> T <sub>E</sub> X 2.09 font access to the Washington cyrillic fonts	Karney	274
cyrmemo	Details of using the AMS Cyrillic fonts	Beeton	145
cyrtug	EmT <sub>E</sub> X as distributed by CyrTUG	Goossens	229
czhyph	Hyphenation patterns for Czech	Unknown	497
czhyph2e	Convert Czech hyphenation patterns to standard encoding	Lemberg	311
<b>DDDDD</b>			
dad	Simple typesetting system for mixed Arabic/Latin documents	Haralambous	242
dancers	Font for Conan Doyle’s “The Dancing Men”	Stanier	452
dante-book-reviews	Book reviews published in DANTE’s journal	Faulhammer	208
dantelogo	A font for DANTE’s logo	Voß, Höppner	520
darkmode	General Dark Mode Support for L <sup>A</sup> T <sub>E</sub> X-Documents	Deisenroth	188
dashbox	Draw dashed boxes	Thomas	486
dashrule	Draw dashed rules	Pakin	377
dashundergaps	Produce gaps that are underlined, dotted or dashed	Mittelbach, Merciadri	345
dataref	Manage references to experimental data	Dietrich	191
datatool	Tools to load and manipulate data	Talbot	465
datatooltk	A Java GUI for preparing datatool input	Talbot	466
datax	Import individual data from script files	Gustavsson	239

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
dateiliste	Extensions of the \listfiles concept	Ebermann	198
datenumbr	Convert a date into a number and vice versa	Schröder	430
datepicker-pro	Create a popup datepicker using SWF	Story	456
dates	Macros for parsing date strings	Bennett	148
dates209	Flexible date macros	Clark	179
datestamp	Fixed date-stamps with LuaLaTeX	Unknown	497
datetime	Change format of \today with commands for current time	Talbot	466
datetime2-bahasai	Bahasai language module for the datetime2 package	Talbot	466
datetime2-basque	Basque language module for the datetime2 package	Talbot, Izaola	470
datetime2-breton	Breton language module for the datetime2 package	Talbot	466
datetime2-bulga...	Bulgarian language module for the datetime2 package	Talbot	466
datetime2-catalan	Catalan language module for the datetime2 package	Talbot	466
datetime2-croatian	Croatian language module for the datetime2 package	Talbot, Kokan	470
datetime2-czech	Czech language module for the datetime2 package	Talbot	466
datetime2-danish	Danish language module for the datetime2 package	Talbot	466
datetime2-dutch	Dutch language module for the datetime2 package	Talbot	466
datetime2-en-fu...	English Full Text styles for the datetime2 package	Talbot	466
datetime2-english	English language module for the datetime2 package	Talbot	466
datetime2-esper...	Esperanto language module for the datetime2 package	Talbot	466
datetime2-estonian	Estonian language module for the datetime2 package	Talbot	466
datetime2-finnish	Finnish language module for the datetime2 package	Välimäki, Talbot	505
datetime2-french	French language module for the datetime2 package	Talbot, Patience	470
datetime2-galician	Galician language module for the datetime2 package	Talbot	466
datetime2-german	German language module for the datetime2 package	Talbot, Friedl	470
datetime2-greek	Greek language module for the datetime2 package	Talbot	466
datetime2-hebrew	Hebrew language module for the datetime2 package	Talbot	466
datetime2-icela...	Icelandic language module for the datetime2 package	Talbot	467
datetime2-irish	Irish Gaelic Language Module for the datetime2 Package	Talbot	467
datetime2-it-fu...	Italian full text styles for the datetime2 package	Duchi	196
datetime2-italian	Italian language module for the datetime2 package	Talbot, Duchi	470
datetime2-latin	Latin language module for the datetime2 package	Talbot	467
datetime2-lsorbian	Lower Sorbian language module for the datetime2 package	Talbot	467
datetime2-magyar	Magyar language module for the datetime2 package	Talbot	467
datetime2-norsk	Norsk language module for the datetime2 package	Talbot	467
datetime2-polish	Polish language module for the datetime2 package	Talbot	467
datetime2-portuges	Portuguese language module for the datetime2 package	Talbot	467
datetime2-romanian	Romanian language module for the datetime2 package	Talbot, Patience	470
datetime2-russian	Russian language module for the datetime2 package	Talbot	467
datetime2-samin	Northern Sami language module for the datetime2 package	Talbot	467
datetime2-scottish	Scottish Gaelic Language Module for the datetime2 Package	Talbot	467
datetime2-serbian	Serbian language module for the datetime2 package	Talbot, Radović	471
datetime2-slovak	Slovak language module for the datetime2 package	Talbot	467
datetime2-slovene	Slovene language module for the datetime2 package	Talbot	467
datetime2-spanish	Spanish language module for the datetime2 package	Talbot	467
datetime2-swedish	Swedish language module for the datetime2 package	Talbot	467
datetime2-turkish	Turkish language module for the datetime2 package	Talbot	467
datetime2-ukrai...	Ukrainian language module for the datetime2 package	Talbot, Ponomarenko	470
datetime2-usorbian	Upper Sorbian language module for the datetime2 package	Talbot	467
datetime2-welsh	Welsh language module for the datetime2 package	Talbot	468
datetime2	Formats for dates, times and time zones	Talbot	466
dayofweek	Calculate day of week, phase of moon	Minow	343
DayRoman	The Day Roman typeface	Schmidt, Harcombe	426
daytime	Print time of day	Orlandini, Greenwade	374
db	Process simple databases inside L <sup>A</sup> T <sub>E</sub> X	Panagopoulos	379
dblfloatfix	Fixes for twocolumn floats	Høgholm	257

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
dblfnote	Double-column footnotes	Nakashima	355
dblfont	Blackboard bold font package	Bosisio	155
DB_process	Process database output	Eijkhout	201
dbshow	A package to store and display data with custom filters, orders, and styles	Li	313
dccpaper	Typeset papers for the International Journal of Digital Curation	Ball	138
dco	Use the DC fonts with old-style numerals	Kirsch	282
dcolumn	Align on the decimal point of numbers in tabular columns	Carlisle, L <sup>A</sup> T <sub>E</sub> X Team	171
dcounter	Support dynamic counters	Rozhenko	416
DCpic	Commutative diagrams in a L <sup>A</sup> T <sub>E</sub> X and T <sub>E</sub> X documents	Quaresma	393
ddphonism	Dodecaphonic diagrams: twelve-tone matrices, clock diagrams, etc.	Rubio Madrigal	328
de-macro	Expand private macros in a document	Gács	220
debate	Debates between reviewers	Bugayenko	162
decimal	L <sup>A</sup> T <sub>E</sub> X package for the English raised decimal point	Syropoulos, Nickalls	464
decision-table	An easy way to create Decision Model and Notation decision tables	Vandeveldt, Pantigny	505
declare	Declare register names locally	Pittman, Burleson	389
decorule	Decorative swelled rule using font character	Flynn	214
decsci	BibTeX style for the journal Decision Sciences	Rubin	418
dectab	Align columns on a decimal point	Franklin	217
default	Provide default parameters for T <sub>E</sub> X macros	Jiang	269
deflist	A variation on the description environment	Unknown	497
defstring	Define macros as verbatim macros	Unknown	497
degrade	Degrade JPEG images on the fly, prior to inclusion	Münster	352
dehyph-exptl	Experimental hyphenation patterns for the German language	Lemberg, Hennig, Milde, Wehr	312
dehyph	German hyphenation patterns for traditional orthography	Lemberg, Raichle	312
dejavu-otf	Support for the ttf and otf DejaVu fonts	Voß	516
dejavu	L <sup>A</sup> T <sub>E</sub> X support for the DejaVu fonts	Farar	207
delarray	Delimiters for arrays	Carlisle, L <sup>A</sup> T <sub>E</sub> X Team	171
deleq	Flexible numbering of equations	Dahlgren	185
delig	Disable misplaced ligatures in L <sup>A</sup> T <sub>E</sub> X documents	Warner	524
delim	Simplify typesetting mathematical delimiters	Majewsky	330
delimseasy	Delimiter commands that are easy to use and resize	Graham	231
delimset	Typeset and declare sets of delimiters with convenient size control	Beisert	146
delimtxt	Read and parse text tables	Pedersen	382
democodetools	Package for L <sup>A</sup> T <sub>E</sub> X code documentation	Frigeri	219
denisbdoc	A personal dirty package for documenting packages	Bitouzé	151
deproc	Macros for DECUS proceedings articles	Beeton	145
derivative	Nice and easy derivatives	Jensen	268
desclist	Extended “description” lists	Rozhenko	416
designcon	Develop DesignCon papers	Pupalaikis	392
detex	Strip T <sub>E</sub> X from a source file	Trinkle	491
detexfaq	German T <sub>E</sub> X FAQ	Gundlach	238
devanagari-omega	Typeset Devanagari with Omega	Unknown	497
devanagari	Typeset Devanagari	Wagner, Pandey, Velthuis, Smith, Wujastyk, Patte	522
development	BibTeX style file for the journal Development	Eglen	200
dfgproposal	Support for writing proposals to the DFG	Kohlhase	292
dhua	German abbreviations using thin space	Lück	322
diabetes-logbook	A logbook for people with type one diabetes	Grigorov	236
diadia	Package to keep a diabetes diary	Kleber	283
diagbox	Table heads with diagonal lines	Liu	315
diagmac	A diagram drawing package	Reynolds	402
diagmac2	Diagram macros, using pict2e	Tennent, Reynolds	478
diagnose	A diagnostic tool for a T <sub>E</sub> X installation	Corff	182

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
diagramf	Labelled diagrams in Metafont	Gibbons, Jeffrey	224
diagrams	A CTAN collection of diagram macro packages	The CTAN Team	480
diagxy	Diagram macros by Michael Barr	Barr	139
dialogl	Macros for constructing interactive L <sup>A</sup> T <sub>E</sub> X scripts	Downes	194
dialogue	Quote short scripted dialogue in L <sup>A</sup> T <sub>E</sub> X	Swift	461
dice	A font for die faces	Heim	247
dichokey	Construct dichotomous identification keys	Dam	186
dickimaw	Books and tutorials from the “Dickimaw L <sup>A</sup> T <sub>E</sub> X Series”	Talbot	468
dictsym	DictSym font and macro package	Schmidt, Harcombe	426
diffcoeff	Write differential coefficients easily and consistently	Parsloe	380
digestif	Editor plugin for L <sup>A</sup> T <sub>E</sub> X, ConTeXt etc.	Stoffel	455
digicap-pro	Creates captions to digital photos	Story	456
digiconfigs	Writing “configurations”	Madsen	329
dijkstra	Dijkstra algorithm for L <sup>A</sup> T <sub>E</sub> X	Tellechea	473
dimnum	Commands for dimensionless numbers	Clemente	180
din1505	Bibliography styles for German texts	Lorenzen, Baumann	320
dinat	Bibliography style for German texts	Baumann	141
dinbrief-gui	GUI for L <sup>A</sup> T <sub>E</sub> X package dinbrief	Busch	165
dinbrief	German letter DIN style	Braune, Gussmann	158
dingbat	Two dingbat symbol fonts	Henderson, Pakin	249
directory	An address book using BibTeX	Geuzaine	223
directtex	TeX for the Macintosh	Ricken	403
dirtree	Display trees in the style of windows explorer	Charpentier	174
dirtytalk	A package to typeset quotations easier	Klammler	283
disser	Class and templates for typesetting dissertations in Russian	Kruchinin	298
ditaa	Use ditaa diagrams within L <sup>A</sup> T <sub>E</sub> X documents	Ukai	494
dithesis	A class for undergraduate theses at the University of Athens	Mantzouratos	331
divine	L <sup>A</sup> T <sub>E</sub> X support for the divine font	Veytsman	509
djgpp	DJGPP-based version of T <sub>E</sub> X for MS-DOS	Zaretskii	544
dk-bib	Danish variants of standard BibTeX styles	Jørgensen	270
dkhyphen	Danish hyphenation patterns	Jensen	268
dktools	Tools and libraries by Dirk Krause	Krause	297
dlfltxb	Macros related to “Introduktion til L <sup>A</sup> T <sub>E</sub> X”	Madsen	329
dmfonts	Virtual fonts to provide T1 encoding	Sullivan, Kunert	460
dmhgener	Equation, figure (etc.) numbering and referencing	Unknown	497
dnaseq	Format DNA base sequences	Pedersen	382
do-it-yourself-tex	Back to Plain XeTeX	Herz-Fischler	252
doafter	Do things after a group	Wooding	534
doc-pictex	A summary list of PicTeX documentation	Lück	322
doc	Format L <sup>A</sup> T <sub>E</sub> X documentation	Mittelbach, L <sup>A</sup> T <sub>E</sub> X Team	345
docarc	Multi-user distributed bibliographic database system	Kieling	280
docassembly	Use the Acrobat JavaScript API	Story	456
docbytex	Creating documentation from source code	Olšák	373
doclicense	Support for putting documents under a license	Schneider	428
docmfp	Document non-L <sup>A</sup> T <sub>E</sub> X code	Robertson, Wilson	407
docmute	Input files ignoring L <sup>A</sup> T <sub>E</sub> X preamble, etc	Trzeciak	491
docshots	TeX samples next to their PDF Snapshots	Bugayenko	162
docstrip	Remove comments from file	Mittelbach, L <sup>A</sup> T <sub>E</sub> X Team	345
docsurvey	A survey of L <sup>A</sup> T <sub>E</sub> X documentation	Dunn	197
doctools	Tools for the documentation of L <sup>A</sup> T <sub>E</sub> X code	Pospiech	390
documentation	Documentation support for C, Java and assembler code	Morales	347
docutils	Helper commands and element definitions for Docutils L <sup>A</sup> T <sub>E</sub> X output	Milde	342
dogma	Metrics and L <sup>A</sup> T <sub>E</sub> X support for Dogma Font From Emigre Graphics	Veytsman	510
doi	Create correct hyperlinks for DOI numbers	Sneep, Oberdiek	446
doipubmed	Special commands for use in bibliographies	Talbot	468



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
domitian	Drop-in replacement for Palatino	Miller	343
dos-dc	A distribution of the DC fonts for emTeX	Schleicher, Schwarz	424
dosepsbin	Deal with DOS binary EPS files	Oberdiek	365
dot2tex	Convert graphs generated by Graphviz to L <sup>A</sup> T <sub>E</sub> X friendly formats	Fauske	208
dot2texi	Create graphs within L <sup>A</sup> T <sub>E</sub> X using the dot2tex tool	Fauske	208
dotarrow	Extendable dotted arrows	Schneider	428
dotlessi	Provides dotless i's and j's for use in any math font	Bezoz López	317
dotlessj	Generates a dot-less j	Carlisle	168
dotseqn	Flush left equations with dotted leaders to the numbers	Arseneau	132
dottex	Use dot code in L <sup>A</sup> T <sub>E</sub> X	Kotthoff	296
doublecol	Double-column page macros for Plain T <sub>E</sub> X	Unknown	497
doublespace	Double space environment	Page	376
doublestroke	Typeset mathematical double stroke symbols	Kummer	301
doulossil	A font for typesetting the International Phonetic Alphabet (IPA)	Unknown	497
dow	Calculate day of week from a numeric date	Unknown	497
dowith	Apply a command to a list of items	Lück	322
download	Allow L <sup>A</sup> T <sub>E</sub> X to download files using an external process	Sigurdhsson	443
dox	Extend the doc package	Verna	508
dozenal	Typeset documents using base twelve numbering (also called "dozenal")	Goodman	229
DPcircling	Decorated text boxes using TikZ	Mitsuaki	344
dpfloat	Support for double-page floats	Fox	216
dprogress	LaTeX-relevant log information for debugging	Amberg	130
dps	Create a "matching" game with a hidden message	Story	456
drac	Declare active character substitution, robustly	Henel, Noirel	251
draft	A L <sup>A</sup> T <sub>E</sub> X 2.09 style for supporting work on drafts	Baker	137
draftcopy	Identify draft copies	Vollmer	514
draftfigure	Replace figures with a white box and additional features	Bossert	156
drafthead	Mark "DRAFT" in page headers	Page	376
draftmark	Put draft marks on selected pages	Musa	353
draftwatermark	Put a grey textual watermark on document pages	Callegari	166
drama	Production-style stage script in L <sup>A</sup> T <sub>E</sub> X	Swift	461
dramatist	Typeset dramas, both in verse and in prose	Dominici	193
dratex	General drawing macros	Gurari	239
drawing	Simple drawings with Metafont	Wagner	522
drawmatrix	Draw visual representations of matrices in L <sup>A</sup> T <sub>E</sub> X	Peise	384
drawstack	Draw execution stacks	Moy	349
drcaps	Simple dropped capitals	Shipunov	440
drftcite	Print the bibliography in "draft" mode	Arseneau	132
drm	A complete family of fonts written in Metafont	Goodman	229
droid	L <sup>A</sup> T <sub>E</sub> X support for the Droid font families	El Morabity, Matteson	347
droit-fr	Document class and bibliographic style for French law	de Saint-Pern	419
drop	Dropped capitals at the start of a paragraph (L <sup>A</sup> T <sub>E</sub> X 2.09)	Cantor, Wujastyk	167
dropcaps	Use dropped capitals to start a paragraph	Lauwers	307
dropping	Drop first letter of paragraphs	Dahlgren	185
drs	Typeset Discourse Representation Structures (DRS)	Dimitriadis	192
drv	Derivation trees with MetaPost	Méhats	339
dspticks	Macros for Digital Signal Processing plots	Prandoni	391
DSSerif	A double-struck serif font for mathematical use	Sharpe	437
dtk-1.32	Document class for the journal of DANTE	Neugebauer, Voß	357
dtk-bibliography	Bibliography of "Die T <sub>E</sub> Xnische Komödie"	Ziegenhagen	547
dtk	Document class for the journal of DANTE	Voß, Niepraschk	520
dtl	Tools to dis-assemble and re-assemble DVI files	Tobin	488
dtxdescribe	Describe additional object types in dtx source files	Dunn	197
DTX gallery	A small collection of minimal DTX examples	Robertson	404



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
dtxgen	Creates a template for a self-extracting .dtx file	Dekker	188
dtxtut	Tutorial on writing .dtx and .ins files	Pakin	377
ducksay	Draw ASCII art of animals saying a specified message	Spratte	450
duckuments	Create duckified dummy content	Spratte	450
duerer-LaTeX	L <sup>A</sup> T <sub>E</sub> X support for the Duerer fonts	Jørgensen	270
duerer	Computer Duerer fonts	Hoenig	254
duotenzor	Drawing package for circuit and duotensor diagrams	Hardy	245
duplicat	Make duplicate page numbers distinct	Piff, Fairbairns, Carlisle	387
dutchcal	A reworking of ESSTIX13, adding a bold version	Sharpe	437
dvdcoll	A class for typesetting DVD archives	Kleber	283
dvgloss	Facilities for setting interlinear glossed text	Velleman	507
dvgt	Previewer for use on graphic and character-cell terminals	Tobin	488
dvgtk	Tektronix 401x DVI previewer	Cholewo	178
dvi-economic	Save paper while printing	Verhoeven	508
dvi2bitmap	Utility to convert T <sub>E</sub> X DVI files directly to bitmaps	Gray	233
dvi2ln3	LN03 driver based on DVItyp	Rose	412
dvi2tty	Produce ASCII from DVI	Lindahl, Mol, Tanaka	314
dvi2xx	A general-purpose DVI output for Hewlett-Packard printers	Neumann	357
DVIasm	A utility for editing DVI files	Cho, Hosny, Yamashita	178
dvibit	DVI driver for BBN bitgraph terminal	Senn, Schaad	436
dvibook	Utilities for manipulating DVI files	Duggan	196
dvichk	List the page numbers in a DVI file	Esken	204
dviconcat	Concatenates DVI files	Unknown	497
dvicopy	Copy DVI files, flattening VFs	Breitenlohner	159
dvidvi	Convert one DVI file into another	Rokicki, Zimanyi, T <sub>E</sub> XLive	411
dvii	Extract information from a DVI file	Lewenberg	313
dviincl	Include a DVI page into MetaPost output	BOP	153
dviinfox	Perl script to print DVI meta information	Yamashita, Langmyhr	539
dviljk	DVI to Laserjet output	Berry, Schrod, T <sub>E</sub> XLive	149
dvimerge	Merge two DVI files together	Rahtz	395
dviout	T <sub>E</sub> X previewer and printer driver for MS-Windows	Toshio, Otobe, Asayama, Tanaka	490
dvipaste	DVI manipulation	MacKay, Spivak	328
dvipdfm	A DVI driver to produce PDF directly	Wicks	528
dvipdfmx-def	Configuration file for dvipdfmx graphics	Cho, Hirata, L <sup>A</sup> T <sub>E</sub> X Team	178
dvipdfmx	An extended version of dvipdfm	Cho, Franz, Hirata, Wicks, Hosny, Breitenlohner, T <sub>E</sub> XLive	178
dvipng	A fast DVI to PNG/GIF converter	Larsson	306
dvips-os2	OS/2 dvips	Kim	281
dvips-shell	A dvips Shell for MS-Windows32	Unknown	497
dvips	A DVI to PostScript driver	Rokicki, T <sub>E</sub> XLive	411
dvipscol	Alter the usage of the dvips colour stack	Oberdiek	365
dvipsconfig	Collection of dvips PostScript headers	Kuhlmann	300
dvipsk	Convert DVI to PostScript	Rokicki, Berry	411
dvisirule	Superimpose the covered hline and vline in a L <sup>A</sup> T <sub>E</sub> X tabular/colortbl environment	Senju	435
dvistd	A standard for DVI drivers	TUG DVI Standards Working Group	493
dvisun	DVI viewer for Sun2 systems	Hutchinson	261
dvisvgm-def	Colour and Graphics support for dvisvgm	L <sup>A</sup> T <sub>E</sub> X Team	482
dvisvgm	Convert DVI, EPS, and PDF files to Scalable Vector Graphics format (SVG)	Giesekeing	224
DVItoLN03	DVI output to Digital LN03 printer	Hamilton Kelly	276
dvitops	A DVI driver for PostScript output	Clark	179

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
dvitty	A plain-text output DVI driver	Lindahl	314
dvitype	Type out the content of a DVI file	Knuth	289
DVIVue	A DVI/PDF viewer for Windows	Frane Jr	271
dviwin	MS-Windows DVI screen and printer driver	Sendoukas	435
dynamicnumber	Dynamically typeset numbers and values in L <sup>A</sup> T <sub>E</sub> X through “symbolic links”	Pieters	386
dynblocks	A simple way to create dynamic blocks for Beamer	Fiandrino	210
dynbrackets	Commands to simplify the syntax of dynamic math brackets	Clemente	180
dynkin-diagrams	Draw Dynkin, Coxeter, and Satake diagrams using TikZ	McKay	337
dyntree	Construct Dynkin tree diagrams	Setzer	436
<b>EEEE</b>			
e-french	Comprehensive L <sup>A</sup> T <sub>E</sub> X support for French-language typesetting	Gaulle, Juillerat	222
ean	Macros for making EAN barcodes	Olšák	373
ean13isbn	Print EAN13 for ISBN	Wagner	522
easing	easing functions for pgfmath	Loh	316
easy-todo	To-do notes in a document	Rada-Vilela	394
easy	A collection of easy-to-use macros	Bertolazzi	149
easybib	Simple syntax for custom bibliographies	Bertolazzi	149
easybmat	Block matrices	Bertolazzi	149
easybook	Easily typesetting Chinese theses or books	Yi	542
easyeqn	A simple package for writing equations	Bertolazzi	149
easyfig	Simplifying the use of common figures	Scharrer	422
easyfloats	An easier interface to insert figures, tables and other objects in L <sup>A</sup> T <sub>E</sub> X	Zöllner	548
easyformat	Easily add boldface, italics and smallcaps	Provoost	392
easyLaTeX	Faster and simpler writing of L <sup>A</sup> T <sub>E</sub> X documents	Shanks	436
easylist	Lists using a single active character	Isambert, Robbers	263
easyamat	A simple package for writing matrices	Bertolazzi	149
easyReview	Package to provide a way to review (or perform editorial process) in L <sup>A</sup> T <sub>E</sub> X	Matos	334
easytable	A simple package for writing tables	Bertolazzi	149
easyvector	Write vectors in a C-like fashion	Bertolazzi	150
ebezier	Device independent picture environment enhancement	Bachmaier	136
ebgaramond-maths	L <sup>A</sup> T <sub>E</sub> X support for EBGaramond fonts in mathematics	Rees	399
ebgaramond	L <sup>A</sup> T <sub>E</sub> X support for EBGaramond fonts	Tennent	475
ebib	BibTeX database manager for GNU Emacs	Kremers	297
ebnf	Simple package for EBNF productions	Cugley	185
EBONG	Utility for writing Bengali in Rapid Roman Format	Banerjee	138
ebook	Helps creating an ebook by providing an ebook class	Steensgaard	453
ebproof	Formal proofs in the style of sequent calculus	Beffara	146
ebsthesis	Typesetting theses for economics	Baecker	136
ec-plain	Use EC fonts in Plain T <sub>E</sub> X	Taupin	471
ec	Computer modern fonts in T1 and TS1 encodings	Knappen, Schwarz	288
ecards	Electronic flash cards	Story	456
ecc	Sources for the European Concrete fonts	Schmidt, Harcombe	426
ecclesiastic	Typesetting Ecclesiastic Latin	Beccari	143
ecgdraw	Draws electrocardiograms (ECG)	Scavino, Aimé	421
ec1tree	Trees using epic and eepic macros	Isozaki	264
eco	Oldstyle numerals using EC fonts	Kirsch	282
ecobiblatex	Global Ecology and Biogeography BibL <sup>A</sup> T <sub>E</sub> X styles for the Biber back-end	Balak	137
econ-bst	BibTeX style for economics papers	Takeda	465
econlipsum	Generate sentences from economic articles	Coleman	181
Econometrica	BibTeX support for Econometrica	Border, Horny	155
econometrics	Defines some commands that simplify mathematic notation in economic and econometric writing	Kole	295

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
economic	BibTeX support for submitting to Economics journals	Henningsen, Wigle	252
ecothesis	L <sup>A</sup> T <sub>E</sub> X thesis template for the Universidade Federal de Viçosa (UFV), Brazil	Rodrigues	409
ecta	Bibliography style for submission to Econometrica	Perez-Duarte	384
ECV	A fancy Curriculum Vitae class	Haberstumpf, Neumann	239
eczar	A font family supporting Devanagari and Latin script	Unknown	497
ed	Editorial Notes for L <sup>A</sup> T <sub>E</sub> X documents	Kohlhase	292
eddi4tex	Editor and shell for DOS and OS/2	Jahnz	266
ednnotes	Critical annotations to footnotes with ednotes	Lück	322
edichokey	Typeset dichotomous identification keys	Yang	539
editbar	Change bars for L <sup>A</sup> T <sub>E</sub> X 2.09	Van Geest	222
edmac	Typeset critical editions	Lavagnino, Wujastyk	307
edmargin	Multiple series of endnotes for critical editions	Burt	165
ednotes	Typeset scholarly editions	Lück	322
eehyph	Hyphenation patterns for the Estonian language	Saar	419
eemeir	Adjust the gender of words in a document	Hansen	242
eepic	Extensions to epic and the L <sup>A</sup> T <sub>E</sub> X drawing tools	Kwok, van Oostrum	302
efbox	Extension of \fbox, with controllable frames and colours	Malaquias	330
eforms	eForm support for the AcroTeX bundle	Story	456
ega2mf	Generate Metafont code for EGA screen fonts	Ridgeway	403
egameps	L <sup>A</sup> T <sub>E</sub> X package for typesetting extensive games	Osborne	375
egothic	Early Gothic manuscript book-hand font	Wilson	530
egpeirce	Draw existential graphs invented by Charles S. Peirce	Nikulainen	361
egplot	Encapsulate Gnuplot sources in L <sup>A</sup> T <sub>E</sub> X documents	Probst	392
ehhline	Extend the \hhline command	Paciorek	375
eiad-ltx	L <sup>A</sup> T <sub>E</sub> X support for the eiad font	Münch	351
eiad	Traditional style Irish fonts	Derzhanski	190
eijkhout	Victor Eijkhout's packages	Eijkhout	201
einfort	Write your articles in a simple and clear way	XU	537
einfuehrung	Examples from the book Einführung in L <sup>A</sup> T <sub>E</sub> X	Voß	516
einfuehrung2	Examples from the book Einführung in L <sup>A</sup> T <sub>E</sub> X	Voß	516
eitl	Easy install of T <sub>E</sub> X Live	Niepraschk, Voß	361
ejpecp	Class for EJP and ECP	Šakuras, Gumbakis, Chafai	419
ekaia	Article format for publishing the Basque Country Science and Technology Journal "Ekaia"	Ibarra	262
ekdosis	Typesetting TEI-xml compliant Critical Editions	Alessi	128
EkType-Tanka	Devanagari fonts by EkType	Unknown	497
elbioimp	A L <sup>A</sup> T <sub>E</sub> X document class for the Journal of Electrical Bioimpedance	Langmyhr	305
electrumadf	Electrum ADF fonts collection	Rees	399
eledform	Define textual variants	Rouquette	414
eledmac	Typeset scholarly editions	Rouquette	414
eledpar	Typeset scholarly editions in parallel texts	Rouquette	414
ElegantBook	An Elegant L <sup>A</sup> T <sub>E</sub> X Template for Books	Deng, Huang	189
ElegantNote	Elegant L <sup>A</sup> T <sub>E</sub> X Template for Notes	Deng	189
ElegantPaper	An Elegant L <sup>A</sup> T <sub>E</sub> X Template for Working Papers	Deng	189
elements	Provides properties of chemical elements	Niederberger	359
elhyphen	Hyphenation for Greek text	Filippou	211
ellipse	Draw ellipses and elliptical arcs using the standard L <sup>A</sup> T <sub>E</sub> X2e picture environment	Leijen	310
ellipsis	Fix uneven spacing around ellipses in L <sup>A</sup> T <sub>E</sub> X text mode	Heslin	252
elmath	Mathematics in Greek texts	Syropoulos, Potamianos	465
elocalloc	Local allocation macros for L <sup>A</sup> T <sub>E</sub> X 2015	Carlisle	168
elpres	A simple class for electronic presentations	Kiefel	279
els-cas-templates	Elsevier updated L <sup>A</sup> T <sub>E</sub> X templates	Radhakrishnan, T. Nair	394

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
elsarticle	Class for articles for submission to Elsevier journals	Radhakrishnan, Pepping, Ruck	394
elteikthesis	Thesis template for Eötvös Loránd University (Informatics)	Cserép	184
eltex	Simple circuit diagrams in L <sup>A</sup> T <sub>E</sub> X picture mode	Gajdosik	220
elvish	Fonts for typesetting Tolkien Elvish scripts	Bradfield	158
elzcards	Typeset business cards, index cards and flash cards easily	Lazo Zaia	543
emarks	Named mark registers with e-TeX	Chervet	176
embedall	Embed source files into the generated PDF	Sartori, Lichti	420
embedfile	Embed files into PDF	Oberdiek	365
embrac	Upright brackets in emphasised text	Niederberger	359
emerald	Support for the free emerald city fontwerks fonts	Rodríguez	409
emf	Support for the EMF symbol	Jørgensen	270
emisa	A L <sup>A</sup> T <sub>E</sub> X package for preparing manuscripts for the journal EMISA	Sievers, Strecker	442
emo	Emoji for all (L <sup>A</sup> T <sub>E</sub> X engines)	Grimm	236
emoji	Emoji support in (Lua)LaTeX	Zeng	545
emojicite	Add emojis to citations	Sixt	444
emp	”Encapsulate” MetaPost figures in a document	Ohl	372
empheq	EMPHasizing EQuations	Høgholm, Madsen, L <sup>A</sup> T <sub>E</sub> X Team, Robertson, Wright	257
emptypage	Make empty pages really empty	Wette	527
emtex	A T <sub>E</sub> X system for MS-DOS and OS/2	Mattes	334
emtexgi	A MS-Windows shell for emTeX	Cottrell	183
emtrees	Draw labelled trees, using emTeX \specials	Boegeholz	153
emulateapj	Produce output similar to that of APJ	Vikhlinin, Markevitch	513
encguide	Documentation of L <sup>A</sup> T <sub>E</sub> X font encodings	L <sup>A</sup> T <sub>E</sub> X Team, Lemberg	485
encTeX	A T <sub>E</sub> X extension that translates input on its way into T <sub>E</sub> X	Olšák	373
encxvlna	Insert nonbreakable spaces, using encTeX	Wagner, Olšák	522
endfloat	Move floats to the end, leaving markers where they belong	Goldberg, Sommerfeldt	227
endheads	Running headers of the form ”Notes to pp.xx-yy”	Burt	165
endiagram	Easy creation of potential energy curve diagrams	Niederberger	359
endnote	Generic ”endnotes” code	Unknown	497
EndNote2bib	Convert EndNote files to BibTeX	Mathar	333
endnotes-hy	Patches the endnotes package to create hypertext links to the correct anchors	Story	456
endnotes	Place footnotes at the end	Gaulle, Lavagnino, Fairbairns, Carlisle	222
endnotesj	Japanese-style endnotes	Yamashita	538
endofproofwd	An ”end of proof” sign	Jensen	268
engord	Converts numbers to English ordinal numbers	Oberdiek	365
engpron	Helps to type the pronunciation of English words	Henel	250
engrec	Enumerate with lower- or uppercase Greek letters	Henel	250
engtlc	Support for users in Telecommunications Engineering	Fiandrino	210
engwar	Font for typesetting Tolkien Engwar script	Urban	504
enigma	Encrypt documents with a three rotor Enigma	Gesang	223
enotez	Support for end-notes	Niederberger	359
enparen	Consistent nested brackets	Oberdiek	365
enpassant	Enpassant chess font support	Fischer	212
enumerate	Enumerate with redefinable labels	Carlisle, L <sup>A</sup> T <sub>E</sub> X Team	171
enumitem-zref	Extended references to items for enumitem package	Chervet	176
enumitem	Control layout of itemize, enumerate, description	Bezos López	317
enumspec	Enumerate with extra leading character for labels	Greenwade	234
envbig	Printing addresses on envelopes	Manda, Sherman	331
envelope	Print envelopes	Sherman	440
environ	A new interface for environments in L <sup>A</sup> T <sub>E</sub> X	Robertson	405
envlab	Addresses on envelopes or mailing labels	Veytsman	510

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
envmath	Maths commands and environments	Bosisio	155
eolang	Formulas and graphs for the EO programming language	Bugayenko	163
eolgrab	Catch arguments delimited by end of line	Oberdiek	365
epic	Enhance L <sup>A</sup> T <sub>E</sub> X picture mode	Podar	389
Epigrafica	A Greek and Latin font	Tsolomitis	491
epigram	Display short quotations	Hosek	258
epigraph-keys	Epigraphs using key values	McKay	337
epigraph	A package for typesetting epigraphs	Robertson, Wilson	407
epiolmec	Typesetting the Epi-Olmec Language	Syropoulos	463
ePiX	Utility for mathematically accurate, camera quality plots and line figures	Hwang	262
eplain	Extended plain T <sub>E</sub> X macros	Berry, Katsitadze, Sitaram	149
epmtfe	TeX environment for OS/2	Schmidt	425
epstein-trees	Macros for producing trees	Eppstein	203
eps2pdf	A Win32 GUI EPS to PDF convertor	Jakšić	266
epsdice	A scalable dice "font"	Heim	247
epsf-dvipdfmx	Plain T <sub>E</sub> X file for using epsf.tex with (x)dvipdfmx	Kakuto, Berry	273
epsf	Simple macros for EPS inclusion	Rokicki, Beebe	411
epsfig	Include Encapsulated PostScript in L <sup>A</sup> T <sub>E</sub> X documents	Rahtz, Carlisle, L <sup>A</sup> T <sub>E</sub> X Team	396
epsfig209	Obsolete graphics inclusion macros	Whaite	527
epsfview	Mac AppleScript tool for viewing figures generated with MetaPost	Bezós López	317
epsfx	A T <sub>E</sub> X macro package for including EPS graphics	BOP	153
epsincl	Include EPS in MetaPost figures	BOP	154
epslatex	Guide to using Encapsulated PostScript in L <sup>A</sup> T <sub>E</sub> X	Reckdahl	399
epspdf-extra	Platform-specific extras for epspdf	Kroonenberg	298
epspdf-setup	epspdf with GUI installer	Kroonenberg	298
epspdf	Converter for PostScript, EPS and PDF	Kroonenberg	298
epspdfconversion	On-the-fly conversion of EPS to PDF	Becker	144
epstool	Manipulate Encapsulated PostScript (EPS)	Lang	305
epstopdf-pkg	Call epstopdf "on the fly"	Oberdiek	365
epstopdf	Convert EPS to PDF using Ghostscript	Wierda, Rahtz, Esser, Oberdiek, Berry	528
eq-fetchbbl	Match Biblical passages with verse references in a quiz	Story	457
eq-pin2corr	Add PIN security to the "Correct" button of a quiz created by exerquiz	Story	457
eq-save	Save exerquiz quizzes and resume	Story	457
eq2db	Convert a quiz to one submitted to a server-side script	Story	457
eqell	Sympathetically spaced ellipsis after punctuation	Filipović	210
eqexam	A stand-alone exam package	Story	457
eqexpl	Align explanations for formulas	Morenko	348
eqlist	Description lists with equal indentation	Väth	506
eqmark	Generalise facilities for marking equation arrays	Nitschke	362
Eqmlite/Free	TeX system and PDF support for Linux and OS/2	MicroPress	341
eqnalign	Make eqnarray behave like align	Hejda	248
eqname	Name tags for equations	Neugebauer	356
eqnarray	More generalised equation arrays with numbering	Winkler	533
eqnarray209	A fix for L <sup>A</sup> T <sub>E</sub> X 2.09 eqnarray	Jones	269
eqnumwarn	Modifies the amsmath equation environments to warn for a displaced equation number	Gleason	226
eqparbox	Create equal-width parboxes	Pakin	377
equationauthor	Visual equation editor	Manhiça	331
erdc	Style for Reports by US Army Corps of Engineers	Veytsman	510
erewhon-math	Utopia based OpenType Math font	Flipo	213
erewhon	Font package derived from Heuristica and Utopia	Sharpe	437
errata	Error markup for L <sup>A</sup> T <sub>E</sub> X documents	Kohlhase	292
erw-13	Utilities based on L <sup>A</sup> T <sub>E</sub> X3	Rogard	410



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
esami	Typeset exams with scrambled questions and answers	Messineo, Vassallo	340
escapeTeXt	Make plain text safe for use in L <sup>A</sup> T <sub>E</sub> X	Hefferon	247
esdiff	Simplify typesetting of derivatives	Saudrais	420
esieecv	Curriculum vitae for French use	Bayart	141
esindex	Typset index entries in Spanish documents	Bezos López	317
esint-type1	Font esint10 in Type 1 format	Nikunen	361
esint	Extended set of integrals for Computer Modern	Saudrais	420
esk	Package to encapsulate Sketch files in L <sup>A</sup> T <sub>E</sub> X sources	Kazimiers	275
eskd	Modern Russian typesetting	Fyodorov	220
eskdxd	Modern Russian typesetting	Korikov	296
eslides	An option for article style to make slides	Denk	190
eso-pic	Add picture commands (or backgrounds) to every page	Niepraschk	360
esperant	Style option for writing Esperanto texts	Knappen	287
espo	Customisation for Esperanto	Unknown	498
esrelation	Provides a symbol set for describing relations between ordered pairs	Reinfurt	401
esstix	PostScript versions of the ESSTIX, with macro support	Sharpe	437
estcpmm	Style for Munitions Management Project Reports	Veytsman	510
esvect	Vector arrows	Saudrais	420
et	TeX-compatible editor	Collins	181
etaremun	Reverse-counting enumerate environment	Adriaens	127
ETbb	An expansion of Edward Tufte's ET-Bembo family	Sharpe	437
etdipa	Simple, lightweight template for scientific documents	Laube	307
etex-pkg	E-TeX support package	Carlisle, Breitenlohner, L <sup>A</sup> T <sub>E</sub> X Team	170
e-TeX	An extended version of T <sub>E</sub> X, from the NTS project	Breitenlohner, T <sub>E</sub> XLive	159
etexcmds	Avoid name clashes with e-TeX commands	Oberdiek	366
etextools	e-TeX tools for L <sup>A</sup> T <sub>E</sub> X users and package writers	Chervet	176
ethiop-t1	Type 1 versions of Amharic fonts	Rosenau	412
ethiop	L <sup>A</sup> T <sub>E</sub> X macros and fonts for typesetting Amharic	Beyene, Kudlec, Kummer, Metzinger	150
ethtex	Fonts and L <sup>A</sup> T <sub>E</sub> X support for typesetting Amharic	Alamnehe	128
etl	Expandable token list operations	Spratte	450
etoc	Completely customisable TOCs	Burnol	164
etoolbox-de	German translation of documentation of etoolbox	Enderling	203
etoolbox	e-TeX tools for L <sup>A</sup> T <sub>E</sub> X	Lehman, Wright	310
etruscan	Fonts for the Etruscan script	Wilson	530
etsvthor	Some useful abbreviations for members of e.t.s.v. Thor	Debets	188
euclideangeometry	Draw geometrical constructions	Beccari	143
EUenc	Unicode font encoding definitions for XeTeX	Robertson, Roux, Hosny	406
euflag	A command to reproduce the flag of the European Union	Flynn	214
eukdate	UK format dates, with weekday	Moschou	348
eukleides	A geometry drawing system	Obrecht	371
euler-math	OpenType version of Hermann Zapf's Euler maths font	Flipo	213
euler	Use AMS Euler fonts for math	Jensen	268
eulerpx	A modern interface for the Euler math fonts	Ouassou, Tijssen	375
eulervm	Euler virtual math fonts	Schmidt, Harcombe	426
euproposal	A class for preparing FP7 proposals	Kohlhase	292
euro-ce	Euro and CE sign font	de Wijn	529
euro	Provide Euro values for national currency amounts	Franz	217
eurofont	Provides a command that prints a euro symbol	McDonnell	337
euroitc	L <sup>A</sup> T <sub>E</sub> X interface for the ITC euro font symbols	Schlicht	425
europasscv	Unofficial class for the new version of the Europass curriculum vitae	Mazzamuto	336
EuropeCV	Unofficial class for European curricula vitae	Vitacolonna, Silano	513
europs	Access to Adobe's Euro currency symbol fonts	Clausen	180
eurosans	Interface to Adobe's sans-serif Euro font	Schmidt, Harcombe	426

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
eurosym	Metafont and macros for Euro sign	Theiling	486
eurotex	Multilingual macros for Plain T <sub>E</sub> X	Aavatsmark	126
euxunicode	Generate Unicode characters from accented glyphs	Robertson	405
Evangelion-JFM	A Japanese font metric supporting many advanced features	Huang	260
evautofl	Pages with cut lines and punch marks	Vicentini	512
evenpage	Ensure that the total number of pages is even	Bosisio	155
everyhook	Hooks for standard T <sub>E</sub> X token lists	Checkoway	174
everypage	Provide hooks to be run on every page of a document	Callegari	166
everysel	Provides hooks into \selectfont	Schröder, Peischl	430
everyshi	Take action at every \shipout	Schröder, Peischl	431
evweek	Weekly calendar	Vicentini	512
exam-lite	Quicker preparation of exams in L <sup>A</sup> T <sub>E</sub> X	Kukovec	301
exam-n	Exam class, focused on collaborative authoring	Gray	233
exam-randomizec...	Randomize mc choices using the exam class	op den Brouw	160
exam-zh	L <sup>A</sup> T <sub>E</sub> X template for Chinese exams	Guo, Xia	238
exam	Package for typesetting exam scripts	Hirschhorn	254
exam209	Process exam questions and answers (L <sup>A</sup> T <sub>E</sub> X 2.09)	Greenwade	234
Exam design	L <sup>A</sup> T <sub>E</sub> X class for typesetting exams	Alexander	129
example	Typeset examples for T <sub>E</sub> X courses	Schrod	430
examplep	Verbatim phrases and listings in L <sup>A</sup> T <sub>E</sub> X	Szabó	465
exams	Typeset exam questions	van der Meer	339
excalibur	Macintosh spell checker	Zacone	542
Excel2LaTeX	Convert Excel spreadsheets to L <sup>A</sup> T <sub>E</sub> X tables	Marder, Müller, Pearson, Hawryluk, Hughes, Kokan	331
Exceltex	Get data from Excel files into L <sup>A</sup> T <sub>E</sub> X	Doerr	192
excludeonly	Prevent files being \include-ed	Luecking, Arseneau	325
exercise	Typeset exercises, problems, etc. and their answers	Pichaureau	385
exercisebank	Creating and managing exercises, and reusing them as composed sets	Storvik Strauman	459
exercisepoints	A L <sup>A</sup> T <sub>E</sub> X package to count exercises and points	Kerstan	277
exercises	Typeset exercises and solutions with automatic addition of points	Jud	272
exerquiz	Environments for defining exercises and quizzes	Story	457
exesheet	Typesetting exercise or exam sheets	Missier	344
exframe	Framework for exercise problems	Beisert	146
exp-testopt	Expandable \@testopt (and related) macros	Ebermann	198
expdlist	Expanded description environments	Hülse, Kaspar	261
expex-acro	Wrapper for the expex package	Matter	334
expex	Linguistic examples and glosses, with reference capabilities	Frampton	216
expkv-bundle	An expandable key=val implementation and friends	Spratte	450
expkv-cs	Define expandable key=val macros using expkv	Spratte	450
expkv-def	A key-defining frontend for expkv	Spratte	450
expkv-opt	Parse class and package options with expkv	Spratte	450
expkv	An expandable key=val implementation	Spratte	450
expl3	Wrapper package for experimental L <sup>A</sup> T <sub>E</sub> X3	L <sup>A</sup> T <sub>E</sub> X Team	482
export	Import and export values of L <sup>A</sup> T <sub>E</sub> X registers	Drucbert	195
expose-expl3-du...	Using expl3 to implement some numerical algorithms	Henel	250
expressg	Diagrams consisting of boxes, lines, and annotations	Wilson	530
exscale	Implements scaling of the 'cmex' fonts	Mittelbach, Schöpf, L <sup>A</sup> T <sub>E</sub> X Team	345
exsheets	Create exercise sheets and exams	Niederberger	359
exsol	Exercises and solutions from the same source, into a book	Daems	185
extarrows	Extra Arrows beyond those provided in amsmath	Huynh	261
extdash	A range of dash commands for compound words	Rozhenko	416
exteps	Include EPS figures in MetaPost	Jørgensen	270
extpfeil	Extensible arrows in mathematics	Ebermann	198
extract	Extract parts of a document and write to another document	Adriaens	127

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
extractpdfmark	Extract page mode and named destinations as PDFmark from PDF	Hosoda	259
extradefs	A miscellany of support macros	McPherson	338
extsizes	Extend the standard classes' size options	Kilfiger, May	280
<b>FFFFF</b>			
fac	Macros for FAC journal	Woollatt, Reed, Notarmarco	535
facsimile	Document class for preparing faxes	Bronger	160
factura	Typeset and calculate invoices according to Venezuelan law	Lazo Zaia	543
facture-belge-s...	Simple Belgian invoice without VAT	Sebille	434
facture	Generate an invoice	Rouquette, Gombin	415
fahyph	Hyphenation patterns for Persian (in Unicode)	Khalighi, bidi-tex GitHub Organisation	278
fakebold	A simple macro for faking bold fonts	Unknown	498
faktor	Typeset quotient structures with L <sup>A</sup> T <sub>E</sub> X	Ebermann	198
faltblat	Making Leaflets	Klöckl	286
familytree	Draw family trees	Senju	435
famt	Project Reports and Notices in FAMT institute	Chavan, Desai, Kalyani, Mahadik	174
fancybox	Variants of \fbox and other games with boxes	Van Zandt	543
fancy chapters	Chapters with quotations	Heitkoetter	248
fancyfolien	Fancyhdr outline for German readers	Steffani	453
fancyhandout	A L <sup>A</sup> T <sub>E</sub> X class for producing nice-looking handouts	Friedl	218
fancyhdr-it	Italian translation of fancyhdr documentation	Agostini, Rigo	127
fancyhdr	Extensive control of page headers and footers in L <sup>A</sup> T <sub>E</sub> X2e	van Oostrum	373
fancyhdrboxed	Elaborate page headers, specified in a non-L <sup>A</sup> T <sub>E</sub> X language	Algaba	129
fancyheadings	Legacy headings package	van Oostrum	374
fancylabel	Complex labelling with L <sup>A</sup> T <sub>E</sub> X	Siegel	442
fancynum	Typeset numbers	Green	234
fancypar	Decoration of individual paragraphs	Medina Arellano	131
fancyqr	Fancy QR-Codes with TikZ	Sihler	443
fancyref	A L <sup>A</sup> T <sub>E</sub> X package for fancy cross-referencing	Reichert	400
fancyslides	Custom presentation class built upon L <sup>A</sup> T <sub>E</sub> X Beamer	Łupkowski	326
fancytabs	Fancy page border tabs	Pinson	388
fancytooltips	Include a wide range of material in PDF tooltips	Mařík	332
fancyvrb	Sophisticated verbatim text	Van Zandt, Voß, Girou, Rahtz, Mansfield	544
fandol	Four basic fonts for Chinese typesetting	Ma	328
faq-de	The DANTE T <sub>E</sub> X Users Group Frequently Asked Questions	Raichle, Niepraschk, Hafner	397
faq-es	CervanTeX (Spanish T <sub>E</sub> X Group) FAQ	Martín	333
faq-fr	French FAQ of the GUTenberg T <sub>E</sub> X user group	Kluth, Just, Tanguy	286
fascicules	Create mathematical manuals for schools	Moritz	348
fast-diagram	Easy generation of FAST diagrams	Allais	129
fastpictex	Simple specification of PicTeX diagrams	Stauss	453
fax	Document class for preparing faxes	Rhebergen, de Jonge	402
fbf	A free Bembo-like font	Sharpe	437
fbthesis	Computer Science thesis class for University of Dortmund	Dierker	191
fbox	Extended \fbox macro from standard L <sup>A</sup> T <sub>E</sub> X	Voß	516
fbs	BibTeX style for Frontiers in Bioscience	Suckale	460
fc-arith	Create an arithmetic flash card	Story	457
fc	Fonts for African languages	Knappen	287
fcavtex	A thesis class for the FCAV/UNESP (Brazil)	Maldonado Jr	272
fchart	Flow diagrams in L <sup>A</sup> T <sub>E</sub> X 2.09	Schollmeyer	429
fcitxdoc	Macros for use in the author's documentation	Chervet	176
fcolum	Typesetting financial tables	Olthof	373
fdsymbol	A maths symbol font	Ummels	494
fduthesis	L <sup>A</sup> T <sub>E</sub> X thesis template for Fudan University	Zeng	545

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
featpost	MetaPost macros for 3D	Gonçalves	228
fei	Class for academic works at FEI University Center – Brazil	De Rizzo Meneghetti	340
FenetreCas	Commands for CAS-like windows (Xcas or Geogebra) in TikZ	Pierquet	386
fenixpar	One-shot changes to token registers such as \everypar	Música de Rivera	403
fepslatex	French version of "graphics in L <sup>A</sup> T <sub>E</sub> X"	Drucbert	195
fetamont	Extended version of Knuth's logo typeface	Romer	411
fetchbibpes	Creates a DB of Bible verses from e-Sword, then fetches them on command	Story	457
fetchcls	Fetch the current class name	Giannotti	224
feupphdtheses	Typeset Engineering PhD theses at the University of Porto	Espinoza	204
fewerfloatpages	Reduce the number of unnecessary float pages	Mittelbach	344
feyn	A font for in-text Feynman diagrams	Gray	233
feynman	Feynman diagrams in L <sup>A</sup> T <sub>E</sub> X 2.09	Levine	312
feynmf	Macros and fonts for creating Feynman (and other) diagrams	Ohl	372
feynmp-auto	Automatic processing of feynmp graphics	Gregorio	235
ffcode	Fixed-font code blocks formatted nicely	Bugayenko	163
ffslides	Freeform slides based on the article class	Wolters	534
fge	A font for Frege's Grundgesetze der Arithmetik	Green	234
fguler	Draw rulers on the foreground or in the text	Tómacs	489
fi2t1	Tools for installing Type 1 fonts in MiKTeX	Kapune	273
fibeamr	Beamer theme for thesis defense presentations at Masaryk University (Brno, Czech Republic)	Novotný	363
fibnum	Generate Fibonacci numbers	Oberdiek	366
fifinddo-info	German HTML beamer presentation on nicetext and morehype	Lück	322
fifinddo	Filtering files using T <sub>E</sub> X	Lück	322
fifo-stack	FIFO and stack implementation for package writers	Gaito	220
fig2eng	Convert fig files to English	Tobin	488
fig2lat	Convert .fig files to vector graphics	Krause	297
fig2mf	Convert fig output to Metafont	Starks	453
fig2mpic	Convert fig output to mpic	Tobin	488
fig2sty	Use fig as layout designer for L <sup>A</sup> T <sub>E</sub> X	Rohner	411
fig2vect	Yet another Fig to vector converter	Krause	297
fig4latex	Management of figures for large L <sup>A</sup> T <sub>E</sub> X documents	Fields	210
figbas	Mini-fonts for figured-bass notation in music	Tennent	475
FigBib	Organize figure databases with BibTeX	Poland	389
figcaps	Collect figure captions for later printing	Daly	186
figchild	Pictures for creating children's activities	de Souza Bastos	448
figflow	Flow text around a figure	Hutchinson	261
figfrag	Convert xfig figures with embedded L <sup>A</sup> T <sub>E</sub> X commands to EPS	Ditzel	192
figplace	Floating figures in Plain T <sub>E</sub> X	Zalmstra	543
figput	Create interactive figures in L <sup>A</sup> T <sub>E</sub> X	Fairman	206
figsinltx	A tutorial on figures in L <sup>A</sup> T <sub>E</sub> X 2.09	Goel	227
FigSize	Auto-size graphics	Tanbakuchi	471
fihyph	Hyphenation patterns for Finnish language	Hellgren	248
filecontents	Create an external file from within a L <sup>A</sup> T <sub>E</sub> X document	Pakin	377
filecontentsdef	filecontents + macro + verbatim	Burnol	164
filedate	Access and compare info and modification dates	Lück	322
fileerr	LaTeX's mechanisms for dealing with file errors	Mittelbach	344
filehdr	Self-descriptions in file headers	Beebe	145
filehook	Hooks for input files	Scharrer	422
fileinfo	Enhanced display of L <sup>A</sup> T <sub>E</sub> X File Information	Lück	323
filemod	Provide file modification times, and compare them	Scharrer	422
fillform	Typeset answers to overprint on printed forms	Wagner	522
findbib	Find bibliographic details from SPIRES	Nesti, Goldstein	356
findhyph	Find hyphenated words in a document	Budaj	162

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
FiNK	The L <sup>A</sup> T <sub>E</sub> X2e File Name Keeper	Verna	508
Finomaton	Comfortably draw and typeset finite state machines	Triska	491
finplain	A Finnish version of plain.bst	Kaijanaho	272
finstrut	Adjust behaviour of the ends of footnotes	Lück	323
fira	Fira fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	475
firamath-otf	Use OpenType math font Fira Math	Voß	516
firamath	Fira sans serif font with Unicode math support	Zeng	545
firefox-ctan-pl...	Firefox search proformas for CTAN	Engler	203
first-latex-doc	A document for absolute L <sup>A</sup> T <sub>E</sub> X beginners	Hefferon, Pégourié-Gonnard, Berry	247
first-packages	A short list of go-to L <sup>A</sup> T <sub>E</sub> X packages, aimed at a beginner	Hefferon	247
firstline	Print the first line of a paragraph in a different font	Fox	216
firststeps-xampl	Examples from “First steps in L <sup>A</sup> T <sub>E</sub> X”	Grätzer	232
fistrum	Access to 150 paragraphs of Lorem Fistrum very dummy text	Davó	188
fitbox	Fit graphics on a page	Veytsman	510
fithesis	Thesis class and template for Masaryk University (Brno, Czech Republic)	Novotný	363
FitR	Set a rectangular destination and jump to it	Story	457
fix-cm	Permit Computer Modern fonts at arbitrary sizes	Schmidt, L <sup>A</sup> T <sub>E</sub> X Team	427
fix2col	Fix miscellaneous two column mode features	Carlisle	168
fixbbl	Patch bibliographies inappropriately broken by BibTeX	Stajano	452
fixcmex	Fully scalable version of Computer Modern Math Extension font	Gregorio	235
fixdif	Macros for typesetting differential operators	Zhang	545
fixfoot	Multiple use of the same footnote text	Fairbairns, Carlisle	205
fixjfm	Fix JFM (for *pTeX)	Zhang	546
fixlatvian	Improve Latvian language support in X <sub>Y</sub> L <sup>A</sup> T <sub>E</sub> X	Vihrov	513
fixltx2e	Patches for L <sup>A</sup> T <sub>E</sub> X	L <sup>A</sup> T <sub>E</sub> X Team	482
fixltxhyph	Allow hyphenation of partially-emphasised substrings	Beccari	143
fixmath	Make maths comply with ISO 31-0:1992 to ISO 31-13:1992	Schmidt, Harcombe	426
FixMe	Collaborative annotation tool for L <sup>A</sup> T <sub>E</sub> X	Verna	508
fixmetodonotes	Add notes on document development	Barabucci	138
fixocgx	Add support for dvips+ps2pdf, X <sub>Y</sub> L <sup>A</sup> T <sub>E</sub> X, dvipdfmx to the ocgx package	Grahn	231
fixpdfmag	Fix magnification in pdfTeX	Bezos López	317
fiziko	A MetaPost library for physics textbook illustrations	Slyusarev	445
fjodor	A selection of layout styles	Filipović	210
flabels	Labels for files and folders	Börchers	154
flacards	Generate flashcards for printing	Stuhrmann	460
flagderiv	Flag style derivation package	van Tilburg	487
flags	Setting and clearing of flags in bit fields	Oberdiek	366
flashcard	Typeset flash cards	Kilfiger	280
flashcards	A class for typesetting flashcards	Budge, Vernon	162
flashmovie	Directly embed flash movies into PDF files	Hartmann	246
flatex	Flatten \input, etc., in a L <sup>A</sup> T <sub>E</sub> X file	Har-Peled	242
flatten	Flatten \input, etc., in a L <sup>A</sup> T <sub>E</sub> X file	Wilson	530
fldigial	Create a Flash slide show of digital photos	Story	457
flexipage	Flexible page geometry with marginalia	Vrba	521
flexisym	Symbol manipulation for breqn	Høgholm, Madsen, Robertson, Wright, Downes	257
flipbook	Typeset flipbook animations, in the corners of documents	Buffet	162
flippdf	Horizontal flipping of pages with pdfLaTeX	Callegari	167
float	Improved interface for floating objects	Lingnau	315
floatfig	Deprecated: Allows text to be wrapped around figures	Kneser	288
floatflt	Wrap text around floats	Dahlgren	185
floatnohead	Suppress page headings on float-only pages	Rahtz, Hosek	396
floatpag	Different pagestyles on float pages	Statulevičius	453



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
floatrow	Modifying the layout of floats	Lapko	306
flow	Draw flow diagrams in picture mode	Brown	161
flowchart	Shapes for drawing flowcharts, using TikZ	Robson	408
flowfram	Create text frames for posters, brochures or magazines	Talbot	468
FlowframTk	Vector graphics application with support for flowfram.sty	Talbot	468
fltpage	Place caption on an adjacent page	Gross	236
fltpoint	Simple floating point arithmetic	Guthöhrlein	239
flushend	Balancing columns at last page	Tolušis	489
fmp	Include Functional MetaPost in L <sup>A</sup> T <sub>E</sub> X	Kuhlmann	299
fmtcount	Display the value of a L <sup>A</sup> T <sub>E</sub> X counter in a variety of formats	Talbot, Belaïche	470
fn2end	Convert footnotes to endnotes	Border	155
fnbreak	Warn for split footnotes	Harders	243
fnycchap	Seven predefined chapter heading styles	Lindgren	315
fnclab	Alter the format of \label references	Fairbairns, Carlisle	205
fnlineno	Number the lines of footnotes	Lück, Wette	324
fnote	Auto-numbered footnotes in Plain T <sub>E</sub> X	Unknown	498
fnpara-pln	Footnotes in paragraphs	Wujastyk	536
fnpara	Footnotes in paragraphs	Rowley, Wujastyk, Smith	416
fnpct	Manage footnote marks' interaction with punctuation	Niederberger	359
fnpos	Control the position of footnotes on the page	Nakashima	355
fnspe	Macros for supporting mainly students of FNSPE CTU in Prague	Zeman	545
fontguide	Documentation of L <sup>A</sup> T <sub>E</sub> X font commands	L <sup>A</sup> T <sub>E</sub> X Team	482
fontproof	A programmable font test pattern generator	Luecking	325
fontprint	Print a number in 'appropriate' format	Schneider	428
foekfont	The title font of the Mads Føk magazine	Jørgensen	270
foilhtml	Interface between foiltex and L <sup>A</sup> T <sub>E</sub> X2HTML	Veytsman	510
foiltex	A L <sup>A</sup> T <sub>E</sub> X2e class for overhead transparencies	Hafner	239
folio	Use folio numbers to replace page numbers	Syrjänen	462
fonetika	Support for the Danish "Dania" phonetic system	Jørgensen	270
font-change-xetex	Macros to change text and mathematics fonts in plain XeTeX	Dhawan	191
font-change	Macros to change text and mathematics fonts in plain T <sub>E</sub> X	Dhawan	191
font_selection	Font selection for plain T <sub>E</sub> X	de Wijn	529
fontawesome	Font containing web-related icons	Danaux, Gandy	187
fontawesome5	Font Awesome 5 with L <sup>A</sup> T <sub>E</sub> X support	Krüger	298
fontaxes	Additional font axes for L <sup>A</sup> T <sub>E</sub> X	Bühmann, Ummels	163
fontbl	A font sampler	Beeman, MacKay	145
fontbook	Generate a font book	Pinson	388
fontch	Changing fonts, sizes and encodings in Plain T <sub>E</sub> X	Medina	339
fontchart	A font sampler	Lemberg	311
fontinf	An introduction to font usage in L <sup>A</sup> T <sub>E</sub> X (German)	Bezoz López, Ruedas	320
fontenc	Standard package for selecting font encodings	L <sup>A</sup> T <sub>E</sub> X Team	482
fontinst	Help with installing fonts for T <sub>E</sub> X and L <sup>A</sup> T <sub>E</sub> X	Hellström, Jeffrey, Rahtz, Vieth	249
fontinstallatio...	Font installation guide	Lehman	309
fontload	A partial font downloading utility	Malyshev	331
fontloader-lua...	Alternative fontloaders for luaotfload	Fischer	212
fontmfizz	Font Mfizz icons for use in L <sup>A</sup> T <sub>E</sub> X	Dungs	197
fontname	Scheme for naming fonts in T <sub>E</sub> X	Berry	149
fonttools	Tools to simplify using fonts (especially TT/OTF ones)	Penninga	384
fonts-arundina	DejaVu-compatible Thai fonts	Karoonboonyanan	274
fonts-churchsla...	Fonts for typesetting in Church Slavonic language	Kroutikov, Andreev	298
fonts-tlwg	Thai fonts for L <sup>A</sup> T <sub>E</sub> X from TLWG	Karoonboonyanan	274
fontssampler	Samples of fonts that come with T <sub>E</sub> X Live	Flynn	215
fontsetup-nonfree	A front-end to fontspec, for selected non-free fonts	Tsolomitis	491
fontsetup	A front-end to fontspec, for selected fonts with math support	Tsolomitis	491

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
fontsize	A small package to set arbitrary sizes for the main font of the document	Valbusa	505
fontsmpl	Print a sample of a font	Jeffrey	267
fontspec	Advanced font selection in Xe <sub>La</sub> TeX and LuaLaTeX	Robertson, L <sup>A</sup> TeX Team	406
fonttable	Print font tables from a L <sup>A</sup> TeX document	Robertson, Wilson	407
fontwrap	Bind fonts to specific unicode blocks	Kamermans	273
footbib	Bibliographic references as footnotes	Domenjoud	192
footmisc	A range of footnote options	Fairbairns, Mittelbach	206
footmisx	A range of footnote options	Roucariès	413
footnote	Improve on L <sup>A</sup> TeX's footnote handling	Wooding	534
footnotebackref	Back-references from footnotes	Lange	305
footnotehyper	hyperref aware footnote.sty	Burnol	164
footnoterange	References to ranges of footnotes	Münch	350
footnpag	Per-page numbering of footnotes	Schrod	430
forarray	Using array structures in L <sup>A</sup> TeX	Schröppel	431
foreign	Systematic treatment of 'foreign' words in documents	Ratcliffe	398
forest-quickstart	Quickstart Guide for Linguists package "forest"	Vanden Wyngaerd	536
forest	Drawing (linguistic) trees	Živanović	547
forindex	Manipulate \index commands in a L <sup>A</sup> TeX file	Milanese	342
forloop	Iteration in L <sup>A</sup> TeX	Setzer	436
formal-grammar	Typeset formal grammars	Vassor	506
format	Format a counter as a fixed-point number	Karney	274
formation-latex-ul	Introductory L <sup>A</sup> TeX course in French	Goulet	230
formlett	Letters to multiple recipients	Jiang	269
forms16be	Initialize form properties using big-endian encoding	Story	457
formula	Typesetting physical units	Tille	487
formular	Create forms containing field for manual entry	Wirth	533
fortran	Print Fortran programs	Toby	489
forum	Forum fonts with L <sup>A</sup> TeX support	Tennent	475
fotex	Process XSL-FO	Rahtz	395
fouridx	Left sub- and superscripts in maths mode	Karrmann	274
fourier	Using Utopia fonts in L <sup>A</sup> TeX documents	Bovani	157
FourierNC	Use New Century Schoolbook text with Fourier maths fonts	Zedler, Sharpe	544
fourproject	Analyse and display the structure of a T <sub>E</sub> X document	Frambach	216
fourspell	Windows32 spell checker for T <sub>E</sub> X, RTF, HTML, and BibTeX	Frambach	216
fp	Fixed point arithmetic	Mehlich	339
fpl	SC and OsF fonts for URW Palladio L	Stubner	459
fpTeX	A web2C-based T <sub>E</sub> X system for MS-Windows32	Popineau	390
fragmaster	Using psfrag with pdfLaTeX	Domingo, Vogel	192
fragments	Fragments of L <sup>A</sup> TeX code	Carlisle	168
frame	Framed boxes for Plain T <sub>E</sub> X	Van Zandt, Voß	544
framed	Framed or shaded regions that can break across pages	Arseneau	132
francais-bst	Bibliographies conforming to French typographic standards	Goulet	230
frankenbundle	Develop and distribute L <sup>A</sup> TeX packages and classes and BibTeX styles	Swift	461
frankenstein-un...	Unsupported packages from the Frankenstein bundle	Swift	462
frankenstein	A collection of L <sup>A</sup> TeX packages	Swift	461
frcursive	French cursive hand fonts	Beffara	146
frederika2016	An OpenType Greek calligraphy font	Syropoulos	463
free-math-font-...	The survey of available free Mathematics fonts, translated to Vietnamese	Hòa	254
free-math-font-...	A survey of available free Mathematics fonts	Hartke	246
freetype	A full-featured font rasterizer library	Lemberg	312
frege	Typeset fregean Begriffsschrift	Pamp	379
french-translat...	French translation project	Bayart	141
frenchle	French macros, usable stand-alone or with Babel	Gaulle, Juillerat	222

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
frenchmath	Typesetting mathematics according to French rules	Missier	344
frenchponct	Implement French-style spacing at punctuation	Roy	416
frenchpro	Professional typesetting of French documents	Gaulle	221
frenchquote	Make something like guillemets	Unknown	498
frhyph	French hyphenation patterns	Flipo	213
FriBidiXeTeX	A pre-processor for XeTeX files to support unicode bidirectional algorithm	Khalighi, bidi-tex GitHub Organisation	278
fribrief	Two L <sup>A</sup> T <sub>E</sub> X classes for writing letters in German	Fries	219
frimurer	Access to the 'frimurer' cipher for use with L <sup>A</sup> T <sub>E</sub> X	Jørgensen	270
frletter	Typeset letters in the French style	Andronic	130
frontespizio	Create a frontispiece for Italian theses	Gregorio	235
froufrou	Fancy section separators	Lago	303
frpseudocode	French translation for the algorithmicx package	Irwin	263
ftc-notebook	Typeset FIRST Tech Challenge (FTC) notebooks	Team Robocracy	473
ftcap	Allows \caption at the beginning of a table-environment	Steffani	453
ftetx	TeX support in FTE text editor	Zydowitz	548
ftn	L <sup>A</sup> T <sub>E</sub> X footnotes anywhere	Thorup	487
ftnright	Footnotes in two column documents in one column only	Mittelbach, L <sup>A</sup> T <sub>E</sub> X Team	346
ftnxtra	Extend the applicability of the \footnote command	Khalighi, bidi-tex GitHub Organisation	278
fullblk	Left-blocking for letter class	Cloos Jr.	272
fullminipage	Minipage spanning a complete page	Schneider	428
fullpage	Set all page margins to 1.5cm	Daly	186
fullpict	Full page pictures	Shawyer	439
fullwidth	Adjust margins of text block	Daniel	187
functan	Macros for functional analysis and PDE theory	Lejay	311
functional	Provide an intuitive functional programming interface for L <sup>A</sup> T <sub>E</sub> X2	Lyu	327
fundus-calligra	Support for the calligra font in L <sup>A</sup> T <sub>E</sub> X documents	Neugebauer	356
fundus-cyr	Support for Washington University Cyrillic fonts	Neugebauer	356
fundus-la	Support for the la and lla fonts in L <sup>A</sup> T <sub>E</sub> X documents	Neugebauer	356
fundus-outline	L <sup>A</sup> T <sub>E</sub> X support for CM outline fonts	Neugebauer	356
fundus-pvscript	Support for Vanroose handwriting font	Neugebauer	356
fundus-startrek	'Startrek' fonts, and macros to support them	Neugebauer	357
fundus-sueterlin	Sütterlin	Neugebauer	357
fundus-twcal	L <sup>A</sup> T <sub>E</sub> X support for the twcal handwriting font	Neugebauer	357
fundus-va	Support for the va fonts in L <sup>A</sup> T <sub>E</sub> X documents	Neugebauer	357
fundus	Providing L <sup>A</sup> T <sub>E</sub> X access to various font families	Neugebauer	356
funnelweb	A flexible, language-independent web system	Coates	180
futhark	Fonts for the Older Futhark script	deyAvemta	191
futhorc	Anglo-Friesic futhorc alphabet font	Pantke	379
futurans	Metrics and L <sup>A</sup> T <sub>E</sub> X support for Futura Fonts From Adobe As Used By No Starch Press	Veytsman	510
fvextra	Extensions and patches for fancyvrb	Poore	390
fweb	A literate programming tool working with L <sup>A</sup> T <sub>E</sub> X	Krommes	298
fwlw	Get first and last words of a page	Arseneau	132
<b>GGGGG</b>			
g-brief	Letter document class	Lenzen	312
gaceta	A class to typeset La Gaceta de la RSME	Varona	506
gahyph	Hyphenation patterns for the Irish language	Scannell	421
galois	Typeset Galois connections	Cousot	184
gamebook	Typeset gamebooks and other interactive novels	Miede	341
Gamebooklib	Macros for setting numbered entries in shuffled order	Lee	309
gammas	Template for the GAMM Archive for Students	GAMM Juniors, Kern, Bartelt, Unger, Hansen-Doerr	221

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
gandhi	Gandhi Serif and Sans fonts, with L <sup>A</sup> T <sub>E</sub> X support	Tennent	475
gapfill	Generate L <sup>A</sup> T <sub>E</sub> X picture environments from PostScript output of drawing programs	Möller	346
garamond-libre	The Garamond Libre font face	Miller, Tennent	343
garamond-math	An OTF math font matching EB Garamond	Zhao, Zeng	546
garamondx	‘Expert’-like extensions to URW Garamond, and maths italic	Sharpe	437
garrigues	MetaPost macros for the reproduction of Garrigues’ Easter nomogram	Roegel	409
GasTeX	Graphs and Automata Simplified in T <sub>E</sub> X	Gastin	221
gatech-thesis	Georgia Institute of Technology thesis class	Keller, Wilson	276
gates	Support for writing modular and customisable code	Isambert, Robbers	263
gatherenum	A crossover of align* and enumerate	Rivaud	403
gauss	A package for Gaussian operations	Kauers	275
gb4e	Linguistic tools	Kolb, Thiersch, Dimitriadis	295
gbrief-creator	A front end for the gbrief package	Schinke	424
gbt7714	BibTeX implementation of China’s bibliography style standard GB/T 7714-2015	Lee	309
gcard	Arrange text on a sheet to fold into a greeting card	McBane	336
gchords	Typeset guitar chords	Peeters	383
gcite	Citations in a reader-friendly style	Atkinson, Phillips	135
gckanbun	Kanbun typesetting for (u)pL <sup>A</sup> T <sub>E</sub> X and LuaL <sup>A</sup> T <sub>E</sub> X	Yamamoto	538
GELLMU	LaTeX-like markup for writing XML documents	Hammond	241
gen	Genealogy symbols	Knuth	289
gender	Gender neutrality for languages with grammatical gender	Banhardt	138
gene-logic	Typeset logic formulae, etc	Neugebauer	357
genealogy	A compilation genealogy font	Roegel	409
genealogytree	Pedigree and genealogical tree diagrams	Sturm	460
genfam	Run Metafont to produce the bitmap fonts	Schrod	430
genindex	Alternative index series	Smith	445
genmpage	Generalization of L <sup>A</sup> T <sub>E</sub> X’s minipages	Lotze	321
gensymb	Generic symbols for both text and math mode	Schmidt, Harcombe	426
gentabtex	Python helper for creating tables	Algaba	129
gentium-original	Gentium font and support files	Schmitz, Miklavec	428
gentium-tug	Gentium fonts (in two formats) and support files	Berry, Miklavec, Farar, Schmitz	149
gentl-gr	Modern Greek translation of the Gentle Introduction to T <sub>E</sub> X	Filippou	211
gentle	A Gentle Introduction to T <sub>E</sub> X	Doob	193
gentombow	Generate Japanese-style crop marks	Yamashita	538
geometry-de	German documentation for the geometry package	Umeki	494
geometry	Flexible and complete interface to document dimensions	Umeki, Carlisle	494
geomsty	Macros used in typesetting a geometry book	Levy	312
geophysics	Articles for the journal Geophysics	Gildea	224
georgian-stanier	A Georgian font	Stanier	452
georgian	Support for typesetting in Georgian	Shoshiashvili	441
geradwp	Document class for the Cahiers du GERAD series	Hamel	241
german	Support for German typography	Raichle	396
germbib	German variants of standard BibTeX styles	Harders	243
germdoc	A collection of documentation available in German	Unknown	498
germkorr	Change kerning for German quotation marks	Baumann	141
geschichtsfkrl	BibL <sup>A</sup> T <sub>E</sub> X style for historians	Zachhuber	543
getargs	A flexible list-parsing macro with configurable parsing character	Segletes	434
getfiledate	Find the date of last modification of a file	Musa	353
getitems	Gathering items from a list-like environment	Hendrickson	250
getmap	Download OpenStreetMap maps for use in documents	Kleber	283
getoptk	Define macros with sophisticated options	Le Barbier Grünwald	237
getrefs	BibTeX style to sort by ”journal” entries of references	Deutscher	190

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
getttitlestring	Clean up title references	Oberdiek	366
gfdl	Support for using GFDL in L <sup>A</sup> T <sub>E</sub> X	Unknown	498
gfnotation	Typeset Gottlob Frege's notation in plain T <sub>E</sub> X	Wermuth	527
GFS	The GFS font collection	Tsolomitis, Matthiopoulos, The Greek Font Society	492
GFS Artemisia	A modern Greek font design	Tsolomitis, Matthiopoulos, The Greek Font Society	492
GFS Baskerville	A Greek font, from one such by Baskerville	Tsolomitis, The Greek Font Society	492
GFS Bodoni	A Greek and Latin font based on Bodoni	Tsolomitis, The Greek Font Society	492
GFS Complutum	A Greek font with a long history	Tsolomitis, Matthiopoulos	492
GFSDidot	A Greek font based on Didot's work	Tsolomitis, Aubord, Matthiopoulos, The Greek Font Society	492
GFSDidotClassic	The classic version of GFSDidot	Tsolomitis	491
GFS NeoHellenic	A font in the Neo-Hellenic style	Tsolomitis, The Greek Font Society	492
GFSNeohellenicMath	A math font in the Neo-Hellenic style	Tsolomitis	491
GFS Porson	A Greek font, originally from Porson	Tsolomitis, The Greek Font Society	492
GFS Solomos	A Greek-alphabet font	Tsolomitis	491
ghab	Typeset ghab boxes in L <sup>A</sup> T <sub>E</sub> X	Khalighi, bidi-tex GitHub Organisation	278
ghostscript	Freely available PostScript interpreter	Deutsch	190
ghsystem	Globally harmonised system of chemical (etc) naming	Niederberger	359
gillcm	Alternative unslanted italic Computer Modern fonts	Veytsman	510
gillius	Gillius fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	475
gincitex	Include T <sub>E</sub> X files as graphics (.tex support for \includegraphics)	Scharrer	422
gindex	Formatting indexes	Bezós López	317
ginpenc	Modification of inputenc for German	Harders	243
git-latexdiff	Call latexdiff on two Git revisions of a file	Moy	349
gitfile-info	Get git metadata for a specific file	Hilbig	253
gitinfo	Access metadata from the git distributed version control system	Longborough, L <sup>A</sup> T <sub>E</sub> X Team	316
gitinfo2	Access metadata from the git distributed version control system	Longborough, L <sup>A</sup> T <sub>E</sub> X Team	316
gitlog	Typesetting git changelogs	Longborough, L <sup>A</sup> T <sub>E</sub> X Team	316
gitstatus	Include Git information in the document as watermark or via variables	Gruber	237
gitver	Get the current git hash of a project and typeset it in the document	Baynham	142
gkpmac	The macros used in "Concrete Mathematics"	Knuth	289
gl-tree	Linguistic trees with a preprocessor	Lee	308
GladTeX	L <sup>A</sup> T <sub>E</sub> X equations in HTML	Gulbrandsen, Humenda	238
gleitobjekte	Tutorial from a DANTE meeting in November 1997	Reichert	400
glhyph	Hyphenation patterns for Galician	Múgica de Rivera	403
globalvals	Declare global variables	Baynham	142
glonti	Virtual fonts for T2A-encoded fonts	Glonti	226
glosmathtools	Mathematical nomenclature tools based on the glossaries package	Gagnon	220
gloss-occitan	Polyglossia support for Occitan	Valmary	505
gloss	Create glossaries using BibTeX	de Arriba, Bezós López	132
glossaries-accsupp	Accessibility support for glossaries	Talbot	468
glossaries-danish	Danish language module for glossaries package	Talbot	468
glossaries-dutch	Dutch language module for glossaries package	Talbot	468
glossaries-english	English language module for glossaries package	Talbot	468
glossaries-esto...	Estonian language module for glossaries package	Kankainen	273
glossaries-extra	An extension to the glossaries package	Talbot	468
glossaries-finnish	Finnish language module for glossaries package	Välimäki	505



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
glossaries-french	French language module for glossaries package	Talbot, Bitouzé, Belaïche	470
glossaries-german	German language module for glossaries package	Talbot	468
glossaries-irish	Irish language module for glossaries package	Talbot	468
glossaries-italian	Italian language module for glossaries package	Talbot	468
glossaries-magyar	Magyar language module for glossaries package	Talbot	468
glossaries-nynorsk	Nynorsk language module for the glossaries package	Haustveit	246
glossaries-polish	Polish language module for glossaries package	Talbot	469
glossaries-port...	Portuges language module for glossaries package	Talbot	469
glossaries-serbian	Serbian language module for glossaries package	Talbot	469
glossaries-slovene	Slovene language module for glossaries package	Bačić	136
glossaries-spanish	Spanish language module for glossaries package	Talbot	469
glossaries-swedish	Swedish language module for glossaries package	Nyqvist	364
glossaries	Create glossaries and lists of acronyms	Talbot	468
glossary	Create a glossary	Talbot	469
glosstex	Prepare glossaries in L <sup>A</sup> T <sub>E</sub> X	Yavuz	542
glotex	A glossary processor	Aurbach, Hantelmann, Iani-gro	136
gmdoc-enhance	Some enhancements to the gmdoc package	Ebermann	198
gmdoc	Documentation of L <sup>A</sup> T <sub>E</sub> X packages	Murzynowski	353
gmeometric	Change page size wherever it's safe	Murzynowski	353
gmiflink	Simplify usage of \hypertarget and \hyperlink	Murzynowski	353
gmp	Enable integration between MetaPost pictures and L <sup>A</sup> T <sub>E</sub> X	Gregorio	235
gmutils	Support macros for other packages	Murzynowski	353
gmverb	A variant of L <sup>A</sup> T <sub>E</sub> X \verb, verbatim and shortvrb	Murzynowski	353
gmverse	A package for typesetting (short) poems	Murzynowski	353
gnu-freefont	A Unicode font, with rather wide coverage	White	528
gnuplot	General purpose plotting program	Hecking, Williams, Kelley	246
gnuplottex	Embed Gnuplot commands in L <sup>A</sup> T <sub>E</sub> X documents	Kotthoff	296
go-make	A make variant for L <sup>A</sup> T <sub>E</sub> X documents	Musliner	354
go	Fonts and macros for typesetting go games	Kołodziejska	295
gobble	More gobble macros for PlainTeX and L <sup>A</sup> T <sub>E</sub> X	Scharrer	422
goblin	Tolkien's goblin alphabet	Stanier	452
gofonts	GoSans and GoMono fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	475
gost	BibTeX styles to format according to GOST	Polyakov, Kotelnikov	390
gothic	A collection of old German-style fonts	Haralambous, Schrell, Ludwig, Bronger, Taupin	243
gotoh	An implementation of the Gotoh sequence alignment algorithm	Asakura	135
gpdata	Cause MetaPost graph package to ignore '#'-comments	Vieth	512
gplot	CGM-based graphics support	Andrews	130
grabbox	Read an argument into a box and execute the code afterwards	Spratte	450
gradback	Gradient backgrounds for dvips output	Pedersen	383
gradient-text	Decorate text with linear gradient colors	Du	196
gradientframe	Simple gradient frames around objects	Raue	398
grading-scheme	Typeset grading schemes in tabular format	Keßler	277
gradstudentresume	A generic template for graduate student resumes	Kumar	301
grafcet	Draw Grafcet/SFC with TikZ	Papanicola	380
grafik	EPS graphics under Windows	Dübendorfer	196
grant	Classes for formatting federal grant proposals	Karr	274
graph35	Draw keys and screen items of several Casio calculators	Paternault	382
GraphBase	A platform for combinatorial algorithms	Knuth	289
graphbox	Extend graphicx to improve placement of graphics	Beisert	146
GraphConv	Convert graph files to PSTricks	Chicoine	177
grapher	Create graphs, state machine and data flow diagrams	Algaba	129
graphfig	Simpler graphic, subfigure and float	Bosisio	155
graphicp	An enhanced version of graphics	Szabó	465

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
graphics-cfg	Sample configuration files for L <sup>A</sup> T <sub>E</sub> X color and graphics	L <sup>A</sup> T <sub>E</sub> X Team	482
graphics-def	Colour and graphics option files	L <sup>A</sup> T <sub>E</sub> X Team, Wright	486
graphics-pln	LaTeX-style graphics for Plain T <sub>E</sub> X users	Carlisle	168
graphics	Standard L <sup>A</sup> T <sub>E</sub> X graphics	Carlisle, L <sup>A</sup> T <sub>E</sub> X Team	171
graphicscache	Cache includegraphics calls	Schwarz	433
graphicx-psmin	Reduce size of PostScript files by not repeating images	Adriaens	127
graphicx	Enhanced support for graphics	Carlisle, L <sup>A</sup> T <sub>E</sub> X Team	171
graphicxbox	Insert a graphical image as a background	Story	457
graphicxpsd	Adobe Photoshop Data format (PSD) support for graphicx package	Yamamoto	538
GraphicxSP	An extension of the graphicx package	Story	457
graphpap	For producing graph paper	Lamport, L <sup>A</sup> T <sub>E</sub> X Team	305
graphpaper	A L <sup>A</sup> T <sub>E</sub> X class to generate several types of graph papers	Biccari, Beccari	150
GraphTeX	Graphs theory and related diagrams in a T <sub>E</sub> X document	Pliam	389
graphviz	Write graphviz (dot+neato) inline in L <sup>A</sup> T <sub>E</sub> X documents	Rayside	398
gray	Fonts for gray-scales	Knuth	289
grayhints	Produce ‘gray hints’ to a variable text field	Story	457
grchyp	Hyphenation for classical Greek, under XeTeX	Codet	180
greek-fontenc	LICR macros and encoding definition files for Greek	Milde	342
greek-inputenc	Greek encoding support for inputenc	Syropoulos, Filippou, Milde	464
greek-makeindex	Makeindex working with Greek	Syropoulos	463
greek4cbc	A Greek font from 394BC	Wilson	530
greek6cbc	A Greek font from the sixth century BC	Wilson	531
greekctr	Represent counters by letters of the Greek alphabet	Knappen	287
greekdates	Provides ancient Greek day and month names, dates, etc	Tsolomitis	492
greekinfo3	Overview of systems, packages, and fonts for Greek T <sub>E</sub> X	Dimakos, Filippou	192
grektex-fd	L <sup>A</sup> T <sub>E</sub> X font definition files for GreekTeX	Brodnik	160
grektex	Fonts for typesetting Greek/English documents	Moschovakis, Sfyrakis	348
greetonoi	Facilitates writing/editing of multiaccented greek	Cornaros	183
greenpoint	The Green Point logo	Triska	491
gregoriotex	Engraving Gregorian Chant scores	Roux, So, Springuel	415
grfext	Manipulate the graphics package’s list of extensions	Oberdiek	366
grffile	Extended file name support for graphics (legacy package)	Oberdiek	366
grfguide	L <sup>A</sup> T <sub>E</sub> X standard graphics and color packages documentation	Carlisle	168
grfpaste	Include fragments of a dvi file	Carlisle	168
grid-system	Page organisation, modelled on CSS facilities	Bitzl	151
grid	Grid typesetting in L <sup>A</sup> T <sub>E</sub> X	River Valley Technologies	403
gridpapers	Graph paper backgrounds and color schemes	McNees, Stein	338
gridset	Grid, a.k.a. in-register, setting	Kohm	292
gridslides	Free form slides with blocks placed on a grid	Mendler	340
grkfst	Install Greek Type 1 fonts	Kryukov	299
grnumalt	Ancient Greek (Athenian) numbers	Syropoulos	463
grtimes	Typeset Greek text with Times New Roman Greek	Syropoulos	463
grundgesetze	Typeset Frege’s Grundgesetze der Arithmetik	Rosberg	413
grverb	Typesetting Greek verbatim	Syropoulos	463
GS1	Typeset EAN barcodes using T <sub>E</sub> X rules, only	Kohm	292
gsemthesis	Geneva School of Economics and Management PhD thesis format	Rousseaux	415
gsftopk	Convert “Ghostscript fonts” to PK files	Vojta	514
gsview	View PostScript under MS-Windows or OS/2	Lang	305
gtex-letter	A Gnome assistant to ease the writing of L <sup>A</sup> T <sub>E</sub> X letters	Folini	215
gtl	Manipulating generalized token lists	Le Floch	214
gtrcrd	Add chords to lyrics	Bresciani	159
gtrlib.largetrees	Library for genealogytree aiming at large trees	Grewe	236
gu	Typeset crystallographic group-subgroup-schemes	Lange	305
guarani	Guarani support	Bezos López	317
gudea	The Gudea font face with support for L <sup>A</sup> T <sub>E</sub> X and pdfLaTeX	Ebinger	199

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
guia-bibtex	Guia casi completa de BibTeX	López	320
guide-latex-fr	A french guide on L <sup>A</sup> T <sub>E</sub> X – for beginners or advanced users	Bouzigues	157
GuIT-corso	Introduzione al mondo di L <sup>A</sup> T <sub>E</sub> X	Himmelman, Vavassori, Busdraghi	253
guitar	Guitar chords and song texts	Väth	506
guitarchordschemes	Guitar Chord and Scale Tablatures	Niederberger	359
guitartabs	A class for drawing guitar tablatures easily	Babushkin	136
GuITbeamer	Beamer-based class for GuIT presentations	Vavassori	507
GuITlogo	Macros for typesetting the GuIT logo	Vicentini	512
gurmukhi-singh	Support for Gurmukhi in T <sub>E</sub> X	Singh	444
gurmukhi	Support for Gurmukhi	Pandey	379
gurps	Typeset Generic Universal Role Playing System (GURPS) materials	Farley	207
GUtenberg	French T <sub>E</sub> X Users Group information	Just	272
gv-savepos	A patch to gv to save positions	Thành	478
gv	An X front end for Ghostscript	Marchesi	331
gzt	Bundle of classes for “La Gazette des Mathématiciens”	Bitouzé	151
<b>HHHHH</b>			
h2020proposal	L <sup>A</sup> T <sub>E</sub> X class and template for EU H2020 RIA proposal	Indiveri	262
ha-prosper	Patches and improvements for prosper	Adriaens	127
hackalloc	Make allocations local	Unknown	498
hackthefootline	Footline selection and configuration for L <sup>A</sup> T <sub>E</sub> X beamer’s standard themes	Friedl	218
hacm	Font support for the Arka language	Miyatani	346
hagenberg-thesis	Collection of L <sup>A</sup> T <sub>E</sub> X classes, style files and example documents for academic manuscripts	Burger, Hochleitner	163
halftone	Knuth’s halftone font and its uses	Clark, Knuth	179
halloweenmath	Scary and creepy math symbols with AMS-L <sup>A</sup> T <sub>E</sub> X integration	Mezzetti	340
hamnosys	A font for sign languages	Schulder, Hanke	431
handin	Light weight template for creating school submissions using L <sup>A</sup> T <sub>E</sub> X	Storvik Strauman	459
handout	Create handout for auditors of a talk	Rouquette	414
handoutWithNotes	Create Handouts with notes from your L <sup>A</sup> T <sub>E</sub> X beamer presentation	Diepen, Peischl	191
hands	Pointing hand font	Tobin, Powroz	488
hang	Environments for hanging paragraphs and list items	Nolda	362
hangcaption	Hanging layout for captions	Jones	270
hanging	Hanging paragraphs	Robertson, Wilson	407
hanoi	Tower of Hanoi in T <sub>E</sub> X	Blackmore	151
hanzibox	Boxed Chinese characters with Pinyin above and translation below	Geng	222
happy4th	A firework display in obfuscated T <sub>E</sub> X	Blackmore	151
har2nat	Replace the harvard package with natbib	Straathof	459
haranoaji-extra	Harano Aji Fonts	Hosoda	259
haranoaji	Harano Aji Fonts	Hosoda	259
hardwrap	Hard wrap text to a certain character length	Robertson, Godby	405
harmony	Typeset harmony symbols, etc., for musicology	Wegner, Wegner	525
harnon-cv	A CV document class with a vertical timeline for experience	Hart	246
harpoon	Extra harpoons, using the graphics package	Kuipers	301
harvard-obsolete	The Harvard bibliography style family	Williams	529
harvard	Harvard citation package for use with L <sup>A</sup> T <sub>E</sub> X 2e	Williams, Schnier	530
harveyballs	Create Harvey Balls using TikZ	Roth	413
harvmac	Macros for scientific articles	Ginsparg	225
hatching	MetaPost macros for hatching interior of closed paths	Jackowski	264
hausarbeit-jura	Class for writing “juristische Hausarbeiten” at German Universities	Sievers	442
havannah	Diagrams of board positions in the games of Havannah and Hex	Ciura	179
hcbundle	Replacement for the L <sup>A</sup> T <sub>E</sub> X classes	Siefkes	442
he-le-na	Support for Serbian typesetting	Filipović	210
he-she	Alternating pronouns to aid gender-neutral writing	Munn	351

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
headerfooter	Define the layouts of page headers and footers	Gildea	225
hebtex	Support for Hebrew and other right-to-left languages	Porrat	390
hecthes	A class for dissertations and theses at HEC Montréal	Hamel	241
hellas	Typeset bibliographies which include Greek	Syropoulos	463
helmholtz-ellis...	Beautiful in-line microtonal just intonation accidentals	Nicholson	358
helvet	Load Helvetica, scaled	Schmidt, L <sup>A</sup> T <sub>E</sub> X Team	427
hep-acronym	An acronym extension for glossaries	Hajer	240
hep-bibliography	An acronym extension for glossaries	Hajer	240
hep-float	Convenience package for float placement	Hajer	240
hep-font	Latin modern extended by computer modern	Hajer	240
hep-gen	Generic macros for quantum physics	Unknown	498
hep-math-font	Extended Greek and sans-serif math	Hajer	240
hep-math	Extended math macros	Hajer	240
hep-paper	Publications in High Energy Physics	Hajer	240
hep-reference	Adjustments for publications in High Energy Physics	Hajer	240
hep-text	List and text extensions	Hajer	241
hep-title	Extensions for the title page	Hajer	241
hep	A "convenience wrapper" for High Energy Physics packages	Buckley	162
hepnames	Pre-defined high energy particle names	Buckley	162
HEPparticles	Macros for typesetting high energy physics particle names	Buckley	162
hepthesis	A class for academic reports, especially PhD theses	Buckley	162
Hepunits	A set of units useful in high energy physics applications	Buckley	162
here	Emulation of obsolete package for "here" floats	Berry	149
hereapplies	A L <sup>A</sup> T <sub>E</sub> X package for referencing groups of pages that share something in common	Unknown	498
heros-otf	Using the OpenType fonts T <sub>E</sub> X Gyre Heros>	Voß	516
hershey-mp	MetaPost support for the Hershey font file format	Renkema	401
hershey	Experiments with the Hershey fonts	Yap	539
heuristica	Fonts extending Utopia, with L <sup>A</sup> T <sub>E</sub> X support files	Sharpe	437
hex	Print a counter in hexadecimal	Domenjoud	192
hexboard	For drawing Hex boards and games	Rowlett, Sangwin	416
hexdump	Read and typeset ASCII hexdump files	Hillebrand	253
hexgame	Provide an environment to draw a hexgame-board	Brouwer	161
hf-tikz	A simple way to highlight formulas and formula parts	Fiandrino	210
hfbright	The hfbright fonts	Harders	244
hfoldsty	Old style numerals with EC fonts	Harders	244
HFUTExam	Exam class for Hefei University of Technology (China)	Zhang	545
hfutthesis	L <sup>A</sup> T <sub>E</sub> X Thesis Template for Hefei University of Technology	Yin	542
hge	An "Old English" font	Unknown	498
hhlne	Better horizontal lines in tabulars and arrays	Carlisle	168
hhtensor	Print vectors, matrices, and tensors	Harders	244
hideanswer	Generate documents with and without answers by toggling a switch	Kusakabe	302
hieroglf	The "poor man's" Egyptian Hieroglyphic font	Wilson	531
hieroglyph	Hieroglyph fonts and other support	Rosmorduc	413
highlight	Converts source code to syntax highlighted T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Simon	443
highlightlatex	Syntax highlighting for L <sup>A</sup> T <sub>E</sub> X	Kuhlmann	300
hiowres	Support high and low resolution versions of same picture	Gerell	223
hindawi-latex-t...	A L <sup>A</sup> T <sub>E</sub> X template for authors of the Hindawi journals	Kumar	301
hindmadurai	The HindMadurai font face with support for L <sup>A</sup> T <sub>E</sub> X and pdfLaTeX	Ebinger	199
histogr	Draw histograms with the L <sup>A</sup> T <sub>E</sub> X picture environment	Schöpf	429
historische-zei...	BibL <sup>A</sup> T <sub>E</sub> X style for the journal 'Historische Zeitschrift'	Waßenhoven	525
histyle	A "HighStyle" environment for T <sub>E</sub> X	Unknown	498
hitec	Class for documentation	Billauer	150
hitex	A T <sub>E</sub> X extension writing HINT output for on-screen reading	Ruckert	418
hithesis	Harbin Institute of Technology Thesis Template	Yanshuo	539

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
hitreport	Harbin Institute of Technology Report L <sup>A</sup> T <sub>E</sub> X Template	Sun	461
hitszbeamer	A beamer theme for Harbin Institute of Technology, ShenZhen	Yang	539
HITSZThesis	A dissertation template for Harbin Institute of Technology, ShenZhen	Yang	539
hktex	A T <sub>E</sub> X/L <sup>A</sup> T <sub>E</sub> X equivalent for Android	Tse	491
HLaTeX fonts	A collection of Korean (Hangul) fonts	Un	494
hlatex	Support for the Korean language	Un	495
hletter	Flexible letter typesetting with flexible page headings	Housley	259
hlist	Horizontal and columned lists	Tellechea	473
hmtrump	Describe card games	Hitomi	254
hobby	An implementation of Hobby's algorithm for PGF/TikZ	Stacey	451
hobete	Unofficial beamer theme for the University of Hohenheim	Görlach	230
hobsub	Construct package bundles	Oberdiek	366
hoffset-voffset	Calculate values for \hoffset and \voffset	Zabelin	542
hologo	A collection of logos with bookmark support	Oberdiek	366
holtpolt	Typeset Maxwell's non-commutative division	Knappen	287
holtxdoc	Documentation macros for oberdiek bundle, etc	Oberdiek	366
hook-pre-commit...	Pre-commit git hook for L <sup>A</sup> T <sub>E</sub> X package developers	Rouquette	414
hopatch	Load patches for packages	Oberdiek	366
horoscop	Generate astrological charts in L <sup>A</sup> T <sub>E</sub> X	Skala	444
HPtfm2pl	Create T <sub>E</sub> X PL files from HP AutoFont Support	Walsh	523
hp2xx	HP GL converter	Unknown	498
hpgl2ps	Translate HPGL to PostScript	McCormick	337
hpsdiss	A dissertation class	Schmid	425
href-ul	Underscored L <sup>A</sup> T <sub>E</sub> X hyperlinks	Bugayenko	163
hrefhide	Suppress hyper links when printing	Münch	350
hrhyph	Croatian hyphenation	Marinović	332
hrlatex	L <sup>A</sup> T <sub>E</sub> X support for Croatian documents	Maretić	331
hsindex	An alternative index processor to imakeidx written with Haskell	Joulin	271
html2latex	Convert HTML to L <sup>A</sup> T <sub>E</sub> X	Thatcher, Seibert, Torkington, Reimers	479
htmlhelp	HTML translation of VMS help files	Walsh, Greenwade	523
hu-berlin-bundle	L <sup>A</sup> T <sub>E</sub> X classes for the Humboldt-Universität zu Berlin	Bossert	156
huawei	Template for Huawei documents	Bugayenko	163
huaz	Automatic Hungarian definite articles	Tómacs	489
huhyph	Hyphenation patterns for the Hungarian language	Mayer	336
hulipsum	Hungarian dummy text (Lórum ipse)	Tómacs	490
humanbio	Bibliography style for "Human Biology"	Rogers	410
humanist	Humanist manuscript book-hand font	Wilson	531
humannat	Bibliography style for "Human Nature" and "American Anthropologist"	Rogers	410
huncial	Fonts based on the half Uncial manuscript book-hand	Wilson	531
hungarian	New Hungarian hyphenation patterns	Nagy	354
hustthesis	Unofficial thesis template for Huazhong University	Cheng	175
hvarabic	Macros for RTL typesetting	Voß	516
hvdashln	Horizontal and vertical dashed lines in arrays and tabulars	Nakashima	355
hvextern	Write and execute external code, and insert the output	Voß	516
hvfloating	Controlling captions, fullpage and doublepage floats	Voß	516
hvindex	Support for indexing	Voß	516
hvlogos	Print T <sub>E</sub> X-related names as logo	Voß	516
hvmath-fonts	Bitmap versions of the Micropress HV-Math fonts (Helvetica Maths)	MicroPress	341
hvmath	Support for using the Micropress HV-Math fonts (Helvetica Maths)	Schmidt, Harcombe	426
hvpgmentex	Syntax-Highlighting of program code	Voß	516
hvqrurl	Insert a QR code in the margin	Voß	516
hwemoji	Unicode emoji support for pdfL <sup>A</sup> T <sub>E</sub> X with sequences	Unknown	498
hwkatakana	Half-width katakana fonts	Hassenpflug	246



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
hyacc-cm	Hyphenation using 7-bit fonts	Flipo, Siebenmann	214
hybrid-latex	Allow active Python code in L <sup>A</sup> T <sub>E</sub> X documents	Brewin	159
hycolor	Implements colour for packages hyperref and bookmark	Oberdiek	366
hybmsec	Hypertext bookmarks in sectioning commands	Oberdiek	366
hyccap	Adjusting the anchors of captions	Oberdiek	366
hydestopt	Hyperref destination optimizer	Oberdiek	366
hydoc	Hyper extensions for doc.sty	Oberdiek	367
hydvips	Hyperref extensions for use with dvips	Niedrist	360
hyper	Hypertext cross referencing	Mehlich	339
hyperbar	Add interactive Barcode fields to PDF forms	Krüger	298
hyperlatex	A restricted L <sup>A</sup> T <sub>E</sub> X system that also produces HTML	Cheong, Sgouros	175
hypernat	Allow hyperref and natbib to work together	Berger	148
hyperref	Extensive support for hypertext in L <sup>A</sup> T <sub>E</sub> X	Oberdiek, Rahtz, Oberdiek Package Support Group, L <sup>A</sup> T <sub>E</sub> X Team	371
hyperxmp	Embed XMP metadata within a L <sup>A</sup> T <sub>E</sub> X document	Pakin	377
hypgotoc	Links to embedded files	Oberdiek	367
hyph-utf8	Hyphenation patterns expressed in UTF-8	Miklavec, Rosendahl, Pégourié-Gonnard, Roux, Hosny	341
hyphen-accent	L <sup>A</sup> T <sub>E</sub> X 2.09 code for using DC fonts	Taupin	472
hyphen-spanish	Standard hyphenation rules for Spanish	Bezós López, Carmona	320
hyphenat	Disable/enable hyphenation	Robertson, Wilson	407
hyphenation-greek	Hyphenation patterns for ancient and modern Greek	Filippou	211
hyphenex	US English hyphenation exceptions file	Lemberg, Beeton, Berry	312
hyphsubst	Substitute hyphenation patterns	Oberdiek	367
hyphnt1	Additional hyphenation patterns	Raichle	396
HyPlain	Basic support for multiple languages in Plain T <sub>E</sub> X	Gregorio	235
<b>III</b>			
i-ching	An i-ching package	Bzyl	166
iagproc	Class for two column IAG Proceedings articles	Vermeer	508
iahypen	Hyphenation patterns for Interlingua	Kleiweg	285
ibarra	L <sup>A</sup> T <sub>E</sub> X support for the Ibarra Real Nova family of fonts	Tennent	475
ibm	Metrics for IBM fonts	Rahtz	395
ibmres-tex	A semi-automated approach to the production of resumes	Leeman	309
ibrackets	Intelligent brackets	Missier	344
ibycus-babel	Use the Ibycus 4 Greek font with Babel	Heslin	252
ibyrk	Fonts and macros to typeset ancient Greek	Schmidt, Harcombe, MacKay	427
icehyph	Icelandic hyphenation patterns	Pind, Sverrisson	388
icelandic	Icelandic Fonts	Pind	388
iching	A font for I Ching divinations	Stanier	452
icite	Indices locorum citatorum	Alessi	128
icomma	Intelligent commas for decimal numbers	Schmidt	425
icon-appr	Creates icon appearances for form buttons	Story	457
icons	TeX icons	Carriba, Sendoukas	171
icsv	Class for typesetting articles for the ICSV conference	Robertson	405
idealfonts	Font and L <sup>A</sup> T <sub>E</sub> X support for Textures users	Gaulle	221
identkey	Typesetting bracketed dichotomous identification keys	White	528
idverb	Inline verbatim identifiers	Schrod	430
idxcmds	Semantic commands for adding formatted index entries	Niederberger	359
idxlayout	Configurable index layout, responsive to KOMA-Script and memoir	Titz	488
idxtex	An index processor	Aurbach, Hantelmann, Iani- gro	136
IEEEannot	A sorting version of IEEEtran.bst	Barik, Shell	139

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
IEEEconf	Macros for IEEE conference proceedings	Pakin	377
ieeepes	IEEE Power Engineering Society Transactions	Kuhlmann	300
IEEEtran	Document class for IEEE Transactions journals and conferences	Shell	439
ieeetrantools	Functionality from IEEEtran for use with other classes	Shell	439
IEEJtran	Unofficial bibliography style file for the Institute of Electrical Engineers of Japan	Ejiri	201
ietfbibs	Generate BibTeX entries for various IETF index files	Mortier	348
iexec	Execute shell commands and input their output	Bugayenko	163
ifacmtg	Elsevier Science preprint style for IFAC meetings	Pepping	384
ifallfalse	Compare a string against a set of other strings	Chen	174
ifdraft	Detect “draft” and “final” class options	Oberdiek	367
ifetex	Provides \ifetex switch	L <sup>A</sup> T <sub>E</sub> X Team, Scharrer	485
iffont	Conditionally load fonts with fontspec	Weiss	526
iflang	Expandable checks for the current language	Oberdiek	367
ifluatex	Provides the \ifluatex switch	L <sup>A</sup> T <sub>E</sub> X Team, Oberdiek	485
ifmslide	Presentation slides for screen and printouts	Emmel	202
ifmtarg	If-then-else command for processing potentially empty arguments	Robertson, Wilson	407
ifnextok	Utility macro: peek ahead without ignoring spaces	Lück	323
ifoddpage	Determine if the current page is odd or even	Scharrer	422
ifpdf	Provides the \ifpdf conditional	L <sup>A</sup> T <sub>E</sub> X Team, Oberdiek	485
ifplatform	Conditionals to test which platform is being used	Robertson, Große	406
ifptex	Check if the engine is pTeX or one of its derivatives	Yato	541
ifsym	A collection of symbols	Klößkl	286
iftex	Am I running under pdfTeX, XeTeX or LuaTeX?	L <sup>A</sup> T <sub>E</sub> X Team, Khalighi	485
ifthen	Conditional commands in L <sup>A</sup> T <sub>E</sub> X documents	Lamport, Carlisle, L <sup>A</sup> T <sub>E</sub> X Team	305
ifthenx	Extra tests for \ifthenelse	Jones	270
ifvtex	Detects use of VTeX and its facilities	L <sup>A</sup> T <sub>E</sub> X Team, Oberdiek	485
ifxetex	Am I running under XeTeX?	L <sup>A</sup> T <sub>E</sub> X Team, Robertson	485
ifxptex	Detect pTeX and its derivatives	Zhang	546
igo	Fonts and macro to typeset Go diagrams	Dupuis	198
item	Multiple level of lists in one list-like environment	Vitecek	514
ijc	International Journal of Control style	Balemi	137
ijcai89	Format papers for IJCAI 1989	Patel-Schneider	381
ijmart	L <sup>A</sup> T <sub>E</sub> X Class for the Israel Journal of Mathematics	Veytsman	510
ijqc	BibTeX style file for the Intl. J. Quantum Chem	Mathar	333
ijsra	L <sup>A</sup> T <sub>E</sub> X document class for the International Journal of Student Research in Archaeology	Bossert	156
imac	International Modal Analysis Conference format	Slater	445
image-gallery	Create an overview of pictures from a digital camera or from other sources	Niepraschk	360
imakeidx	A package for producing multiple indexes	Beccari, Gregorio	144
Imake-TeX	An Imake system for T <sub>E</sub> X	Klute	286
imfellEnglish	IM Fell English fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	475
imfellflowers	IM Fell Flower OpenType fonts	Tennent	475
impatient	Free edition of the book “TeX for the Impatient”	Abrahams, Hargreaves, Berry	126
imprnatypo	Support typography of l’Imprimerie Nationale Française	Pinson	388
import	Establish input relative to a directory	Arseneau	132
impose	PostScript imposition and support utilities	Grobgeld	236
imprintmtshadow	Support files for the Monotype Imprint Shadow fonts	Veytsman	510
imsproc	Typeset IMS conference proceedings	Khalighi, bidi-tex GitHub Organisation	278
IMTEKda	IMTEK thesis class	Dreher	195
incgraph	Sophisticated graphics inclusion in a PDF document	Sturm	460

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
includeRnw	Include .Rnw inside .tex	Storvik Strauman	459
includex	Extended \include	Swift	462
inconsolata	A monospaced font, with support files for use with T <sub>E</sub> X	Levien, Berry, Sharpe	312
indent	Environments that change margins	Unknown	498
indentfirst	Indent first paragraph after section header	Carlisle, L <sup>A</sup> T <sub>E</sub> X Team	171
index	Extended index for L <sup>A</sup> T <sub>E</sub> X including multiple indexes	Jones	270
indextools	Producing multiple indices	Rouquette	414
indic-type1	Indic Type 1 fonts converted from public Metafont sources	Piška	388
induni-om	Omega fonts for characters used in study of Sanskrit	Smith	446
indxcite	Generate author index based on citations	Ashton	135
infpic	Macros to insert pictures in paragraphs	Ulrych	494
infwarerr	Complete set of information/warning/error message macros	Oberdiek	367
inhyph	Hyphenation patterns for Bahasa Indonesia	Knappen, Mart	288
initials	Adobe Type 1 decorative initial fonts	Steffmann, Loreti	453
inkpaper	A mathematical paper template	Liang	313
inline-images	Inline images in base64 encoding	Wäckerlin	521
inlinebib	Citations in footnotes	Seindal	435
inlinedef	Inline expansions within definitions	Hicks	253
inlinelabel	Assign equation numbers to inline equations	Kusakabe	302
innerscript	Modifies automatic mathematics spacing	Kosowsky	296
inputenc	Accept different input encodings	Jeffrey, Mittelbach, L <sup>A</sup> T <sub>E</sub> X Team	268
inputenx	Enhanced input encoding handling	Oberdiek	367
inputfile	Input L <sup>A</sup> T <sub>E</sub> X files, remembering the file name	Tucci	492
inputnormalization	Wrapper for XeTeX's and LuaTeX's input normalization	Krüger	298
inputtrc	Trace which file loads which	Lück	323
inriafonts	Inria fonts with L <sup>A</sup> T <sub>E</sub> X support	Markey	332
instext	Extended Plain T <sub>E</sub> X for use with MLTeX	Ferguson	209
insbox	Insert pictures/boxes into paragraphs	Gulczynski	238
inscrutable	A response to Perl hackers' silliness	Greene	234
insdljs	Insert document-level JavaScript in L <sup>A</sup> T <sub>E</sub> X documents	Story	457
inslrmaj	Fonts based on the Insular Majuscule manuscript book-hand	Wilson	531
inslrmin	Fonts based on the Insular Minuscule manuscript book-hand	Wilson	531
Install-LaTeX-G...	A short introduction to L <sup>A</sup> T <sub>E</sub> X installation written in Chinese	Wang	524
installfont	A bash script for installing a L <sup>A</sup> T <sub>E</sub> X font family	Kleber	283
intcalc	Expandable arithmetic operations with integers	Oberdiek	367
inter	The inter font face with support for L <sup>A</sup> T <sub>E</sub> X, X <sub>Y</sub> L <sup>A</sup> T <sub>E</sub> X, and LuaLaTeX	Ebinger	199
interactiveanim...	Create PDF files with branching animations	González, Toro, Linares	228
interactiveplot	Provides an interface to create interactive 2D/3D functions inside a PDF file	Bock, Linares, Toro	152
interactivework...	LaTeX-based interactive PDF on the Web	Kuhn	300
interchar	Managing character class schemes in XeTeX	Hu	260
interfaces	Set parameters for other packages, conveniently	Chervet	176
interpol	Add interpolation to MetaPost graph package	Vieth	512
interpreter	Translate input files on the fly	Isambert, Robbers	263
interval	Format mathematical intervals, ensuring proper spacing	Madsen	329
intex	Support typesetting and indexing words and phrases	Ranage	397
intopdf	Embed non-PDF files into PDF with hyperlink	Krüger	298
intro-scientific	Introducing scientific/mathematical documents using L <sup>A</sup> T <sub>E</sub> X	Bennieston	148
inversepath	Calculate inverse file paths	Robertson	405
invertedparagraphs	Indented text with negative paragraph indentation	Unknown	498
invoice-class	Produces a standard US invoice from a CSV file	Munn	351
invoice	Generate invoices	Corff	182
invoice2	Intelligent invoices with L <sup>A</sup> T <sub>E</sub> X3	Dierl	191
iodhbw	Unofficial template of the DHBW Mannheim	Faltin	207

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
ionumbers	Restyle numbers in maths mode	Schneider	428
iopart-num	Numeric citation style for IOP journals	Caprio	167
ipa	L <sup>A</sup> T <sub>E</sub> X macros for using WSUIPA fonts	Roegel, Brodnik	409
ipaex-type1	IPAex fonts converted to Type-1 format Unicode subfonts	Yato	541
ipaex	IPA (Japanese) fonts	Information-technology Promotion Agency, Japan, Kitagawa, Preining	262
is-bst	Extended versions of standard BibTeX styles	Beebe	145
iscram	A L <sup>A</sup> T <sub>E</sub> X class to publish article to ISCRAM conferences	Gaborit	220
isf	Access italic computer modern sans in L <sup>A</sup> T <sub>E</sub> X 2.09	Greenwade	234
ishyph	Hyphenation patterns for Icelandic	Pind	388
isi2bib-vim	Vim script to convert bib database from ISI to BibTeX format	Thakkar	478
isi2bibtex	Converter for ISI to BibTeX	Lee	308
ISO-TeX	Display (La)TeX accented letters in GNU Emacs	Neugebauer	357
iso	Generic ISO standards typesetting macros	Wilson	531
iso10303	Typesetting the STEP standards	Wilson	531
iso209	A document style for ISO standards	North	362
isodate	Tune the output format of dates according to language	Harders	244
isodoc	A L <sup>A</sup> T <sub>E</sub> X class for typesetting letters and invoices	Dekker	188
isolatin1	An obsolete means to use ISO 8859-1 with T <sub>E</sub> X	Unknown	498
isomath	Mathematics style for science and technology	Milde	342
isonums	Display numbers in maths mode according to ISO 31-0	Vöth, Rivera	507
isopt	Writing a T <sub>E</sub> X length with a space between number and unit	Voß	516
isorot	Rotation of document elements	Wilson	531
isotope	A package for typesetting isotopes	Bauke	141
ispell	Multi-platform spell checker	Atkinson	135
issuulinks	Produce external links instead of internal ones	Veytsman	510
ist21	Title page for the old BSI IST/21 committee	Unknown	498
istgame	Draw Game Trees with TikZ	Cho	178
ital	Automatic italic correction	Bernstein	149
italic	Automatic italic correction for italic and slanted text	Goatley	227
iTe	Interactive T <sub>E</sub> X editor	Kühn	300
ithyph	Hyphenation patterns for the Italian language	Beccari	143
itnumpar	Spell numbers in words (Italian)	Gregorio	235
itrans-processor	Transliteration of Indian Languages	Chopde	178
ivd2dvi	Convert IVD-DVI files to DVI	Denenberg	189
iwhdp	Halle Institute for Economic Research (IWH) Discussion Papers	Ehrenfeld	200
iwona	A two-element sans-serif font	Nowacki	363
izhitsa	Support for the old Russian font "Izhitsa"	Motygin	349
<b>JJJJ</b>			
jablantile	Metafont version of tiles in the style of Slavik Jablan	Knuth	289
jabref	Graphical frontend to manage BibTeX databases	The JabRef Project, Kopp, Alver, Batada	480
jacow	A class for submissions to the proceedings of conferences on JA-CoW.org	Schaa	421
jadetex	Macros supporting Jade DSSSL output	Rahtz, Castle	396
jamtimes	Expanded Times Roman fonts	Veytsman	510
japanese-mathfo...	Compiling basic math formulas in Japanese using LuaLaTeX	Unknown	499
japanese-otf-uptex	Support for Japanese OTF files in upLaTeX	Tanaka, Preining, Japanese T <sub>E</sub> X Team	471
japanese-otf	Advanced font selection for platex and its friends	Preining, Japanese T <sub>E</sub> X Team, Tanaka	391
jas99	BibTeX style for American Meteorological Society (AMS)	Moran, Flatau	347
jas99_m	BibTeX style for American Meteorological Society (AMS)	Furue	219
jasthesis	A 'standard' thesis class	Shepherd	440

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
JavaBib	A BibTeX file manager written in Java	Unknown	499
javadoc	Documenting source code	Kiesel	280
javaDVI	DVI viewer and printer coded in Java	Hurt	261
javascript_TeXed	Small MikTeX-editor for Win32 Intel platform	Yasko	539
javatex	A Java implementation of TeX	Murphy	353
jbact	BibTeX style for biology journals	Schneider	429
JBibtexManager	Managing citations in BibTeX format	Batada	140
jcc	BibTeX style file for J. Comp. Chem	Hill, Cervellino	253
jeep	Modified L <sup>A</sup> T <sub>E</sub> X2.09 article and report styles	Stewart	454
jeopardy	Build a jeopardy game in L <sup>A</sup> T <sub>E</sub> X	Mařík	332
JeuxCartes	Macros to insert playing cards	Pierquet	386
jflap2tikz	Convert JFlap file into a L <sup>A</sup> T <sub>E</sub> X file depicting the automaton using TikZ	Mertz	340
jfmutil	Utility to process pTeX-extended TFM and VF	Yato	541
jfontmaps	Font maps and configuration tools for Japanese fonts	Preining	391
jhep	Class for JHEP	Nesti	356
jIEEEtran	Unofficial L BibTeX style for citing Japanese articles in IEEE format	Ejiri	201
jigsaw	Draw jigsaw pieces with TikZ	Unknown	499
jj-game	A L <sup>A</sup> T <sub>E</sub> X class to construct Jeopardy-like games	Story	457
jkmath	Macros for mathematics that make the code more readable	Kaerts	272
jknappen	Miscellaneous packages by Joerg Knappen	Knappen	287
jkthesis	Document class for formatting a thesis	Küpper	301
jlabels	Make letter-sized pages of labels	Tartir	471
jlm	Jörg's L <sup>A</sup> T <sub>E</sub> X Mode - an advanced L <sup>A</sup> T <sub>E</sub> X mode for Jed	Sommer	447
jlreq-deluxe	Multi-weight Japanese font support for the jlreq class	Morimi	348
jlreq	Japanese document class based on requirements for Japanese text layout	Abe	126
jmakedfx	A Java interface to Ghostscript to convert PDF to PDF/X	Talbot	469
jmb	BibTeX style for the Journal of Theoretical Biology	Schneider	429
jmlr	Class files for the Journal of Machine Learning Research	Talbot	469
jmsdelim	A package for compositional delimiter sizing	Sterling	454
jneurosci	BibTeX style for the Journal of Neuroscience	Hennig	251
jnuexam	Exam class for Jinan University	Lyu	327
jobname-suffix	Compile differently based on the filename	Siefken	442
josefin	Josefin fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	475
jourcl	Cover letter for journal submissions	Kukovec	301
joy-of-tex	User documentation for the AMS-TeX macro collection	The AMS	480
jpeg2ps-os2	JPEG to PostScript converter for OS/2	Niepraschk, Deutscher	361
jpeg2ps	Convert JPEG files to PostScript Level 2 or 3 EPS	Merz	340
jphysiol	BibTeX style for the Journal of Physiology	Hennig	251
JPicEdt	A graphical editor generating L <sup>A</sup> T <sub>E</sub> X commands	Reynal, Belaïche	402
jpneduenumerate	Enumerative expressions in Japanese education	Kusakabe	302
jpnedumathsymbols	Mathematical equation representation in Japanese education	Kusakabe	302
jpsj	Document Class for Journal of the Physical Society of Japan	Kuwabara	302
jqt1999	Journal of Quality Technology BibTeX format	Forrest	215
js-misc	Miscellaneous macros from Joachim Schrod	Schrod	430
jsclasses	Classes tailored for use with Japanese	Okumura, Japanese TeX Team	372
jslectureplanner	Creation and management of university course material	Spitzmüller	449
jspell	An ASCII file spelling checker	Jeong	268
jtb	BibTeX style for Journal of Theoretical Biology	Rogers	410
jtbnew	BibTeX style for Journal of Theoretical Biology	Robbers	404
jumplines	Articles with teasers and continuation later on	Hupfer	261
junicode	A TrueType font for mediaevalists	Baker	137
jupynotex	Include whole or partial Jupyter notebooks in L <sup>A</sup> T <sub>E</sub> X documents	Batista	141
jura	A document class for German legal texts	Braun	158



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
juraabbrev	Abbreviations for typesetting (German) juridical documents	Wartenburger	524
jurabib	Extended BibTeX citation support for the humanities and legal texts	Berger	148
juramisc	Typesetting German juridical documents	Sodtalters	447
jurarsp	Citations of judgements and official documents in (German) juridical documents	Wartenburger	524
JustFontItT <small>E</small>	JustFontIt T <small>E</small> X Edition	Kostin	296
jvlisting	A replacement for L <small>A</small> T <small>E</small> X's verbatim package	Voss	521
jwjournal	A personal class for writing journals	XU	537
<b>KKKKK</b>			
kalendarium	Print dates according to the classical Latin calendar	Smith	445
kalender-209	Produce page-per-day calendars	Schrell	429
kalender	Create a calendar, in German	Söhner	447
kanaparser	Kana parser for LuaT <small>E</small> X	Zahumensky	543
kanbun	Typeset kanbun-kundoku with support for kanbun annotation	Chen	175
kantlipsum	Generate sentences in Kant's style	Gregorio	235
karnaugh-map	L <small>A</small> T <small>E</small> X package for drawing karnaugh maps with up to 6 variables	Jacobsson	266
karnaugh	Typeset Karnaugh-Veitch-maps	Wieland	528
karnaughmap	Typeset Karnaugh maps	Michael	341
karta	Cartographic signs	Unknown	499
kaytannollista-...	Practical manual for L <small>A</small> T <small>E</small> X (Finnish)	Likonen	314
kblocks	Easily typeset Control Block Diagrams and Signal Flow Graphs	Somefun	447
kbordermatrix	L <small>A</small> T <small>E</small> X version of \bordermatrix	Border	155
kdgdocs	Document classes for Karel de Grote University College	Levrie, Daems	312
kdgreek	Greek fonts and macros	Dryllerakis	196
kdpcover	Covers for books published by Kindle Direct Publishing	Bugayenko	163
kelly-greek-font	Simple fonts for Greek	Hamilton Kelly	276
kerkis	Kerkis (Greek) font family	Tsolomitis	492
kerntest	Print tables and generate control files to adjust kernings	Harders	244
ketcindy	Creating graphics for T <small>E</small> X using Cinderella	Takato	465
keycommand	Simple creation of commands with key-value arguments	Chervet	176
keyfloat	Provides a key/value interface for generating floats	Dunn	197
keyindex	Index entries by key lookup	Zach	542
keyparse	Key based parser	Rogard	410
keyreader	A robust interface to xkeyval	Musa	353
keystroke	Graphical representation of keys on keyboard	Niepraschk	360
keyval	Process 'key=value' schemes	Carlisle, L <small>A</small> T <small>E</small> X Team	171
keyval2e	A lightweight and robust key-value parser	Musa	353
keyvaltable	Re-usable table layouts separating content and presentation	Grewe	236
kfupm-math-exam	A L <small>A</small> T <small>E</small> X document style to produce homework, quiz and exam papers	Alshahrani	130
kile	A user friendly T <small>E</small> X/L <small>A</small> T <small>E</small> X editor for KDE	Wijnhout, Brachet	529
kinematikz	Design kinematic chains and mechanisms	Santos	420
kix	Typeset KIX codes	Stoks	455
KIXfont	A font for KIX codes	van Rein	400
klinz	A Klingon font	Wünsch	536
kmrhyph	Hyphenation patterns for Kurmanji, T1 encoded	Knappen	287
knit	Tangle and weave with multiple change files	Appelt	131
knitting	Produce knitting charts, in Plain T <small>E</small> X or L <small>A</small> T <small>E</small> X	Barton	140
knittingpattern	Create knitting patterns	Griffiths	236
knot	A Celtic knotwork font	Jaquina	267
knowledge	Displaying, hyperlinking, and indexing notions in a document	Colcombet	181
knst	Multiple-guess tests	Saludes	419
knuth-base	The current state of Knuth's contributions	Knuth	289
knuth-dist	The current state of Knuth's contributions	Knuth	289
knuth-errata	Knuth's published errata	Knuth	289
knuth-hint	HINT collection of typeset C/WEB sources in T <small>E</small> X Live	Scherer	424

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knuth-letter	Knuth's example letter macros	Knuth	289
knuth-lib	Core T <sub>E</sub> X and Metafont sources from Knuth	Knuth	289
knuth-local	Knuth's local information	Knuth	290
knuth-pdf	PDF collection of typeset C/WEB sources in T <sub>E</sub> X Live	Scherer	424
koi8	KOI-8 input support	Blumenthal	152
koma-moderncvcl...	Makes the style and command of moderncv (style classic) available for koma-classes and thus compatible with BibLaTeX	Södergran	447
koma-script-exa...	Examples from the 3rd edition of the KOMA-Script book	Kohm	292
koma-script-exa...	Examples from the 4th edition of the KOMA-Script book	Kohm	292
koma-script-exa...	Examples from the 5th edition of the KOMA-Script book	Kohm	292
koma-script-exa...	Examples from the KOMA-Script book	Kohm	292
koma-script-obs...	Deprecated packages from koma-script	Kohm	293
koma-script-sfs	Koma-script letter class option for Finnish	Väisänen	505
koma-script	A bundle of versatile classes and packages	Kohm	292
komacv-rg	L <sup>A</sup> T <sub>E</sub> X packages that aid in creating CVs based on the komacv class and creating related documents	Grewe	236
komacv	Typesetting a beautiful CV with various style options	Södergran	447
konwerter	A program for automatic numbering of compounds in chemical publications	Wawrzyniak	525
KorigamiK	Typeset articles using KorigamiK's document class	Lakhwani	304
kotex-oblivoir	A L <sup>A</sup> T <sub>E</sub> X document class for typesetting Korean documents	Lee, Kim	308
kotex-plain	Macros for typesetting Korean under Plain T <sub>E</sub> X	Lee	308
kotex-utf	Typeset Hangul, coded in UTF-8	Lee	308
kotex-utils	Utility scripts and support files for typesetting Korean	Lee	308
kpathsea	Path searching library for T <sub>E</sub> X-related files	T <sub>E</sub> XLive, Weber	480
kpfonts-otf	OTF version of the Kp-fonts	Flipo	213
kpfonts	A complete set of fonts for text and mathematics	Caignaert	166
ksfh-nat	BibTeX style for KSFH Munich	Bilger	150
ksp-thesis	A L <sup>A</sup> T <sub>E</sub> X class for theses published with KIT Scientific Publishing	Heinze	248
KTeXShell	Graphical frontend to T <sub>E</sub> X	Fischer	212
ktv-texdata	Extract subsets of documents	Huynh	262
ku-template	Copenhagen University or faculty logo for front page	Pedersen	383
kurdishlipsum	A 'lipsum' package for the Kurdish language	Jund	272
kurier	A two-element sans-serif typeface	Nowacki	363
kuvio	Drawing macros and fonts for diagrams	Svensson	461
kvdefinekeys	Define keys for use in the kvsetkeys package	Oberdiek	367
kvmap	Create Karnaugh maps with L <sup>A</sup> T <sub>E</sub> X	Frank	216
kvoptions	Key value format for package options	Oberdiek	367
kvsetkeys	Key value parser with default handler support	Oberdiek	367
<b>LLLL</b>			
l2a	L <sup>A</sup> T <sub>E</sub> X to ASCII	Hannemyr	242
l2picfaq	L <sup>A</sup> T <sub>E</sub> X pictures "how-to" (German)	Bischoff	151
l2tabu-english	English translation of "Obsolete packages and commands"	Trettin, Fenn	491
l2tabu-french	French translation of l2tabu	Alfonsi, Henel	129
l2tabu-italian	Italian Translation of Obsolete packages and commands	Zannarini, Sacchetto	544
l2tabu-spanish	Spanish translation of "Obsolete packages and commands"	Trettin, Medina Arellano	490
l2tabu	Obsolete packages and commands	Ensenbach, Trettin	203
l2x	L <sup>A</sup> T <sub>E</sub> X to ASCII	Schulzrinne	432
l3backend	LaTeX3 backend drivers	L <sup>A</sup> T <sub>E</sub> X Team	482
l3build	A testing and building system for (La)TeX	L <sup>A</sup> T <sub>E</sub> X Team	482
l3docstrip	Strip documentation in L <sup>A</sup> T <sub>E</sub> X3 source	L <sup>A</sup> T <sub>E</sub> X Team	482
l3experimental	Experimental L <sup>A</sup> T <sub>E</sub> X3 concepts	L <sup>A</sup> T <sub>E</sub> X Team	482
l3kernel	LaTeX3 programming conventions	L <sup>A</sup> T <sub>E</sub> X Team	482
l3keys2e	LaTeX2e option processing using L <sup>A</sup> T <sub>E</sub> X3 keys	L <sup>A</sup> T <sub>E</sub> X Team	482
l3packages	High-level L <sup>A</sup> T <sub>E</sub> X3 concepts	L <sup>A</sup> T <sub>E</sub> X Team	482

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l3regex	Regular expression facilities for L <sup>A</sup> T <sub>E</sub> X	L <sup>A</sup> T <sub>E</sub> X Team	483
la	School handwriting fonts	Heuer	252
laansort	Sorting within T <sub>E</sub> X	van der Laan	303
labbook	Typeset laboratory journals	Küster	302
label-pln	Print address labels in three columns	Unknown	499
labelcas	Check the existence of labels, and fork accordingly	Diez	191
labelfig	Label L <sup>A</sup> T <sub>E</sub> X 2.09 figures included in documents	Siebenmann	442
labelmac3	Print Avery 5160 labels for laser printers	Rao	397
labelmag	Manage a collection of labels	Willadt	529
labels	Print sheets of sticky labels	Gilbey, Rahtz, Gustafson	224
labels4easylist	Add reference labels to easylist items	Paciorek	375
labelschanged	Identify labels which cause endless “may have changed” warnings	Dunn	197
lablst-pkg	List names of labels in a document	Karney	274
labtex	Label diagrams produced in Metafont	Hoenig	254
labyrinth	Draw labyrinths and solution paths	Zigliotto	547
lacheck	L <sup>A</sup> T <sub>E</sub> X checker	Thorup, Abrahamsen, T <sub>E</sub> XLive	487
ladder	Draw simple ladder diagrams using TikZ	Cadiou	166
lahyph	Hyphenation patterns for the Latin language	Beccari	143
laletter	Los Alamos letter style	Sydoriak	462
lambda-lists	Lists in T <sub>E</sub> X’s mouth	Jeffrey	267
lambdax	Use Lambda expression within L <sup>A</sup> T <sub>E</sub> X	Rogard	410
lamemo	Memo style as used at Los Alamos	Sydoriak	462
lametex	A PostScript translator for a subset of L <sup>A</sup> T <sub>E</sub> X	Monsarrat	346
lamstex-index	Index processor for LamsTeX	Spivak	449
LamsTeX	A merge of the best in AMS-TeX and L <sup>A</sup> T <sub>E</sub> X	Spivak	449
landscape	Set up for typesetting in landscape	Hosek	258
langcode	Simple language-dependent settings based on language codes	Lück	323
langnames	Name languages and their genetic affiliations consistently	García Matarredona, Un- known	333
langsci-affilia...	Collect and order authors and affiliations	Kopecky	295
langsci-avm	Feature structures and attribute-value matrices (AVM)	Kopecky	295
langsci	Typeset books for publication with Language Science Press	Nordhoff	362
lapdf	PDF drawing directly in T <sub>E</sub> X documents	Reimers	400
laps	Zero-width boxes for annotations, etc	Unknown	499
lastbib	Record the number of citations in a document	Tuleuov	493
lastpackage	Indicates the last loaded package	Pospiech	391
lastpage	Reference last page for Page N of M type footers	Münch, Goldberg	351
LaTable	A near-WYSIWYG editor for L <sup>A</sup> T <sub>E</sub> X tables	Denisov	189
lated	Graphical L <sup>A</sup> T <sub>E</sub> X picture editor	Ressler	402
latex-amsmath-dev	Development pre-release of the L <sup>A</sup> T <sub>E</sub> X amsmath bundle	L <sup>A</sup> T <sub>E</sub> X Team	483
latex-amsmath	AMS mathematical facilities for L <sup>A</sup> T <sub>E</sub> X	L <sup>A</sup> T <sub>E</sub> X Team	483
latex-base-dev	Development pre-release of the L <sup>A</sup> T <sub>E</sub> X kernel	L <sup>A</sup> T <sub>E</sub> X Team	483
latex-base	Base sources of L <sup>A</sup> T <sub>E</sub> X	L <sup>A</sup> T <sub>E</sub> X Team, Mittelbach	485
latex-bib-ex	Examples for the book Bibliografien mit L <sup>A</sup> T <sub>E</sub> X	Voß	516
latex-bib2-ex	Examples for the book Bibliografien mit L <sup>A</sup> T <sub>E</sub> X	Voß	517
latex-bnf	L <sup>A</sup> T <sub>E</sub> X macros for typing BNF specifications	Osborne	375
LaTeX-brochure	A publicity flyer for L <sup>A</sup> T <sub>E</sub> X	Flynn	215
latex-context-p...	Legacy stub to allow loading pictex as m-pictex	Carlisle	168
latex-course	A L <sup>A</sup> T <sub>E</sub> X course as a projected presentation	Buxbaum	166
cyrillic	Support for Cyrillic fonts in L <sup>A</sup> T <sub>E</sub> X	L <sup>A</sup> T <sub>E</sub> X Team	482
latex-doc-ptr	A direction-finder for L <sup>A</sup> T <sub>E</sub> X resources available online	Hefferon, Pégourié- Gonnard, Berry	247
latex-doc	Documentation supplied as part of the L <sup>A</sup> T <sub>E</sub> X distribution	L <sup>A</sup> T <sub>E</sub> X Team	483
latex-errata	Errata for the L <sup>A</sup> T <sub>E</sub> X Manual	Lamport	304

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
latex-essential	Essential information for writing L <sup>A</sup> T <sub>E</sub> X documents	Warbrick, Rivera	524
latex-firstaid-dev	Development pre-release of the L <sup>A</sup> T <sub>E</sub> X firstaid package	L <sup>A</sup> T <sub>E</sub> X Team	483
latex-firstaid	First aid for external L <sup>A</sup> T <sub>E</sub> X files and packages that need updating	L <sup>A</sup> T <sub>E</sub> X Team	483
latex-fonts	A collection of fonts used in L <sup>A</sup> T <sub>E</sub> X distributions	Knuth, Lamport, MacKay, Schwartz, Melliar-Smith	291
latex-for-under...	A tutorial aimed at introducing undergraduate students to L <sup>A</sup> T <sub>E</sub> X	Lounsbury	321
latex-git-log	Typeset git log information	Schneider	428
latex-graphics-dev	Development pre-release of the L <sup>A</sup> T <sub>E</sub> X graphics bundle	L <sup>A</sup> T <sub>E</sub> X Team	483
latex-graphics	The L <sup>A</sup> T <sub>E</sub> X standard graphics bundle	L <sup>A</sup> T <sub>E</sub> X Team	483
latex-hlp	A VMS help file for L <sup>A</sup> T <sub>E</sub> X 2.09	Greenwade	234
latex-info	Unofficial reference manual for L <sup>A</sup> T <sub>E</sub> X	Steffens, Greenwade	453
latex-lab-dev	L <sup>A</sup> T <sub>E</sub> X laboratory: Development pre-release	L <sup>A</sup> T <sub>E</sub> X Team	483
latex-lab	L <sup>A</sup> T <sub>E</sub> X laboratory	L <sup>A</sup> T <sub>E</sub> X Team	483
latex-make	Easy compiling of complex (and simple) L <sup>A</sup> T <sub>E</sub> X documents	Danjean	187
latex-mr	A practical guide to L <sup>A</sup> T <sub>E</sub> X and Polyglossia for Marathi and other Indian languages	Holkar	257
latex-notes-zh-cn	Chinese Introduction to T <sub>E</sub> X and L <sup>A</sup> T <sub>E</sub> X	Huang	260
latex-papersize	Calculate L <sup>A</sup> T <sub>E</sub> X settings for any font and paper size	Brown	161
latex-pro-pragm...	L <sup>A</sup> T <sub>E</sub> X for pragmatists	Satrapa	420
LaTeX-Referenz	Examples from the book "L <sup>A</sup> T <sub>E</sub> X Referenz"	Voß	517
latex-refsheet	L <sup>A</sup> T <sub>E</sub> X Reference Sheet for a thesis with KOMA-Script	Lammarsch, Schubert	304
latex-sciences-...	(Xe)L <sup>A</sup> T <sub>E</sub> X Appliqué aux sciences humaines	Rouquette	415
latex-tabellen	L <sup>A</sup> T <sub>E</sub> X Tabellen	Voß	517
LaTeX-tds	A structured copy of the L <sup>A</sup> T <sub>E</sub> X distribution	Oberdiek	367
latex-tools-dev	Development pre-release of the L <sup>A</sup> T <sub>E</sub> X tools bundle	L <sup>A</sup> T <sub>E</sub> X Team	484
latex-tools	The L <sup>A</sup> T <sub>E</sub> X standard tools bundle	L <sup>A</sup> T <sub>E</sub> X Team	483
latex-uni8	Universal inputenc, fontenc, and babel for pdfL <sup>A</sup> T <sub>E</sub> X and LuaLaTeX	Szabó	465
LaTeX-veryshort...	The Very Short Guide to L <sup>A</sup> T <sub>E</sub> X	Flynn	215
latex-via-exemplos	A L <sup>A</sup> T <sub>E</sub> X course written in brazilian portuguese language	Massago	333
latex	A T <sub>E</sub> X macro package that defines L <sup>A</sup> T <sub>E</sub> X	L <sup>A</sup> T <sub>E</sub> X Team, Lamport	485
latex209	Old, unsupported, L <sup>A</sup> T <sub>E</sub> X	Lamport	304
latex2e-help-te...	A French translation of "latex2e-help-texinfo"	Belaïche	147
latex2e-help-te...	Unofficial reference manual covering L <sup>A</sup> T <sub>E</sub> X2e	Berry, Martinsen, Greenwade, Gilmore, Hefferon	149
latex2e-reference	A reference for L <sup>A</sup> T <sub>E</sub> X in HTML	Dietze	191
latex2html	Convert L <sup>A</sup> T <sub>E</sub> X into HTML documents	Drakos, Moore, Gildea, de Souza, Stigge	194
latex2man	Translate L <sup>A</sup> T <sub>E</sub> X-based manual pages into Unix man format	Vollmer	514
Latex2Nemeth	Convert L <sup>A</sup> T <sub>E</sub> X source to Braille with math in Nemeth	Papasalouros, Tsolomitis	380
latex2rtf	Convert L <sup>A</sup> T <sub>E</sub> X into Rich Text Format	Hennings, Dorner, Granzer	251
latex4jed	A much enhanced L <sup>A</sup> T <sub>E</sub> X mode for the Jed editor	Gonzato	228
LaTeX4Musicians	A guide for combining L <sup>A</sup> T <sub>E</sub> X and music	Gonzato	228
latex4wp-it	L <sup>A</sup> T <sub>E</sub> X guide for word processor users, in Italian	Gonzato	228
latex4wp	A L <sup>A</sup> T <sub>E</sub> X guide specifically designed for word processor users	Gonzato	228
latexalpha2	Embed Mathematica code and plots into L <sup>A</sup> T <sub>E</sub> X	Liu	315
latexbangla	Enhanced L <sup>A</sup> T <sub>E</sub> X integration for Bangla	Hasan	246
latexbug	Bug-classification for L <sup>A</sup> T <sub>E</sub> X related bugs	L <sup>A</sup> T <sub>E</sub> X Team	484
latexcad	A CAD drawing package	Leis	310
latexcheat-de	A L <sup>A</sup> T <sub>E</sub> X cheat sheet, in German	Schwindt	433
latexcheat-esmx	A L <sup>A</sup> T <sub>E</sub> X cheat sheet, in Spanish	Rivera, Chang	404
latexcheat-ptbr	A L <sup>A</sup> T <sub>E</sub> X cheat sheet, in Brazilian Portuguese	Granja, Chang	232
latexcheat	A L <sup>A</sup> T <sub>E</sub> X cheat sheet	Chang	173
latexcolors	Use color definitions from latexcolor.com	Plüss	389
latexcount	Perl script to count words of L <sup>A</sup> T <sub>E</sub> X documents	Magnus	329
latexcourse-rug	A L <sup>A</sup> T <sub>E</sub> X course book	Kroonenberg	298

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LaTeXDB	Integrates LaTeX and SQL databases	Eßer	204
latexdemo	Demonstrate LaTeX code with its resulting output	Pospiech	391
latexdiff	Determine and mark up significant differences between LaTeX files	Tilman	487
latexdraw	CAD oriented drawing program	Siebert	442
latexfileinfo-pkgs	A comparison of packages showing LaTeX file information	Lück	323
latexfileversion	Prints the version and date of a LaTeX class or style file	Harders	244
LaTeXgit	A LaTeX git wrapper	Staps	452
latexindent	Indent a LaTeX document, highlighting the programming structure	Hughes	260
latexinfo	TeXinfo for LaTeX 2.09	Clarkson, Stallman	179
latexmake	LaTeX Makefile	McLean, Musliner, Sun	338
latexmk	Fully automated LaTeX document generation	Collins, McLean, Musliner	181
LaTeXMng	An integrated development environment for Windows	Vabishchevich	505
latexMP	Interface for LaTeX-based typesetting in MetaPost	Morawski	347
latexn	Run LaTeX as many times as needed	Collins	181
latexpand	Expand \input and \include in a LaTeX document	Moy, Musliner, Lovell	349
LaTeXPiX	LaTeX picture editor for Windows	van Beurden	150
latexrelease	LaTeX release emulation	LaTeX Team	484
LatexRender	Use LaTeX in PHP programs	Mayer, Zeiss	336
LaTeX-WIDE	Multifunctional editor for LaTeX	Lubenets	322
latexwizard	Create the header of a LaTeX document	Willadt	529
latin	Latin language definition for Babel	Beccari	143
latin1jk	Inputenc encoding for verbatim ISO 8859-1 use	Knappen	287
latin2jk	Inputenc encoding for verbatim ISO 8859-2 use	Knappen	287
latin3jk	Inputenc encoding for verbatim ISO 8859-3 use	Knappen	287
latino-sine-fle...	LaTeX support for documents written in Peano's Interlingua	Leve	312
lato	Lato font family and LaTeX support	El Morabity, Dziedzic	347
Layaureo	A package to improve the A4 page layout	Busdraghi	166
layout	View the layout of a document	McPherson, Braams, Umeki, LaTeX Team	338
layouts	Display various elements of a document's layout	Robertson, Wilson	407
lazylist	Lists in TeX's "mouth"	Jeffrey	267
lb2-examples	Examples from "Der LaTeX Begleiter"	Mittelbach	344
lccaps	Lowercased (spaced) small capitals	Giannotti	224
lcd	Alphanumeric LCD-style displays	Kaufmann	275
LCDF-typetools	A bundle of outline font manipulation tools	Kohler	291
lcg	Generate random integers	Janka	266
lcircuit	Circuit symbols for use in LaTeX picture mode	Johnstone	269
lcyw	Make Classic Cyrillic CM fonts accessible in LaTeX	Lidovski	314
ldiff	A script for marking the differences between two LaTeX files	Tsur	492
leading	Define leading with a length	Robertson	405
leadsheets	Typesetting leadsheets and songbooks	Niederberger	359
leaflet	Create small handouts (flyers)	Schmidt, Niepraschk, Gäßlein, Schlegelmilch	427
leawood	LaTeX support for use of ITC Leawood font family	Pakin	377
lebhart	Write your articles in a colorful way	XU	537
lecturer	On-screen presentations for (almost) all formats	Isambert	263
lectures	A document class for quickly drafting nice looking lecture notes	Cappelletti	167
lectureslides	Combine single PDF files into one file	Zhang	545
LEd	An environment for LaTeX document development	Deorowicz, Skorczynski	190
ledarab	Typeset scholarly editions in arabic	Wilson, Khalighi, Rouquette, bidi-tex GitHub Organisation	532
ledmac	Typeset scholarly editions	Wilson, Khalighi, Rouquette, bidi-tex GitHub Organisation	532



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
ledpar	Typeset scholarly editions in parallel texts	Wilson, Khalighi, Rouquette, bidi-tex GitHub Organisation	532
leftidx	Left and right subscripts and superscripts in math mode	Harders	244
leftindex	Left indices with better spacing	Ørsted	374
LEIletter	A letter class for Leiden University	Kreutzer	297
leipzig	Typeset and index linguistic gloss abbreviations	Weber	525
lengthconvert	Express lengths in arbitrary units	Daniel	187
letgut	Class for the newsletter “La Lettre GUTenberg” of the French T <sub>E</sub> X User Group GUTenberg	Association GUTenberg	135
letltxmacro	Let assignment for L <sup>A</sup> T <sub>E</sub> X macros	Oberdiek	367
letter-plain	Letter macros for Plain T <sub>E</sub> X	Unknown	499
letter	The standard L <sup>A</sup> T <sub>E</sub> X2e letter document class	Lamport, Mittelbach, Schöpf, L <sup>A</sup> T <sub>E</sub> X Team	305
letter1	Letter formatting macros	Unknown	499
lettergothic	The Adobe Type 1 font family Letter GothicType	URW GmbH, Schmidt, Harcombe	504
lettermac	Simple macros for writing letters (Plain T <sub>E</sub> X)	Smith	446
letterspacing	Letter spacing	Taylor	472
letterswitharrows	Draw arrows over math letters	Teegen	473
lettre	Letters and faxes in French	Mégevand, Belaïche	339
letrine	Typeset dropped capitals	Flipo	213
levy-font	Fonts for typesetting classical greek	Levy, Wujastyk, Wonneberger	313
levy-latex	Macros for using Silvio Levy’s Greek fonts	Dafferner	185
lewis	Draw Lewis structures	Horvath	258
lexend	The Lexend fonts for X <sub>Y</sub> -L <sup>A</sup> T <sub>E</sub> X and LuaL <sup>A</sup> T <sub>E</sub> X through fontspec	Schinko	424
lexikon	Macros for a two language dictionary	Kielhorn	279
lexitex	Footnote-style citations for law journals	Bennett	148
lexref	Convenient and uniform references to legal provisions	Vion	513
lextex	Typesetting legal documents using plain T <sub>E</sub> X	Horne	258
lfb	A Greek font with normal and bold variants	Field	210
lfonts-ams	Use AMS fonts as standard L <sup>A</sup> T <sub>E</sub> X 2.09 fonts	Fuchs	219
lgc-examples	Examples from The L <sup>A</sup> T <sub>E</sub> X Graphics Companion	Rahtz	395
lgc2-examples	Examples from The L <sup>A</sup> T <sub>E</sub> X Graphics Companion, second edition	Mittelbach, Rahtz	345
lgraph	A program to generate graphs	Podar	389
lgreek	L <sup>A</sup> T <sub>E</sub> X macros for using Silvio Levy’s Greek fonts	Murphy	353
lgrind	Produce beautiful listings of source code with L <sup>A</sup> T <sub>E</sub> X	Piefel	385
lgrmath	Use LGR-encoded fonts in math mode	Burnol	164
lgrx	Obsolete package for Greek in text	Milde	342
lh	Cyrillic fonts that support L <sup>A</sup> T <sub>E</sub> X standard encodings	Khodulev, Lapko, Berdnikov, Volovich	279
lhcyr	A non-standard Cyrillic input scheme	Zhytnikov	547
lhelp	Miscellaneous helper packages	Kuhlmann	300
libertine-legacy	Linux Libertine fonts for (La)TeX and pdf(La)TeX users	Tennent, Niedermair	478
libertine-type1	(pdf)L <sup>A</sup> T <sub>E</sub> X support for the Libertine family of fonts	Tennent	475
libertine	Use of Linux Libertine and Biolinum fonts with L <sup>A</sup> T <sub>E</sub> X	Tennent	475
libertinegc	Libertine add-on to support Greek and Cyrillic	Sharpe	437
libertineotf	Linux Libertine fonts for use with Lua(La)TeX and Xe(La)TeX	Gundlach, Niedermair	238
libertinus-fonts	The Libertinus font family	Hosny, MacIennan	259
libertinus-otf	Support for Libertinus OpenType	Voß	517
libertinus-type1	Support for using Libertinus fonts with L <sup>A</sup> T <sub>E</sub> X/pdfLaTeX	Tennent	475
libertinus	Wrapper to use the correct libertine package according to the used T <sub>E</sub> X engine	Voß	517
LibertinusT1Math	A Type 1 font and L <sup>A</sup> T <sub>E</sub> X support for Libertinus Math	Sharpe	437

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
libgreek	Greek letters in math mode from Libertinus or Linux Libertine/Biolinum	Burnol	164
librarian	Tools to create bibliographies in $\text{\TeX}$	Isambert	263
librebaskerville	The Libre Baskerville family of fonts with $\text{\LaTeX}$ support	Tennent	476
librebodoni	Libre Bodoni fonts with $\text{\LaTeX}$ support	Tennent	476
librecaslon	Libre Caslon fonts, with $\text{\LaTeX}$ support	Tennent	476
librefranklin	$\text{\LaTeX}$ support for the Libre-Franklin family of fonts	Tennent	476
libris	Libris ADF fonts, with $\text{\LaTeX}$ support	Harendal, Rees	245
lie-hasse	Draw Hasse diagrams	McKay	337
lifia-th	A thesis class for LIFIA, Grenoble	Pfister	385
liftarm	Draw liftarms	Floré	214
LigaTeX	Remove unnecessary ligatures	Killesreiter	281
Light LaTeX Make	llmk: A build tool for $\text{\LaTeX}$ documents	Asakura	135
ligtype	Comprehensive ligature suppression functionalities	Kelkel	276
lilyglyphs	Access lilypond fragments and glyphs, in $\text{\LaTeX}$	Liska	315
limap	Typeset maps and blocks according to the Information Mapping® method	Neugebauer	357
limecv	A (Xe/Lua) $\text{\LaTeX}$ document class for curriculum vitæ	Pieters	386
linearA	Linear A script fonts	Syropoulos	463
linearb	Linear B script used in the Bronze Age for Mycenaean Greek	Wilson	531
linebreaker	Prevent overflow boxes with LuaLaTeX	Hoftich	256
linegoal	A “dimen” that returns the space left on the line	Chervet	176
lineno	Line numbers on paragraphs	Böttcher, Lück, Wette	156
linenoamsmath	Use the lineno package together with amsmath	Wette	527
ling-macros	Macros for typesetting formal linguistics	McKenzie	338
lingtrees	Linguistics trees preprocessor and macros	Andrews	130
linguex	Format linguists’ examples	Sternefeld	454
linguisticspro	LinguisticsPro fonts with $\text{\LaTeX}$ support	Tennent	476
linop	Typeset linear operators as they appear in quantum theory or linear algebra	Weytjens	527
linsys	Typeset systems of linear equations	Kehowski	275
lintex	Tidy up after a $\text{\TeX}$ run	Loreti, Kavanagh	321
lion-msc	$\text{\LaTeX}$ class for B.Sc. and M.Sc. reports at Leiden Institute of Physics (LION)	de Dood	193
lips	Text ellipses in $\text{\LaTeX}$	Swift	462
lipsum	Easy access to the Lorem Ipsum and other dummy texts	Happel, Oleinik	242
lisp-on-tex	Execute LISP code in a $\text{\LaTeX}$ document	Shizuya	441
list	List ASCII text files	Knuth	290
listbib	Lists contents of BibTeX files	Kuhlmann	300
listing-pln	Almost-verbatim list programs	Toby	489
listing	Produce formatted program listings	Kuhlmann, Hebley	300
listings-ext	Automated input of source	Hoffman	255
listings	Typeset source code listings using $\text{\LaTeX}$	Hoffmann, Moses, Heinz	255
listingsutf8	Allow UTF-8 in listings input	Oberdiek	367
listlbls	Creates a list of all labels used throughout a document	Melzer	340
listliketab	Typeset lists as tables	Pakin	377
listofanswers	Provide a list of answers to mathematical problems	Ipanaqué	263
listofitems	Grab items in lists using user-specified sep char	Tellechea, Segletes	473
listofsymbols	Create and manipulate lists of symbols	Spreng	451
literate	A literate programming system, not tied to any language	Schrod	430
literaturnaya	The Literaturnaya family of fonts	ParaGraph International, Volovich, Malyarenko	380
lithuanian	Lithuanian language support	Tolušis	489
liturg	Support for typesetting Catholic liturgical texts	Goodman	229
ljmetrics	Metrics for Laserjet built-in fonts	Walsh	523

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
lkort	A short introduction to L <sup>A</sup> T <sub>E</sub> X, in Dutch	van Oostrum	374
LKproof	LK Proof figure macros	Tatsuta	471
llist	List ASCII text files in landscape	Knuth	290
llncs	Document class and bibliography style for Lecture Notes in Computer Science (LNCS)	Richter	402
llncs209	Macros for Springer books	Unknown	499
llncsconf	L <sup>A</sup> T <sub>E</sub> X package extending Springer's llncs class	Brucker	161
lm-math	OpenType maths fonts for Latin Modern	Jackowski, Pianowski, Strzelczyk	265
lm	Latin modern fonts in outline formats	Jackowski, Nowacki	264
lmacs	A simple package for including support files	Story	458
lmake	Process lists to do repetitive actions	Pan	379
lms	L <sup>A</sup> T <sub>E</sub> X 2.09 style for LMS journals	Garling, Mulvey, Woollatt	221
ln03dvi	DVI to LN03 driver	Thomas	486
lni	Official class for the "Lecture Notes in Informatics"	Sievers	442
lobster2	Lobster Two fonts, with support for all L <sup>A</sup> T <sub>E</sub> X engines	Tennent	476
locality	Various macros for keeping things local	Gross	236
localloc	Macros for localizing T <sub>E</sub> X register allocations	Raichle	396
logbox	e-TeX showbox facilities for exploration purposes	Chervet	176
logfilter	Choose what you want to see of a (La)TeX log	Graversen	233
loggates	A small font for logic gates, and L <sup>A</sup> T <sub>E</sub> X support	Verwer	509
logic	A font for electronic logic design	Simpson	444
logical-markup-...	Packages for language-dependent inline quotes and dashes	Maslowski	333
logicproof	Box proofs for propositional and predicate logic	Davidson	188
logicpuzzle	Typeset (grid-based) logic puzzles	Kleber	283
logix	Supplement to the Unicode math symbols	Finney	212
logpap	Generate logarithmic graph paper with L <sup>A</sup> T <sub>E</sub> X	Kaufmann	275
logreq	Support for automation of the L <sup>A</sup> T <sub>E</sub> X workflow	Lehman	309
logsys	Draw logarithmic coordinate systems	Hansen	242
lollipop	TeX made easy	Eijkhout, Khalighi, bidi-tex GitHub Organisation	201
longdiv	Long division arithmetic problems	Arseneau	133
longdivision	Typesets long division	Chatham	174
longfbox	Draw framed boxes with standard CSS attributes that can break over multiple pages	Leijen	310
longfigure	Provides a figure-like environment that break over pages	Arnold	132
longnamefilelist	Tidy \listfiles with long file names	Lück	323
longtable	Allow tables to flow over page boundaries	Carlisle, Kastrup, L <sup>A</sup> T <sub>E</sub> X Team	170
longtocline	Macros to produce a table of contents	Unknown	499
lookbibtex	Tools for examining BibTeX files	Heidemann	247
loops	General looping macros for use with L <sup>A</sup> T <sub>E</sub> X	Musa	354
losymbol	Defines a mechanism for producing a list of symbols	van Dooren	193
lout	An alternative typesetting system	Kingston	282
loval	Round-cornered framed boxes	Schalück	421
lparse	A Lua module for parsing key-value options	Friedrich	218
lpform	Typesetting linear programming formulations and sets of equations	Waltman	523
lpic	Put L <sup>A</sup> T <sub>E</sub> X material over included graphics	Matveev	335
lplfitch	Fitch-style natural deduction proofs	Zach	542
lps	Class for "Logic and Philosophy of Science"	Cevolani	173
lpw	A literate programming environment for Macs	Lindenberg	315
lroundrect	L <sup>A</sup> T <sub>E</sub> X macros for utilizing the roundrect MetaPost routines	Goodman	229
lsabon	Support files for the Linotype Sabon fonts	Veytsman	510
lsc	Typesetting Live Sequence Charts	Westphal	527
lscap	Place selected parts of a document in landscape	Carlisle, L <sup>A</sup> T <sub>E</sub> X Team	171

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
lshort-bulgarian	Bulgarian translation of the "Short Introduction to L <sup>A</sup> T <sub>E</sub> X 2 <sub>ε</sub> "	Karakoleva	273
lshort-czech	Czech translation of the "Short Introduction to L <sup>A</sup> T <sub>E</sub> X 2 <sub>ε</sub> "	Madr, Stríž, Oetiker	328
lshort-dutch	Introduction to L <sup>A</sup> T <sub>E</sub> X in Dutch	Becuwe, Windels, Oetiker	144
lshort-english	A (Not So) Short Introduction to L <sup>A</sup> T <sub>E</sub> X 2 <sub>ε</sub>	Oetiker	371
lshort-estonian	Estonian introduction to L <sup>A</sup> T <sub>E</sub> X	Palm	378
lshort-finnish	Finnish introduction to L <sup>A</sup> T <sub>E</sub> X	Hellgren	248
lshort-french	Short introduction to L <sup>A</sup> T <sub>E</sub> X, French translation	Colin, Pégourié-Gonnard, Oetiker	181
lshort-german	German version of A Short Introduction to L <sup>A</sup> T <sub>E</sub> X 2 <sub>ε</sub> : L <sup>A</sup> T <sub>E</sub> X 2 <sub>ε</sub> -Kurzbeschreibung	Schmidt, Gundlach, Daniel	425
lshort-italian	Introduction to L <sup>A</sup> T <sub>E</sub> X in Italian	GuIT (Gruppo Utilizzatori Italiani di TeX), Beccari, Bilotta	238
lshort-japanese	Japanese version of A Short Introduction to L <sup>A</sup> T <sub>E</sub> X 2 <sub>ε</sub>	Masataka	333
lshort-korean	Korean introduction to L <sup>A</sup> T <sub>E</sub> X	Kim, Cho	281
lshort-mongol	Short introduction to L <sup>A</sup> T <sub>E</sub> X, in Mongolian	Batumongke	141
lshort-mongolian	Short introduction to L <sup>A</sup> T <sub>E</sub> X 2.09, Mongolian translation	Dorj, Corff	193
lshort-persian	Persian (Farsi) introduction to L <sup>A</sup> T <sub>E</sub> X	Omidali, Oetiker	373
lshort-polish	Introduction to L <sup>A</sup> T <sub>E</sub> X in Polish	Golasz, Kubiak, Przechlewski, Serwin	227
lshort-portugue...	Introduction to L <sup>A</sup> T <sub>E</sub> X in Portuguese (Brazil)	Polli	390
lshort-portuguese	Introduction to L <sup>A</sup> T <sub>E</sub> X in Portuguese	Simões	443
lshort-russian	Russian introduction to L <sup>A</sup> T <sub>E</sub> X	Tobotras	488
lshort-slovak	Slovak introduction to L <sup>A</sup> T <sub>E</sub> X	Busa, Oetiker	165
lshort-slovenian	Slovenian translation of lshort	Plestenjak	389
lshort-spanish	Short introduction to L <sup>A</sup> T <sub>E</sub> X, Spanish translation	Carleos Artime, Rivera, Vela	135
lshort-thai	Introduction to L <sup>A</sup> T <sub>E</sub> X in Thai	Visavakul, Oetiker	513
lshort-turkish	Turkish introduction to L <sup>A</sup> T <sub>E</sub> X	Karaoglu, Oetiker	274
lshort-ukr	Ukrainian version of the L <sup>A</sup> T <sub>E</sub> X introduction	Polyakov	390
lshort-vietnamese	Vietnamese version of the L <sup>A</sup> T <sub>E</sub> X introduction	Nguyen	358
lshort-zh-cn	Introduction to L <sup>A</sup> T <sub>E</sub> X, in Chinese	Xing, Stuart, Zeng	537
lshort	A short introduction to L <sup>A</sup> T <sub>E</sub> X 2 <sub>ε</sub>	Oetiker	371
lstaddons	Add-on packages for listings: autogobble and line background	Scharrer	422
lstbayes	Listings language driver for Bayesian modeling languages	Arnold	132
lstfiracode	Use Fira Code font for listings	Zhang	545
lt3graph	Provide a graph datastructure for experimental L <sup>A</sup> T <sub>E</sub> X 3	Helvensteijn	249
lt3luabridge	Execute Lua code in any T <sub>E</sub> X engine that exposes the shell	Novotný	363
lt3rawobjects	Objects and proxies in L <sup>A</sup> T <sub>E</sub> X 3	De Donato	193
ltablex	Table package extensions	Goel	227
ltabptch	Bug fix for longtable	Lück	323
ltb2bib	Converts amsrefs' .ltb bibliographical databases to BibT <sub>E</sub> X format	Bartholdi	140
ltcaption	Fix some caption problems in longtables	Sommerfeldt	448
ltnews	The latest L <sup>A</sup> T <sub>E</sub> X news	Mittelbach, Rowley, L <sup>A</sup> T <sub>E</sub> X Team	345
ltoh	A converter from L <sup>A</sup> T <sub>E</sub> X to HTML	Quong	393
litt	Example code for "L <sup>A</sup> T <sub>E</sub> X Tipps und Tricks" book	Klöckl	286
ltx2mathml	Convert L <sup>A</sup> T <sub>E</sub> X math to MathML	Frane Jr	271
ltx2rtf	A conversion program from L <sup>A</sup> T <sub>E</sub> X to Rich Text Format	Dorner, Granzer, Taupin	193
ltx2x	Replace L <sup>A</sup> T <sub>E</sub> X commands in a document by user-defined strings	Wilson	531
ltx3pub	Early publications of the L <sup>A</sup> T <sub>E</sub> X project	Mittelbach, Rowley	345
ltx4yt	Play YouTube videos in the default browser	Story	458
ltxcmds	Some L <sup>A</sup> T <sub>E</sub> X kernel commands for general use	Oberdiek	367
ltxdiff	A Win32 program that compares tokens in two .tex files	Becker	144
ltxdoc	Class for documented L <sup>A</sup> T <sub>E</sub> X macro files	Carlisle, L <sup>A</sup> T <sub>E</sub> X Team	171
ltxdockit	Documentation support	Lehman	309

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
ltxfileinfo	Print version information for a L <sup>A</sup> T <sub>E</sub> X file	Dekker	188
ltxgrid	Control of the page grid	Ogawa	371
ltxguidex	An extended ltxguide class	Turner	493
ltximg	Extract L <sup>A</sup> T <sub>E</sub> X environments into separate image files	González Luengo	325
ltxindex	A L <sup>A</sup> T <sub>E</sub> X package to typeset indices with GNU's Texindex	Rivera	404
ltxinput	Find files input by a document	Green	234
ltxkeys	A robust key parser for L <sup>A</sup> T <sub>E</sub> X	Musa	354
ltxmisc	Miscellaneous L <sup>A</sup> T <sub>E</sub> X packages, etc	Unknown	499
ltxnew	A simple means of creating commands	Chervet	176
ltxtable	Longtable and tabularx merge	Carlisle	168
ltxtools	A collection of L <sup>A</sup> T <sub>E</sub> X API macros	Musa	354
ltxutil	L <sup>A</sup> T <sub>E</sub> X utility macros	Ogawa	371
lua-alt-getopt	Process application arguments the same way as getopt_long	Cheusov, Hosny	177
lua-check-hyphen	Mark hyphenations in a document, for checking	Gundlach	238
lua-physical	Functions and objects for the computation of physical quantities	Jenni	268
lua-typo	Highlighting typographical flaws with LuaLaTeX	Flipo	213
Lua-UCA	Unicode Collation Algorithm library for Lua	Hoftich	256
LuauL	Underlining for LuaLaTeX	Krüger	299
lua-uni-algos	Unicode algorithms for LuaTeX	Krüger	299
lua-visual-debug	Visual debugging with LuaLaTeX	Gundlach	238
lua-widow-control	Automatically remove widows and orphans from any document	Chernoff	175
lua2dox	Auto-documentation of lua code	Dales	186
luaaddplot	An extension to pgfplots' \addplot macro	Kotucha	296
luabibentry	Repeat BibTeX entries in a LuaL <sup>A</sup> T <sub>E</sub> X document body	Kopp	295
luabidi	Bidi functions for LuaTeX	Khalighi, Rosendahl, bidi- tex GitHub Organisation	279
luacas	A computer algebra system for users of LuaLaTeX	All, Cochrane	129
luacensor	Securely redact sensitive information using Lua	Granet	232
luacode	Helper for executing lua code from within T <sub>E</sub> X	Pégourié-Gonnard	383
luacolor	Color support based on LuaTeX's node attributes	Oberdiek	368
luacomplex	Operations on complex numbers inside L <sup>A</sup> T <sub>E</sub> X documents using Lua	Chetan Shirore and Ajit Kumar	177
luafindfont	Search fonts in the LuaTeX font database	Voß	517
luagcd	Computation of gcd of integers inside L <sup>A</sup> T <sub>E</sub> X using Lua	Chetan Shirore and Ajit Kumar	177
luahyphenrules	Loading patterns in LuaL <sup>A</sup> T <sub>E</sub> X with language.dat	Bezos López	317
luaimageembed	Embed images as base64-encoded strings	Sachs	419
luaindex	Create index using LuaLaTeX	Kohm	293
luainputenc	Replacing inputenc for use in LuaTeX	Roux, Pégourié-Gonnard	415
luaintro	Examples from the book "Einführung in LuaTeX und LuaLaTeX"	Voß	517
luakeys	A Lua module for parsing key-value options	Friedrich	218
lualatex-doc-de	Guide to LuaL <sup>A</sup> T <sub>E</sub> X (German translation)	Pégourié-Gonnard, Römer	383
lualatex-doc	A guide to use of L <sup>A</sup> T <sub>E</sub> X with LuaTeX	Pégourié-Gonnard	383
lualatex-math	Fixes for mathematics-related LuaL <sup>A</sup> T <sub>E</sub> X issues	Stephani	454
luaLaTeX-platform	Load platform-specific code into LuaTeX	Stephani	454
lualatex-truncate	A wrapper for using the truncate package with LuaLaTeX	Friedl	218
lualibs	Additional Lua functions for LuaTeX macro programmers	Roux, Gesang, L <sup>A</sup> T <sub>E</sub> X Team	415
lualinalg	A linear algebra package for L <sup>A</sup> T <sub>E</sub> X	Chetan Shirore and Ajit Kumar	177
luamathalign	More flexible alignment in amsmath environments	Krüger	299
luamaths	Provide standard mathematical operations inside L <sup>A</sup> T <sub>E</sub> X documents using Lua	Chetan Shirore and Ajit Kumar	177
luamesh	Computes and draws 2D Delaunay triangulation	Chupin	179
luamodulartables	Generate modular addition and multiplication tables	Chetan Shirore and Ajit Kumar	177



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
luamplib	Use LuaTeX's built-in MetaPost interpreter	Hagen, Hoekwater, Roux, Pégourié-Gonnard, Gesang, Kim	240
luaoptions	Option handling for Lua <sup>A</sup> T <sub>E</sub> X packages	Peron	384
luaotfload	OpenType 'loader' for Plain T <sub>E</sub> X and L <sup>A</sup> T <sub>E</sub> X	Roux, Hosny, Pégourié-Gonnard, Robertson, Gesang, L <sup>A</sup> T <sub>E</sub> X Team, Fischer, Krüger	415
luapackageloader	Allow LuaTeX to load external Lua packages	Jois	269
luaprogtable	Programmable table interface for LuaLaTeX	Xiang	537
luapstricks	A PStricks backend for LuaLaTeX	Krüger	299
luaquotes	Smart setting of quotation marks	Granet	232
luarandom	Create lists of random numbers	Voß	517
luaset	Set Operations inside L <sup>A</sup> T <sub>E</sub> X documents using Lua	Chetan Shirore and Ajit Kumar	177
luaseq	Drawing spectral sequences in LuaLaTeX	Bauer	141
luatex-def	LuaTeX option file for color and graphics	Carlisle, L <sup>A</sup> T <sub>E</sub> X Team	171
luatex-pkg	Basic definitions for LuaTeX	Oberdiek	368
luatex	The LuaTeX engine	The LuaTeX Team	481
luatex85	pdfTeX aliases for LuaTeX	Carlisle, Wright, L <sup>A</sup> T <sub>E</sub> X Team	171
luatexbase	Basic resource management for LuaTeX code	Pégourié-Gonnard, Gesang, Roux, Carlisle, Wright	383
luatexja	Typeset Japanese with Lua(La)TeX	Kitagawa	282
luatexko	Typeset Korean with Lua(La)TeX	Kim, Nam	281
luatextra	Additional macros for Plain T <sub>E</sub> X and L <sup>A</sup> T <sub>E</sub> X in LuaTeX	Roux, Pégourié-Gonnard	415
luatodonotes	Add editing annotations in a LuaL <sup>A</sup> T <sub>E</sub> X document	Lipp	315
luatruthtable	Generate truth tables of boolean values in LuaLaTeX	Chetan Shirore and Ajit Kumar	177
luavlna	Prevent line breaks after single letter words, units, or academic titles	Hoftich	256
luaxml	Lua library for reading and serialising XML files	Hoftich	256
lucida-otf	Support for the Lucida Bright fonts (OpenType)	Voß	517
lucida	Metrics, etc., for Lucida Bright and Lucida Math	Schmidt, Harcombe	426
lucidabr	PSNFSS support for Lucida Type 1 fonts	TUG Lucida Support Group	493
lucold	Use old-style digits with Lucida fonts	Loreti	321
lug	Create and edit T <sub>E</sub> X Local User Group web pages	Dekker	188
lutabulartools	Some useful LuaLaTeX-based tabular tools	Ewasiuk	204
LuxiMono	Free monospace fonts	Schmidt, Harcombe, Bigelow, Holmes	427
lwarp	Converts L <sup>A</sup> T <sub>E</sub> X to HTML	Dunn	197
lwc-examples	Examples from The L <sup>A</sup> T <sub>E</sub> X Web Companion	Rahtz	395
LXfonts	Set of slide fonts based on CM	Beccari	143
lxmail	A letter-generator that produces L <sup>A</sup> T <sub>E</sub> X output	Fasada	208
ly1	Support for LY1 L <sup>A</sup> T <sub>E</sub> X encoding	Carlisle, Schmidt, Berry	170
lyluatex	Commands to include lilypond scores within a (Lua)L <sup>A</sup> T <sub>E</sub> X document	Peron, The Gregorio Project	384
lyx	Document processor based on L <sup>A</sup> T <sub>E</sub> X	Ettrich	204
<b>MMMMM</b>			
m-pictex	Enable PicTeX to run with L <sup>A</sup> T <sub>E</sub> X	Burnus	165
M-Tx	A preprocessor for pmx	Tennent, Laurie	478
m3D	Extension of plain MetaPost for 3D graphics	Phan	385
maad	Mathematical Approximations and Documentation	Watson, Jr	246
mab2bib	Converter tools: MAB to BibTeX and UTF-8 to L <sup>A</sup> T <sub>E</sub> X ASCII	Ramm	397
macbibtex	BibTeX for the Macintosh	Darley	187
macfont	Convert Apple type 1 fonts for use under Windows	Walsh	523
macrolist	List operations for L <sup>A</sup> T <sub>E</sub> X2 <sub>ε</sub>	Chen	174

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
macros2e	A list of internal L <sup>A</sup> T <sub>E</sub> X2e macros	Scharrer	422
macroswap	Swap the definitions of two L <sup>A</sup> T <sub>E</sub> X macros	Lee	309
mactex-basic	A basic T <sub>E</sub> X distribution for the Macintosh	TUG TWG-MacTeX	493
mactex	The T <sub>E</sub> X Live Mac distribution	TUG TWG-MacTeX	493
mactextras	Extras for the MacTeX distribution	TUG TWG-MacTeX	493
mactotex	Convert "Macintosh PostScript" for use with T <sub>E</sub> X	Fedor	208
mafr	Mathematics in accord with French usage	Obrecht	371
magaz	Magazine layout	Arseneau	133
magic	A font to go with the Magic(TM) game	Dörntge	193
magicnum	Access T <sub>E</sub> X systems' "magic numbers"	Oberdiek	368
magicwatermark	An easy and flexible way to set watermarks	Guo	238
magra	The Magra font face with support for L <sup>A</sup> T <sub>E</sub> X and pdfLaTeX	Ebinger	199
mahjong	Typeset Mahjong Tiles using MPSZ Notation	Schmitz	428
mailing	Macros for mail merging	Braams	157
mailmerge	Repeating text field substitution	Frasson	217
make-env	Print USPS standard envelopes	Smith	446
make_latex	L <sup>A</sup> T <sub>E</sub> X Makefile	Beasley	142
make4ht	A build system for tex4ht	Hoftich	256
makebarcode	Print various kinds 2/5 and Code 39 bar codes	Wagner	522
makebase	Typeset counters in a different base	Flynn	215
makebox	Defines a \makebox* command	Harders	244
makecell	Tabular column heads and multilined cells	Lapko	306
MakeCirc	A MetaPost library for drawing electrical circuit diagrams	Bustamante Argañaraz	131
makecmds	The new \makecommand command always (re)defines a command	Robertson, Wilson	407
makecookbook	Make a Cookbook	Murphy, D'Amico	352
makedoc	Preprocessing documentation with T <sub>E</sub> X	Lück	323
makedtx	Perl script to help generate dtx and ins files	Talbot, Belaïche	470
makefonts	Shell scripts to generate bitmaps from Metafont sources	Kuhlmann	300
makeglos	Include a glossary into a document	Henlich	251
MakeGlossariesGUI	Java GUI alternative to makeglossaries script	Talbot	469
makeidx	Standard L <sup>A</sup> T <sub>E</sub> X package for creating indexes	L <sup>A</sup> T <sub>E</sub> X Team	484
makeindex	Process index output to produce typesettable code	Chen, Beebe	175
makeindexk	Makeindex development sources	Chen, T <sub>E</sub> XLive	175
makelabels	Add a \makelabels feature to KOMA-Script letter classes and package	Kohm	293
makeplot	Easy plots from Matlab in L <sup>A</sup> T <sub>E</sub> X	Vila-Forcén	513
makeprog	A literate system for T <sub>E</sub> X programming	Schrod	430
maker	Include Arduino or Processing code in L <sup>A</sup> T <sub>E</sub> X documents	Lagos Suárez	460
makerobust	Making a macro robust (legacy package)	Oberdiek	368
makerobust209	Make an existing L <sup>A</sup> T <sub>E</sub> X command robust	Carlisle	168
makeshape	Declare new PGF shapes	Robson	408
maketable	Convert Word or Excel tables to T <sub>E</sub> X tabular structures	Maier	330
Makor 2	Typeset pointed Hebrew using Omega	Hoenig	254
malayalam-latex	L <sup>A</sup> T <sub>E</sub> X for Malayalam	Alex	128
malayalam-obsolete	Fonts for typesetting Malayalam, with a pre-processor	Hellingman	248
malayalam-omega	Typesetting Malayalam using Omega	Alex	128
maltese	Support input in Maltese	Farrugia	208
malvern	A sans-serif font family	Cugley	185
mandel	Compute the Mandelbrot set	Unknown	499
mandi	Macros for introductory physics and astronomy	Heafner	246
manfnt	L <sup>A</sup> T <sub>E</sub> X support for the T <sub>E</sub> X book symbols	Kielhorn	280
manjutex	Manju language support	Corff	182
manpage	Man pages in L <sup>A</sup> T <sub>E</sub> X	Chen	175
manual	Knuth's "manual" fonts	Knuth, Hoekwater	291
manual209	A document style for manuals	Nieland	360
Manuscript	Emulate look of a document typed on a typewriter	Cepl	172

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
manyfoot	Adds footnote levels to standard L <sup>A</sup> T <sub>E</sub> X's footnote mechanism	Rozhenko	416
manyind	Provides support for many indexes	van der Kallen	273
mapcodes	Support for multiple character sets and encodings	Piotrowski	388
maple	Styles and examples for the MAPLE newsletter	Unknown	499
marathi	Typeset Marathi language using X <sub>Y</sub> L <sup>A</sup> T <sub>E</sub> X or LuaLaTeX	Unknown	499
Marcellus	Marcellus fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	476
margbib	Display bibitem tags in the margins	Tinnefeld	488
marginal	Extensions to \marginpar handling	Tolušis	489
marginfit	Improved margin notes	Leclaire	308
marginfix	Patch \marginpar to avoid overfull margins	Hicks	253
marginnote	Notes in the margin, even where \marginpar fails	Kohm	293
marginote	Make numbered notes in the margin	Greenwade	234
markdown	Converting and rendering markdown documents inside T <sub>E</sub> X	Novotný	363
marnote	Place text in the margin of a document	McCauley	336
marvosym	Martin Vogel's Symbols (marvosym) font	Henlich, Vogel, Miklavec	251
matapli	Class for the french journal "MATAPLI"	Chupin	179
matc3	Commands for MatematicaC3 textbooks	Vrettos	521
matc3mem	Class for MatematicaC3 textbooks	Vrettos	521
match_parens	Find mismatches of parentheses, braces, (angle) brackets, in texts	Dekker	188
math-e	Examples from the book Typesetting Mathematics with L <sup>A</sup> T <sub>E</sub> X	Voß	517
math-into-latex-4	Samples from Math into L <sup>A</sup> T <sub>E</sub> X, 4th Edition	Grätzer	232
mathabx-type1	Outline version of the mathabx fonts	Hotta	259
mathabx	Three series of mathematical symbols	Phan	385
mathalpha	General package for loading maths alphabets in L <sup>A</sup> T <sub>E</sub> X	Sharpe	437
mathalphabets	Chinese introduction to mathematical alphabets	Chao	173
mathastext	Use the text font in maths mode	Burnol	164
mathbbol	Use the bbold fonts in mathematics	Knappen	287
mathcmd	Mathematics support commands	Bosisio	155
mathcommand	\newcommand-like commands for defining math macros	Colcombet	181
mathcomp	Text symbols in maths mode	Böß	156
mathdesign	Mathematical fonts to fit with particular text fonts	Pichaureau	385
mathdots	Commands to produce dots in math that respect font size	Luecking	325
mathematica	Support for fonts distributed with Mathematica	Kuska	302
mathesatz-examples	Examples from the book "Mathematiksatze mit L <sup>A</sup> T <sub>E</sub> X"	Voß	517
mathexam	Package for typesetting exams	Hlavacek	254
mathfam256	Extend math family up to 256 for pLaTeX/upLaTeX/Lamed	Yamashita	538
mathfixs	Fix various layout issues in math mode	Beisert	146
mathfont	Use TrueType and OpenType fonts in math mode	Kosowsky	296
mathg1fg	Support for Microsoft Georgia and ITC Franklin Gothic	Veytsman	510
mathinst	Merge font families to create mathematical font sets	Hoenig	254
mathkit	Generate maths fonts to match outline fonts	Hoenig	254
mathlig	Define maths "ligatures"	Bean	142
mathpartir	Typesetting sequences of math formulas, e.g. type inference rules	Remy	401
mathpazo	Fonts to typeset mathematics to match Palatino	Puga	392
mathppl	Use PostScript Palatino for typesetting maths	Schmidt	425
mathptm	Adobe Times Roman (or equivalent) for text and maths	Jeffrey, Rahtz, Vieth	268
mathptmx	Use Times as default text font, and provide maths support	Schmidt, Jeffrey, Rahtz, Vieth, L <sup>A</sup> T <sub>E</sub> X Team	427
mathpunctspace	Control the space after punctuation in math expressions	Kieda	279
mathrsfs	Support for using RSFS fonts in maths	Knappen	287
maths-symbols	Summary of mathematical symbols available in L <sup>A</sup> T <sub>E</sub> X	Carlisle, Fairbairns	170
mathsci2bibtex	Convert Mathsci database information to BibTeX	Zakharevich	543
mathscinet	Retrieve references from MathSciNet in BibTeX format	Tweedale	494
mathsemantics	Semantic math commands in L <sup>A</sup> T <sub>E</sub> X	Bergmann	148
MathSpad	A mathematics-capable word processor with L <sup>A</sup> T <sub>E</sub> X output	Verhoeven	508

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
mathspec	Specify arbitrary fonts for mathematics in XeTeX	Moschou	348
mathspic	A Perl filter program for use with PiCTeX	Syropoulos, Nickalls	465
mathstone	Use Adobe Stone Serif and Stone Sans for typesetting maths	Adrián	127
mathstyle	Manage mathematics typesetting style	Downes, Høgholm, Madsen, Robertson, Wright	194
mathtex	A CGI program to use L <sup>A</sup> T <sub>E</sub> X to put mathematics on the web	Forkosh	215
mathtime-ltx	L <sup>A</sup> T <sub>E</sub> X macros for using MathTime and MathTime Plus	Mittelbach, Carlisle	345
mathtime-metrics	MathTime AFM files	Unknown	499
mathtime-pln	Plain T <sub>E</sub> X macros for using MathTime and MathTime Plus	Lewenberg	313
mathtools	Mathematical tools to use with amsmath	Høgholm, Madsen, L <sup>A</sup> T <sub>E</sub> X Team, Robertson, Wright	257
MathTrip	A trip to the wonderful world of mathematics	Aubord	136
MathType	Evaluation version of a commercial equation editor	Virga, Mathews	513
matlab-prettyfier	Pretty-print Matlab source code	Cretel	184
matlabweb	Literate programming system for Matlab	Potse	391
matrix-skeleton	A PGF/TikZ library that simplifies working with multiple matrix nodes	Dubout	196
mattens	Matrices/tensor typesetting	Els	202
matteX	Import Matlab values to L <sup>A</sup> T <sub>E</sub> X documents	Van Snick	446
maybeload	Prevent reloading of files	Unknown	499
maybemath	Make math bold or italic according to context	Buckley	162
maze	Generate random mazes	Du	196
mbboard	Comprehensive blackboard bold fonts	Phan	385
mnotes	Notes in tables or images	Borck-Elsner	154
mbfill	Fill free space with a pattern	Rozhenko	416
mcaption	Put captions in the margin	Hennig	251
mceinleger	Creating covers for music cassettes	Benischke	147
mcexam	Create randomized Multiple Choice questions	Vannieuwenhuyze	505
mc2graph	Draw chemical structure diagrams with MetaPost	Yamaji	538
mcite	Multiple items in a single citation	Ohl	372
mciteplus	Enhanced multiple citations	Shell	440
mcnthesis	Template designed for MCM/ICM	Huang, Unknown, Wang	260
mcTeX	Convert VAXIMA output to (La)TeX code	Leangsuksun	308
mdframed	Framed environments that can split at page boundaries	Daniel, Schubert	187
mdputu	Upright digits in Adobe Utopia Italic	Veytsman	511
mdsymbol	Symbol fonts to match Adobe Myriad Pro	Schubert	431
mdvi	A DVI previewer	Atria	136
mdwfonts	A model for font manipulation	Wooding	534
mdwlist	Miscellaneous list-related commands	Wooding	534
mdwmath	Some maths extensions	Wooding	534
mdwtab	A reimplementation of tabular and array environments	Wooding	534
mdwtools	Miscellaneous tools by Mark Wooding	Wooding	534
mecaso	Formulas frequently used in rigid body mechanics	Derrazi	190
media4svg	Multimedia inclusion for the dvisvgm backend	Grahn	231
media9	Multimedia inclusion package with Adobe Reader-9/X compatibility	Grahn	231
medstarbeamer	Beamer document class for MedStar Health Research Institute	Kumar	301
meetingmins	Format written minutes of meetings	Beitzel	147
megatape	Make cassette tape labels	Nickel	358
mem	A multilingual system for Lamed	Bezos López	317
membranecomputing	Membrane Computing notation	Orellana Martín	333
memdesign	Notes on book design	Wilson, Madsen	533
memexsupp	Experimental memoir support	Madsen	329
memhfixc	Adjustment for using hyperref in memoir documents	Wilson, Madsen	533
memo-pln	Plain T <sub>E</sub> X macros for memoranda	Unknown	499
memo2	A memo document style	McPherson	338

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
memo209	A memo document style	Roth	413
memoir	Typeset fiction, non-fiction and mathematical books	Wilson, Madsen	533
MemoirChapterSt...	Chapter styles in memoir class	Madsen	329
memory	Containers for data in L <sup>A</sup> T <sub>E</sub> X	Zhiwei	546
memorygraphs	TikZ styles to typeset graphs of program memory	Staps	453
mendex-doc	Documentation for Mendex index processor	Japanese T <sub>E</sub> X Team	266
mensa-tex	Typeset simple school cafeteria menus	Friedl	218
mentis	A basis for books to be published by Mentis publishers	Verweyen	509
menu	Typesetting menus	Lickert	313
menucard	Typesetting menu cards with L <sup>A</sup> T <sub>E</sub> X	Frank	216
menukeys	Format menu sequences, paths and keystrokes from lists	Weh, Spratte	526
MEP article	Class for Mechanical Engineering Publications	Balemi	137
meper	MetaPost editor and previewer	Pan	379
mercatormap	Spherical Mercator coordinate systems and Web Mercator tile inte- gration	Sturm	460
merge	Perform mail merges in L <sup>A</sup> T <sub>E</sub> X	McKinstry	338
merriweather	Merriweather and MerriweatherSans fonts, with L <sup>A</sup> T <sub>E</sub> X support	Tennent	476
messagebubbles	Display message bubbles as a conversation	Harrer	245
messagepassing	Draw diagrams to represent communication protocols	Vassor	506
meta-mode	Emacs mode for Metafont/post	Vieth	512
metafont-beginners	An introductory tutorial for Metafont	Tobin	488
Metafont	A system for specifying fonts	Knuth	290
metafp	Some Experiences in Running Metafont and MetaPost	Wilson	531
metago	MetaPost output of Go positions	Zheng	546
metainfo	Typeset document outline with metainfo	Sauer	420
metalogo	Extended T <sub>E</sub> X logo macros	Moschou	348
metalogox	Adjust T <sub>E</sub> X logos, with font detection	Dunn	197
metanorma	Write Metanorma standardization documents using LaTe	Brasolin	158
metaobj	MetaPost package providing high-level objects	Roegel	409
MetaPlot	Plot-manipulation macros for use in MetaPost	Moses	348
metapost-colorb...	An implementation of the colorbrewer2.org colours for MetaPost	Thurston	487
MetaPost examples	Example drawings using MetaPost	Zoonekynd	548
metapost-matlab	MetaPost data plotting in Matlab style	Yang	539
metapost	A development of Metafont for creating graphics	The MetaPost Team, Hobby	481
metastr	Store and compose strings	Beisert	146
METATeX	Incorporate Metafont pictures in T <sub>E</sub> X source	Casares	171
metatype1	Generate Type 1 fonts from MetaPost	JNS team	269
metauml	MetaPost library for typesetting UML diagrams	Gheorghies	223
method	Typeset method and variable declarations	Leineweber, Drucbert	310
metre	Support for the work of classicists	Boggio-Togna	153
metrix	Typeset metric marks for Latin text	Weh	525
mewltx	MicroEmacs for Windows L <sup>A</sup> T <sub>E</sub> X interface	Reid	400
mex	Polish formats for T <sub>E</sub> X	Jackowski, Ryćko	265
mf-ps	Metafont-PostScript conversions	Jackowski	264
mf2ps	Modification of Metafont to produce PostScript output	Yanai, Berry	539
mf2pt1	Convert stylized Metafont to PostScript Type 1	Pakin	377
mf2pt3	Create Adobe Type 3 fonts	Syropoulos	463
mf2tex	Add labels into drawings created with Metafont	Spalek	448
mfbook	The source of The Metafontbook	Knuth	290
mff-util	Metafont management	Cugley	185
mff	Multiple font formats	Berdnikov, Turtia	148
mfirstuc	Uppercase the first letter of a word	Talbot	469
mflogo-font	Metafont logo font	Knuth, Hoekwater	291
mflogo	L <sup>A</sup> T <sub>E</sub> X support for Metafont logo fonts	Vieth	512
mflogo209	Typeset the Metafont logo under L <sup>A</sup> T <sub>E</sub> X 2.09	Hosek	258



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
mfnfss	Packages to typeset oldgerman and pandora fonts in L <sup>A</sup> T <sub>E</sub> X	Mittelbach, L <sup>A</sup> T <sub>E</sub> X Team	346
mfpic	Draw Metafont/post pictures from (La)TeX commands	Luecking, Tobin	325
mfpic4ode	Macros to draw direction fields and solutions of ODEs	Mařík	332
mftinc	Pretty-print Metafont source	Pakin	377
mfttrace	Convert Metafont fonts to Adobe Type 1	Nienhuys	360
mfware	Supporting tools for use with Metafont	Knuth, Rokicki, Fuchs	291
MFWL	Making friends with L <sup>A</sup> T <sub>E</sub> X	Kumar	301
mg1TeX	High-quality graphics from MGL scripts embedded in L <sup>A</sup> T <sub>E</sub> X documents	Sejas Viscarra, Balakin	513
mh	Stub for the (old) ‘mh’ bundle	Høgholm, Madsen, Robertson, Wright	257
mhack	Macros for marginal notes, in Plain T <sub>E</sub> X	Walsh	523
mhchem	Typeset chemical formulae/equations and H and P statements	Hensel	252
mhequ	Multicolumn equations, tags, labels, sub-numbering	Hairer	240
mhs	Historical mathematics	Brix	160
mhsetup	The mathtools “setup” function	Madsen, L <sup>A</sup> T <sub>E</sub> X Team, Robertson, Wright, Høgholm	329
mi-solns	Extract solutions from exercises and quizzes	Story	458
miamia	The Miama Nueva handwriting font with L <sup>A</sup> T <sub>E</sub> X support	Romer	411
MicroIMP	A T <sub>E</sub> X-based word processor	MicroPress	341
microtype-de	Translation into German of the documentation of microtype	Schröder, Schwerdtfeger	430
microtype	Subliminal refinements towards typographical perfection	Schlicht	425
Mid2TeX/Free	Convert MIDI to MusicTeX input	Köhler	292
midfloat	Mixing onecolumn and twocolumn modes at any place of page	Tolušis	489
Mid2TeX/Free	Convert MIDI to MusicTeX input	Kuykens, Verbruggen	302
midnight	A set of useful macro tools	van der Goot	230
midpage	Environment for vertical centring	Robertson, Wilson	407
mif2xfig	Conversion between Frame Maker and Xfig	Lundqvist	326
miktex-portable	A version of MikTeX to carry around	Schenk	424
miktex	A free T <sub>E</sub> X distribution for MS-Windows	Schenk	424
miktex_update	A cygwin bash script for automatic updating and installing new packages of MikTeX	Kleber	283
mil	Samples from Math into L <sup>A</sup> T <sub>E</sub> X	Grätzer	232
mil3	Samples from Math into L <sup>A</sup> T <sub>E</sub> X, third edition	Grätzer	233
miller	Typeset miller indices	Harders, Pedersen	245
milog	A L <sup>A</sup> T <sub>E</sub> X class for fulfilling the documentation duties according to the German minimum wage law MiLoG	Kleber	283
milstd	Generate documents according to MIL STD 490	McPherson	338
MilSymb	L <sup>A</sup> T <sub>E</sub> X package for TikZ based drawing of military symbols as per NATO APP-6(C)	Crosby	184
minetex	Parse L <sup>A</sup> T <sub>E</sub> X math expressions and emit gif or xbitmaps	Forkosh	215
mindflow	Write your ideas in a clear way	XU	537
minibox	A simple type of box for L <sup>A</sup> T <sub>E</sub> X	Robertson	405
minidocument	Creates miniature documents inside other L <sup>A</sup> T <sub>E</sub> X documents	Leclaire	308
minifp	Fixed-point real computations to 8 decimals	Luecking	325
miniltx	An abstract of L <sup>A</sup> T <sub>E</sub> X facilities for use with Plain T <sub>E</sub> X	Carlisle, Berry	170
minim-hatching	Create tiling patterns with the minim-mp MetaPost processor	Renkema	401
minim-math	Extensive maths for LuaTeX	Renkema	401
minim-mp	Low-level mplib integration for LuaTeX	Renkema	401
minim-pdf	Low-level PDF integration for LuaTeX	Renkema	401
minim-xmp	Embed XMP metadata in PDF with LuaTeX	Renkema	401
minim	A modern plain format for the LuaTeX engine	Renkema	401
minimal	A trivial class, for use when testing	L <sup>A</sup> T <sub>E</sub> X Team	484
minimalist	Write your articles or books in a simple and clear way	XU	538

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
minion2newtx	Enable use of Minion Pro with newtx	Sharpe	437
minionpro	L <sup>A</sup> T <sub>E</sub> X support for Adobe MinionPro fonts	Blumensath	152
minipage-marginpar	Minipages with marginal notes	Ebermann	198
MiniPlot	A package for easy figure arrangement	Wahl	522
minitoc	Produce a table of contents for each chapter, part or section	Drucbert	195
minorrevision	Quote and refer to a manuscript for minor revisions	Guillaumin	237
minted	Highlighted source code for L <sup>A</sup> T <sub>E</sub> X	Poore, Rudolph	390
mintspirit	L <sup>A</sup> T <sub>E</sub> X support for MintSpirit font families	Tennent	476
minutes	Typeset the minutes of meetings	Lickert	313
mirr	PostScript mirror header (for dvips)	BOP	154
mismath	Miscellaneous mathematical macros	Missier	344
missaali	A late medieval OpenType textura font	Syrjänen	462
mitpress	Typeset documents for MIT Press	Unknown	500
mk	A T <sub>E</sub> X and L <sup>A</sup> T <sub>E</sub> X maker	Dekker	188
mkbangtex	A preprocessor for BangTeX	Ray	398
mkbib	BibTeX file creator	Banerjee	138
mkjobtexmf	Generate a texmf tree for a particular job	Oberdiek	368
mkpattern	A utility for making hyphenation patterns	Múgica de Rivera	403
mkpic	Perl interface to mfpic	Dekker	189
mkpkfontdir	Manipulate TDS directories for PK fonts	Arrouye	132
mkstmp	Provides a simple workflow for creating custom stamps	Story	458
mla-paper	Proper MLA formatting	Aycock, Wheelwright	136
mla	MLA BibTeX styles	Weissert, Shaw	526
mlacsls	L <sup>A</sup> T <sub>E</sub> X class for MLA papers	Price	392
mlbib	Support for multilingual bibliographies	Matiaske	334
mleftright	Variants of delimiters that act as maths open/close	Oberdiek	368
mlist	Logical markup for lists	Robertson	405
MLMath	Mathematical notation for Machine Learning	Ma	328
MLModern	A blacker Type 1 version of Computer Modern, with multilingual support	Miller	343
mltex-ltx	L <sup>A</sup> T <sub>E</sub> X support for MLTeX	Raichle	396
mltex	The MLTeX system	Raichle, Ferguson	397
mluexercise	Exercises/homework at the Martin Luther University Halle-Wittenberg	Fachschaftsrat Mathematik/Informatik Uni Halle	205
mm	A jiffy Multiple Master tool	Goossens, Rahtz	230
mma2ltx	Use Mathematica graphics in a L <sup>A</sup> T <sub>E</sub> X document	Ghibo	223
mmafm	Font metrics for multiple-master font	Kohler	291
mmap	Include CMap resources in PDF files from pdfTeX	Moore	347
mmpfb	Create instance of multiple-master font	Kohler	292
mmtools	Multiple master fonts tools	Kohler	292
mnhyphn	Hyphenation patterns for Mongolian	Batumongke	141
mnotes	Margin annotation for collaborative writing	Luz	327
mnras-plain	Plain T <sub>E</sub> X macros for MNRAS	Woollatt	535
mnras	Monthly Notices of the Royal Astronomical Society	Royal Astronomical Society, Thompson, Clube	416
MnSymbol	Mathematical symbol font for Adobe MinionPro	Blumensath	152
mnttex	Tools for the "The Secret History of the Mongols"	Corff	182
modeles-facture...	Generate invoices for Belgian non-profit organizations	Sebillé, Cassart	434
moderncv	A modern curriculum vitae class	Danaux, Lachnit	187
modernposter	A modern L <sup>A</sup> T <sub>E</sub> X poster theme	Derler	190
moderntimeline	Timelines for use with moderncv	Pinson	388
modes	A collection of Metafont mode_def's	Berry	149
modguide	The rules about modifying L <sup>A</sup> T <sub>E</sub> X	L <sup>A</sup> T <sub>E</sub> X Team	484
modiagram	Drawing molecular orbital diagrams	Niederberger	359
modref	Customisation of cross-references in L <sup>A</sup> T <sub>E</sub> X	de Beaudrap	142

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
modroman	Write numbers in lower case roman numerals	Henel	250
modular	Relative section headings for modular documents	Sank	420
modulus	A non-destructive modulus and integer quotient operator for $\TeX$	Goodman	229
mol2chemfig	Convert chemical structures from MDL molfile format to chemfig source code	Palmer	378
mongolian-babel	A language definition file for Mongolian in Babel	Batumongke	141
monofill	Alignment of plain text	Lück	323
monster	Obsolete name for Frankenstein	Swift	462
montex	Mongolian $\LaTeX$	Corff	182
montserrat	Montserrat sans serif, otf and pfb, with $\LaTeX$ support files	Sharpe	438
moodle	Generating Moodle quizzes via $\LaTeX$	Hendrickson, Guerin-Kern	250
moonphase	Font for representing the phases of the moon	Brabec	158
moredefs	$\LaTeX$ defining, expansion, and debugging commands	Swift	462
moreenum	More enumeration options	Bradley	158
morefloats	Increase the number of simultaneous $\LaTeX$ floats	Hosek, Münch	259
morehelp	Improve $\LaTeX$ error messages	Kummer	301
morehype	Hypertext tools for use with $\LaTeX$	Lück	323
moresize	Allows font sizes up to 35.83pt	Cornelissen	183
moreverb	Extended verbatim	Fairbairns, Duggan, Schöpf, Eijkhout, Carlisle	206
morewrites	Always room for a new write stream	Le Floch	214
morisawa	Enables selection of 5 standard Japanese fonts for p $\LaTeX$ + dvips	Japanese $\TeX$ Team	267
morse	Support for printing Morse code signs	Heyl	253
movie15	Multimedia inclusion package	Grahn	231
threed	3D animations	Roegel	409
mparhack	Work around a $\LaTeX$ bug in marginpars	Ulrich, Fischer	494
mparrows	MetaPost module with different types of arrow heads	Jørgensen	270
mpattern	Patterns in MetaPost	Bolek	153
MPchess	Drawing chess boards and positions with MetaPost	Chupin	179
mpcolornames	Extend list of predefined colour names for MetaPost	Hennig	251
mpdinbrief	An enhanced version of dinbrief	Pilzecker	388
MPedit	MetaPost text editor for Win32	Vabishchevich	505
mpfonts	Computer Modern Type 3 fonts converted using MetaPost	Miller	343
mpgraphics	Process and display MetaPost figures inline	Khalighi, bidi-tex GitHub Organisation	278
mpman-ru	A Russian translation of the MetaPost manual	Hobby, Lidovski	254
mpostinl	Embed MetaPost figures within $\LaTeX$ documents	Beisert	146
MPStoEPS	A convertor from MetaPost output to Encapsulated PostScript	Henderson	249
mptrees	Probability trees with MetaPost	Péault	382
mrcheckbib	A BibTeX file verification tool	Cagnol	166
mrrecog	Recognise un-escaped command names in maths	Wentworth	527
ms	Various $\LaTeX$ packages by Martin Schröder	Schröder, Peischl	431
msc	Draw MSC diagrams	van Deursen, Bos, Mauw, Gil Pons	190
msg	A package for $\LaTeX$ localisation	Gaulle	222
mslapa	Michael Landy's APA citation style	Landy	305
msu-thesis	Class for Michigan State University Master's and PhD theses	Munn	351
msx2msa	Simulate msxm and msym fonts using msam and msbm	Unknown	500
msym	A partial implementation of the old msym10 font	Horn	258
mt11p	Use MathTime complete under $\LaTeX$	Lím	314
mtbe	Macros for "Mathematical $\TeX$ by Example"	Borde	154
mtex	The pioneering music-in- $\TeX$ macros	Steinbach, Schofer	453
mtgreek	Use italic and upright greek letters with mathtime	Tinnefeld	488
mtp2lite	Subset of MathTime Pro 2 font set	Spivak	449

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
mucproc	Conference proceedings for the German MuC-conference	Peischl	384
mugsthis	Thesis class complying with Marquette University Graduate School requirements	Gessler	223
muling	MA Thesis class for the Department of Linguistics, University of Mumbai	Unknown	500
multenum	Multi-column enumerated lists	Kletzing	286
multiaudience	Several versions of output from the same source	Veytsman	511
multibbl	Multiple bibliographies	Syropoulos	463
multibib	Multiple bibliographies within one document	Hansen	242
multibibliography	Multiple versions of a bibliography, with different sort orders	Cohen, Haralambous, Veytsman	181
multibox	Multiple boxes and frames for the picture environment	Hamilton Kelly	276
multicap	Format captions inside multicols	Vassilogiorgakis	506
multicol	Intermix single and multiple columns	Mittelbach, L <sup>A</sup> T <sub>E</sub> X Team	346
multicolpar	Put successive paragraphs in different columns	Orlandini, Hailperin	374
multicolrule	Decorative rules between columns	Hagen	240
multidef	Quickly define several similar macros	Markey	332
multido	A loop facility for Generic T <sub>E</sub> X	Van Zandt, Niepraschk, Voß	543
multienv	Multiple environments using a “key=value” syntax	Scharrer	422
multiexpand	Variations on the primitive command \expandafter	Le Floch	214
multifootnote	Multiple numbers for the same footnote	XU	538
multilang	A L <sup>A</sup> T <sub>E</sub> X package for maintaining multiple translations of a document	Grewe	236
multind	Multiple indexes in L <sup>A</sup> T <sub>E</sub> X documents	Long	316
multiobjective	Symbols for multiobjective optimisation etc	Martí	332
multiple-choice	L <sup>A</sup> T <sub>E</sub> X package for multiple-choice questions	Razavian	398
multirow	Create tabular cells spanning multiple rows	van Oostrum, Leichter	374
multitoc	Set table of contents in multiple columns	Schröder, Peischl	431
munich	An alternative authordate bibliography style	Brixner	160
musical	Typeset (musical) theatre scripts	Howell	260
musicography	Accessing symbols for music writing with pdfLaTeX	Cashner	171
musictex	Typesetting music with T <sub>E</sub> X	Taupin	472
musikui	Easy creation of “arithmetical restoration” puzzles	Kaneko	273
musixguit	Easy notation for guitar music, in MusiXTeX	Niederberger	359
musixtex-egler	Multi-pass music typesetting	Egler, Taupin	200
musixtex-fonts	Fonts used by MusiXTeX	Tennent, Uchiyama, Taupin	478
musixtex-t1fonts	Adobe Type 1 versions of MusiXTeX fonts	Uchiyama	494
MusiXTeX	Sophisticated music typesetting	Tennent, Simons, Coulon, Morimoto, Vogel, Taupin, Egler, Mitchell	478
musixtnt	A MusiXTeX extension library that enables transformations of the effect of notes commands	Tennent	476
musuos	Typeset papers for the department of music, Osnabrück	Weh	525
muthesis	Classes for University of Manchester Dept of Computer Science	Gough	230
mversion	Keeping track of document versions	Schmeing	425
mwcls	Polish-oriented document classes	Woliński	534
mwe	Packages and image files for MWEs	Scharrer	423
mweights	Support for multiple-weight font packages	Tennent	476
mwrite	Write information to files	Creutzig	184
mx	Support for Mongolian “horizontal” (Xewtee Dorwoljin) script	Corff	182
mxedruli	A pair of fonts for different Georgian alphabets	Heinecke	248
mychemistry	Create reaction schemes with L <sup>A</sup> T <sub>E</sub> X and chemfig	Niederberger	359
mycv	A list-driven CV class, allowing TikZ decorations	Gheri	223
myfilist	Configuring the output of the \listfiles command	Lück	323
mylatex	Make a format containing a document’s preamble	Carlisle	168
mylatexformat	Build a format based on the preamble of a L <sup>A</sup> T <sub>E</sub> X file	Chervet	176

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
myletter	An old letter class	Kielhorn	280
mynsf	XeL <sup>A</sup> T <sub>E</sub> X template for writing the main body of NSFC proposals	Qi	393
<b>NNNNN</b>			
na-border	Decorative borders for texts in Arabic and French	Mohamed, Laouidji	346
na-box	Arabic-aware version of pas-cours package	Mohamed	346
na-position	Tables of relative positions of curves and asymptotes or tangents in Arabic documents	Mohamed, Laouidji	346
nabatean	Font for Nabatean script	Wilson	531
nag	Detecting and warning about obsolete L <sup>A</sup> T <sub>E</sub> X commands	Schwarz	433
nahuatl	Render nahuatl glyphs	Alvarez Zavala	544
naive-ebnf	EBNF in Plain Text	Bugayenko	163
nameauth	Name authority mechanism for consistency in body text and index	Schaum	423
named	"Named" bibliography style	Patel-Schneider	381
namedef	TeX definitions with named parameters	Oleinik	372
namedtensor	Macros for named tensor notation	Chiang	177
nameref	Make reference to section names, etc	Oberdiek, Oberdiek Package Support Group, Rahtz	370
namespc	Rudimentary C++-like namespaces in L <sup>A</sup> T <sub>E</sub> X	Dreyer	195
namunsrt	An unsorted BibTeX style with labels provided in the database	Unknown	500
nanicolle	Typesetting herbarium specimen labels	Yang	539
nanumtype1	Type1 subfonts of Nanum Korean fonts	Kim	281
nar	BibTeX style for Nucleic Acid Research	Schneider	429
nassflow	Drawing Nassi-Shneiderman diagrams and flowcharts	Lindhout, van Geest, Braams	315
natbib	Flexible bibliography support	Daly, Ogawa	186
natded	Typeset natural deduction proofs	Ajalooeian	128
Nath	Natural mathematics notation	Marvan	333
natmove	Move punctuation following a citation	Wright, Arseneau	536
nature	Prepare papers for the journal Nature	Czoschke	185
navigator	PDF features across formats and engines	Isambert	263
navydocs	Support for Technical Reports by US Navy Organizations	Rochford	409
nb4latex	Convert NotaBene4 to L <sup>A</sup> T <sub>E</sub> X	Milanese	342
nbaseprt	Print numbers in non-decimal bases	Harders	244
nbaskerv	Metrics and L <sup>A</sup> T <sub>E</sub> X support for ITC New Baskerville Font From Adobe	Veytsman	511
nccbbb	"Poor man's" blackboard bold	Rozhenko	416
nccboxes	Elaborate box commands	Rozhenko	417
ncccomma	Use comma as decimal separator in mathematics	Rozhenko	417
ncccropbox	Crop-marked boxes	Rozhenko	417
ncccropmark	Draw cropmarks on the output page	Rozhenko	417
nccfancyhdr	Extensive control of page headers and footers	Rozhenko	417
nccfloats	Extensions of the L <sup>A</sup> T <sub>E</sub> X float mechanisms	Rozhenko	417
nccfoots	User-generated footnote marks	Rozhenko	417
NCC-LaTeX	An extended general-purpose class	Rozhenko	416
nccmath	Extended mathematics capabilities	Rozhenko	417
nccparskip	Modify skips between paragraphs	Rozhenko	417
nccpic	Extend the graphicx package for more formats	Rozhenko	417
nccrules	Compose dashed lines	Rozhenko	417
nccsect	A re-implementation of sections, captions and tocs	Rozhenko	417
ncctest	Insert a stretch between each token of a string	Rozhenko	417
nccthm	Another theorem environment	Rozhenko	417
ncctools	A collection of general packages for L <sup>A</sup> T <sub>E</sub> X	Rozhenko	417
nChairX	Maths macros from chair X of Würzburg University	Dippell	192
nddiss	Notre Dame Dissertation format class	Vijay, Brower	513
nds-u-thesis-2022	North Dakota State University disquisition class 2022	Cannayen	167
nds-u-thesis	North Dakota State University disquisition class	Thorne, Feickert, Totushek	487



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
NEdit-LaTeX-Ext...	The L <sup>A</sup> T <sub>E</sub> X-Mode is a set of macros for the NEdit text editor	Fischer	212
needspace	Insert pagebreak if not enough space	Robertson, Wilson	407
NL hyphenation	Hyphenation patterns for Dutch	Tutelaers	493
nemocal	Calendar maker	Jeong	269
nestquot	Alternate quotes between double and single with nesting	Hars	246
neufont	New font installation	Lorenz	320
neuralnetwork	Graph-drawing for neural networks	Cowan	184
neuron	BibTeX style for the journal Neuron	Rizzuto	404
nevelok	L <sup>A</sup> T <sub>E</sub> X package for automatic definite articles for Hungarian	Bodo	152
newalg	Format algorithms like Cormen, Leiserson and Rivest	Farnbach, Furnanz	208
newapa	Another APA citation mechanism	Spencer, Ryu	449
newcastle-bst	A BibTeX style to format reference lists in the Harvard at Newcastle style	Briggs	159
newclude	Reimplemented \include system for L <sup>A</sup> T <sub>E</sub> X	Swift	462
newcommand	Generate new L <sup>A</sup> T <sub>E</sub> X command definitions	Pakin	377
NewComputerModern	Computer Modern fonts including matching non-latin alphabets	Tsolomitis	492
newenviron	Processing an environment's body	Musa	354
newfile	User level management of L <sup>A</sup> T <sub>E</sub> X input and output	Robertson, Wilson	407
newfloat	Define new floating environments	Sommerfeldt	448
newinsert	Reworking Plain T <sub>E</sub> X's insert macros	Neumann	357
newlrm	Write letters, facsimiles, and memos	Thompson	487
newpax	Experimental package to extract and reinsert PDF annotations	Fischer	212
newproof	Make commands to define proofs	Piff, Fairbairns, Carlisle	387
newpx	Alternative uses of the PX fonts, with improved metrics	Sharpe	438
newsletr	Macros for making newsletters with Plain T <sub>E</sub> X	Goatley	227
newspaper	Typeset newsletters to resemble newspapers	Allen, Griffith	130
newthm	Obsolete version of ntheorem	Schlechte	424
newtx	Alternative uses of the TX fonts, with improved metrics	Sharpe	438
newtxsf	Sans-math fonts for use with newtx	Sharpe	438
newtxtt	Enhancement of typewriter fonts from newtx	Sharpe	438
newunicodechar	Definitions of the meaning of Unicode characters	Gregorio	235
newvbtm	Define your own verbatim-like environment	Nakashima	355
newverbs	Define new versions of \verb, including short verb versions	Scharrer	423
nextpage	Generalisations of the page advance commands	Robertson, Wilson	407
nexus-otf	Supporting for the Nexus OpenType or True Type Fonts	Voß	517
nfssext-cfr	Extensions to the L <sup>A</sup> T <sub>E</sub> X NFSS	Rees, Lehman	399
nfssfont	Typesetting font tables using L <sup>A</sup> T <sub>E</sub> X's NFSS notation	Mittelbach, L <sup>A</sup> T <sub>E</sub> X Team	346
ngerman	Support for new German typography	Raichle	396
nicefilelist	Provide \listfiles alignment	Lück	323
nicefrac	Typeset in-line fractions in a "nice" way	Reichert	400
niceframe-type1	Type 1 versions of the fonts recommended in niceframe	Niepraschk	361
niceframe	Support for fancy frames	Ohlhaut	372
nicematrix	Improve the typesetting of mathematical matrices with PGF	Pantigny	379
nicetext	Minimal markup for simple text (Wikipedia style) and documentation	Lück	323
niceverb	Minimising markup for documenting L <sup>A</sup> T <sub>E</sub> X packages	Lück	323
nidanfloat	Bottom placement option for double float in two column mode (nidan-kumi)	Japanese T <sub>E</sub> X Team	267
nih	A class for NIH grant applications	Donald	193
nihbiosketch	A class for NIH biosketches based on the 2015 updated format	Magwene	330
nimbus15	Support files for Nimbus 2015 Core fonts	Sharpe	438
nimsticks	Draws sticks for games of multi-pile Nim	Rowlett	416
ninecolors	Select colors with proper WCAG color contrast	Lyu	328
NJUrepo	Reports for Nanjing University	Zheng	546
njusthesis	Thesis template for the Nanjing University of Science and Technology	Zhenyu	546
njuthesis	L <sup>A</sup> T <sub>E</sub> X thesis template for Nanjing University	Zhao, Xiong	546

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
njuvisual	Display logos related to Nanjing University	Xiong	537
nkarta	A "new" version of the karta cartographic fonts	Luecking	325
nl-interval	Represent intervals on the number line	Neves	357
nlatexdb	Database reports using L <sup>A</sup> T <sub>E</sub> X and .Net (or Mono)	Höns	258
nlctdoc	Package documentation class	Talbot	469
nmbib	Multiple versions of a bibliography, with different sort orders	Veytsman	511
nndraw	Draw neural networks	Dias	191
nnext	Extension for the gb4e package	LaCara	303
nnfootnote	"No number" footnotes	Ellison	202
noconflict	Resolve macro name conflict between packages	Hossain	259
nodetree	Visualize node lists in a tree view	Friedrich	218
nofill	Preserve spaces and line breaks when setting text	Unknown	500
nohyph	Norwegian hyphenation	Kleveland, Selberg,	286
		Hufthammer	
nohyphbx	General hyphenation patterns for Norwegian	Kleveland, Selberg	286
noindentafter	Prevent paragraph indentation after environments or macros	Helvensteijn, Hanisch	249
noitcrul	Improved underlines in mathematics	Ebermann	198
noibreaks	No line breaks in text	Arseneau	133
nomencl	Produce lists of symbols as in nomenclature	Veytsman, Radhakrishnan,	512
		Netherton, Schandl	
nomentbl	Nomenclature typeset in a longtable	Elmegaard	202
nonfloat	Non-floating table and figure captions	Rascher	398
nonumonpart	Prevent page numbers on part pages	Henel	250
nopageno	No page numbers in L <sup>A</sup> T <sub>E</sub> X documents	Carlisle	169
noprot	Avoid the need for protection	Sozuer	448
norbib	Norwegian bibliography styles	Langmyhr	305
normalcolor	Changing \normalcolor	Kohm	293
nostarch	L <sup>A</sup> T <sub>E</sub> X class for No Starch Press	Veytsman	511
notes	Mark sections of a document	Webb	525
notes2bib	Integrating notes into the bibliography	Wright	535
NotesPages	Filling documents with notes pages and notes areas	Kaufmann	275
NotesTeX	An all-in-one L <sup>A</sup> T <sub>E</sub> X notes package for students	Dhumuntarao	191
noTeX-bst	A BibTeX style that outputs HTML	Vigna	513
noto-emoji	Noto Emoji fonts	Zeng	545
noto	Support for Noto fonts	Tennent	476
notoccite	Prevent trouble from citations in table of contents, etc	Arseneau	133
notoCJKsc	This package provides Noto CJK fonts	Zhou	547
notocondensed	Support for the condensed variants of the Noto fonts	Tennent	476
notomath	Math support for Noto fonts	Sharpe	438
novel	Class for printing fiction, such as novels	Allgeyer	130
noweb	A simple extensible literate programming tool	Ramsey	397
nowidow	Avoid widows	Pinson	388
nox	Adaptable tables	Borck-Elsner, Schöpf	154
npp-for-context	ConTeXt plugin for Notepad++	Scarso, Hamid	421
nrc	Class for the NRC technical journals	Fairbairns, Thiele	206
ntabbing	Simple tabbing extension for automatic line numbering	Stupp	460
ntg-maps	The NTG's journal MAPS	Nederlandstalige TeX Ge- bruikersgroep	355
ntg	Dutch T <sub>E</sub> X Users Group information	Unknown	500
ntgclass	"European" versions of standard classes	Eijkhout, Braams	201
nth	Generate English ordinal numbers	Arseneau	133
ntheorem-vn	Vietnamese translation of documentation of ntheorem	Huynh	262
ntheorem	Enhanced theorem environment	May, Schedler	336
NTS-L	NTS mailing list digests	Unknown	500
NTS	New Typesetting System	The NTS Project	481

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
ntsfaq	Frequently answered questions about T <sub>E</sub> X extension	Knappen	287
nuc	Notation for nuclear isotopes	Davis	188
nucleardata	Provides data about atomic nuclides for documents	Nettles	356
numalg	BibT <sub>E</sub> X style for Kluwer's Numerical Algorithms	Mathar	333
numberedblock	Print a block of code, with unique index number	Segletes	434
numberpt	Counters spelled out in Portuguese	Frasson	217
numending	Generates morphological end of units	Kirillova	282
numERICA-plus	Iteration and recurrence relations: finding fixed points, zeros and extrema of functions	Parsloe	381
numERICA-tables	Create multi-column tables of mathematical functions	Parsloe	381
numERICA	Numerically evaluate mathematical expressions in L <sup>A</sup> T <sub>E</sub> X form	Parsloe	380
numericplots	Plot numeric data (including Matlab export) using PSTricks	König, Michel	295
numline	L <sup>A</sup> T <sub>E</sub> X macros for numbering lines	Jaegermann, Fortune	266
numname	Convert a number to its English expression	Swamidass	461
numNERU	Converts a number to the russian spelled out name	Vit	513
numprint	Print numbers with separators and exponent if necessary	Harders	244
numspell	Spelling cardinal and ordinal numbers	Tómacs	490
Nunito	The Nunito font face with support for L <sup>A</sup> T <sub>E</sub> X and pdfLaTeX	Ebinger	199
nwafuthesis	A thesis template package for Northwest A&F University, China	Geng	222
nwejm	Support for the journal "North-Western European Journal of Mathematics"	Bitouzé	151
<b>OOOOO</b>			
oands	Glyphs used when transliterating ancient scripts	Wilson	531
obas	Web based interface to a bibliographical database	van Heerden	247
oberdiek	A bundle of packages submitted by Heiko Oberdiek	Oberdiek	368
objectz	Macros for typesetting Object Z	Rahtz, Leadbetter	396
obnov	Obyknovennaya Novaya fonts	Solomykov	447
obsolete	A tree holding obsolete software	Unknown	500
oca	OCR A font	Wales	522
occam	Strip unnecessary macros from a file	Siebenmann	442
ocg-p	PDF OCG support in L <sup>A</sup> T <sub>E</sub> X	Werner	527
ocgtools	Manipulate OCG layers in PDF presentations	Mařík	332
ocgx	Use OCGs within a PDF document without JavaScript	Gaborit	220
ocgx2	Drop-in replacement for 'ocgx' and 'ocg-p'	Grahn	231
ochem	Typeset chemical formulae with L <sup>A</sup> T <sub>E</sub> X	Klöckl	286
ocherokee	L <sup>A</sup> T <sub>E</sub> X Support for the Cherokee language	Syropoulos	463
ocr-a	Fonts for OCR-A	Wales, Lillqvist	523
ocr-b-outline	OCR-B fonts in Type 1 and OpenType	Wagner	522
ocr-b	Fonts for OCR-B	Schwarz	433
ocr-latex	L <sup>A</sup> T <sub>E</sub> X support for ocr fonts	Jørgensen	271
octave	Typeset musical pitches with octave designations	Cashner	172
octavo	Typeset books following classical design and layout	Revs	402
odsfile	Read OpenDocument Spreadsheet documents as L <sup>A</sup> T <sub>E</sub> X tables	Hoftich	256
oesch	Font to provide the Österreichische Schulschrift	Bachmaier	136
ofntinst	Install Type 1 for use with Omega	Kryukov	299
ofs	Macros for managing large font collections	Olšák	373
ogham	Fonts for typesetting Ogham script	Stanier, Fairbairns, Carlisle	452
ogonek	Support for Polish typography and the ogonek	Bień	150
oinuit	L <sup>A</sup> T <sub>E</sub> X Support for the Inuktitut Language	Syropoulos	463
okuda	Fonts for Klingon	Kummer, Shoulson	301
old-arrows	Computer Modern old-style arrows with smaller arrowheads	Dossena	194
old-faq-en	An early FAQ in English	Bodenheimer	152
old-fontch	Changing fonts, sizes and encodings in Plain T <sub>E</sub> X (obsolete version)	Medina	339
oldlatin	Compute Modern-like font with long s	Terashita	478
oldprsn	Fonts old Persian cuneiform script	Wilson	531

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
oldstandard	OldStandard fonts with L <sup>A</sup> T <sub>E</sub> X support	Kryukov, Lečić, Alessi, Tennent	299
OldStandardT1	Type 1 versions of Old Standard fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	476
oldstyle	Old style numbers in OT1 encoding	Fairbairns, Carlisle	205
oletex	OLE - L <sup>A</sup> T <sub>E</sub> X interface	Trifonov	491
olsak-misc	Collection of plain T <sub>E</sub> X macros written by Petr Olšák	Olšák	373
omega	A wide-character-set extension of T <sub>E</sub> X	Haralambous, Plaice	243
12many	Generalising mathematical index sets	Schwarz	433
OneDown	Typeset Bridge Diagrams	Wiersma	528
onepagem	If the document has only one page, omit page number	Piff, Fairbairns, Carlisle	387
onlyamsmath	Inhibit use of non-amsmath mathematics markup when using amsmath	Harders	244
onrannual	Class for Office of Naval Research Ocean Battlespace Sensing annual report	Maxwell	335
oops	A framework for making definitions, typically mathematical, inline	Rogard	410
opacity-pro	Set transparency and blend mode	Story	458
opcit	Footnote-style bibliographical references	Garcia-De Castro	172
opencolor	Definitions from the Open Color library	Piazzai	385
opensans	The Open Sans font family, and L <sup>A</sup> T <sub>E</sub> X support	El Morabity	347
oPlotSymb1	Some symbols which are not easily available	Döhring	192
opteng	SPIE Optical Engineering and OE Letters manuscript template	Egan	200
OpTeX	LuaTeX format based on Plain T <sub>E</sub> X and OPmac	Olšák	373
OpTeXcount	Python script for counting words in OpTeX documents	Hartmann	246
optidef	Environments for writing optimization problems	Lago Garcia	221
optional	Facilitate optional printing of parts of a document	Arseneau	133
options	Provides convenient key-value options for L <sup>A</sup> T <sub>E</sub> X package writers	Leijen	310
optparams	Macros with multiple optional parameters	Sauer	420
orcidlink	Insert hyperlinked ORCID logo	Stein	453
Orderer	Order references in a T <sub>E</sub> X file	Siddikov	441
orderrefs	Sort bibliography in L <sup>A</sup> T <sub>E</sub> X document by order of citation	Collins	181
ordinalpt	Counters as ordinal numbers in Portuguese	Frasson	217
oriental	A version of T <sub>E</sub> X for which Oriental languages are native	Prosoft International	392
orientation	Set page orientation with dvips/Ghostscript (ps2pdf)	Miller	343
oriya	Typesetting the Oriya script using T <sub>E</sub> X	Hellingman, Pandey	249
orkhun	A font for orkhun script	Rakhimov	397
os2tex	A distribution of T <sub>E</sub> X for OS/2 Warp	Kleinböhl	285
osa	Macros for Optical Society of America Journals, etc	Optical Society of America	374
oscola	BibL <sup>A</sup> T <sub>E</sub> X style for the Oxford Standard for the Citation of Legal Authorities	Stanley	452
osmanian	Osmanian font for writing Somali	Stanier	452
Oswald	The Oswald family of fonts with support for L <sup>A</sup> T <sub>E</sub> X and pdfLaTeX	Ebinger	199
ot-tableau	Optimality Theory tableaux in L <sup>A</sup> T <sub>E</sub> X	Baker	137
ot2cyr	Macros, metrics, etc., to use the OT2 Cyrillic encoding	Rahtz	395
OT2Woff	OpenType to Woff converter	Frane Jr	271
otfinst	Install OpenType fonts for use in T <sub>E</sub> X/L <sup>A</sup> T <sub>E</sub> X systems	Owens	375
otftofd	Generate control files for OpenType fonts	Washburn	524
othello	Modification of a Go package to create othello boards	le Comte	182
othelloboard	Typeset Othello (Reversi) diagrams of any size, with annotations	Hall	241
oubraces	Braces over and under a formula	Arseneau	133
oup-authoring-t...	A general template for journals published by Oxford University Press (OUP)	Jones	270
outerhbox	Collect horizontal material for contributing to a paragraph	Fine	211
OutilsGeomTikZ	Some geometric tools, with TikZ	Pierquet	386
outline	List environment for making outlines	Halvorson, Flaxman	241
outliner	Change section levels easily	Eijkhout	201

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
outlines	Produce "outline" lists	Pecheur	382
outlining	Create outlines for scientific documents	Block	152
oval	Round-cornered framed boxes	Schalück	421
ovalfbox	Boxes with frames whose corners are rounded	Unknown	500
overarrows	Custom extensible arrows over math expressions	Labbé	303
overcite	Compressed lists of superscript numerical citations	Arseneau	133
overlays	Incremental slides	Nolda	362
overlock	Overlock sans fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	476
overpic	Combine L <sup>A</sup> T <sub>E</sub> X commands over included graphics	Niepraschk	361
overrightarrow	Doubled "over" arrow	Kilfiger	280
overword	Parse text	Bennett	148
oxford	A BibTeX style geared for use in the humanities	Antman	131
oztex-fonts	Fonts packaged for use in OzTeX	López-Valencia, de Bogotá	320
OzTeX-german	German packaging of OzTeX	Meyer-Lerbs	340
oztex	TeX for the Macintosh	Trevorrow	491
<b>PPPPP</b>			
pacioli	Fonts designed by Fra Luca de Pacioli in 1497	Wilson	531
padauk	A high-quality TrueType font that supports the many diverse languages that use the Myanmar script	Tennent	477
padcount	Pad numbers with arbitrary characters	Goodman	229
pagecolor	Interrogate page color	Münch	350
pagecont	Page numbering that continues between documents	Frasson	217
pagedraw	Drawing program with EPS output	Karunakaran	274
pagefoots	Footnote numbering per page	Schellenberger, Hankerson	424
pageframe	Page frames, grids, etc., for L <sup>A</sup> T <sub>E</sub> X 2.09	Smith	445
pagewidth	Print page grid in background	Oberdiek	368
pagelayout	Layout graphic rich documents	Bartels	139
pagella-otf	Using the OpenType fonts T <sub>E</sub> X Gyre Pagella	Voß	517
pageno	Page number-only page styles	McDonnell	337
pagenote	Notes at end of document	Robertson, Wilson	407
pagerange	Flexible and configurable page range typesetting	Musa	354
pagereference	Labels and references in Plain T <sub>E</sub> X	Ungar	495
pagesel	Select pages of a document for output	Oberdiek	368
pageslts	Variants of last page labels	Münch	350
palatino-nfss	Select Adobe Palatino as default text font	Rahtz	395
palette	Create palettes for colors and symbols that can be swapped in	Chen	174
palladam	A Tamil font for Macintosh users	Govindaraj	231
pandora-latex	L <sup>A</sup> T <sub>E</sub> X support for the Pandora fonts	Jørgensen	271
pandora-type1	The Pandora font family	McPhee, Billawalla	338
pandora	The Pandora font family	Billawalla	150
pangram	A L <sup>A</sup> T <sub>E</sub> X package for testing fonts	Zhang	545
paper	Versions of article class, tuned for scholarly publications	Matiaske	334
paperdcase	Origami-style folding paper CD case	Dussa	198
papermas	Compute the mass of a printed version of a document	Münch	350
papertex	Class for newspapers, etc	Llopis	315
paracol	Multiple columns with texts "in parallel"	Nakashima	355
parades	Tabulators and space between paragraphs in galley approach	Parashchenko	380
paragraphs	Paragraph "tricks" macros	Unknown	500
paralist	Enumerate and itemize within paragraphs	Schandl	421
parallel	Typeset parallel texts	Eckermann	199
paratype	L <sup>A</sup> T <sub>E</sub> X support for free fonts by ParaType	Farar	207
parboxx	Two extra alignment options for \parbox	Knappen	287
parcolumns	Multiple column parallel typesetting	Sauer	420
paresse	Define simple macros for greek letters	Henel	250



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
parisa	Parisa family of fonts	Khalighi, bidi-tex GitHub Organisation	278
parnotes	Notes after every paragraph (or elsewhere)	Hughes	260
parrun	Typesets (two) streams of text running parallel	Dominici	193
parsa	A $\text{\LaTeX}$ package for theses and dissertations at Iranian Universities	Rasuli	398
parselines	Apply a macro to each line of an environment	Chervet	176
parsitex	A localized Persian and bidirectional extension of $\text{\TeX}$	Khalighi, bidi-tex GitHub Organisation	278
parskip	Layout with zero $\backslash$ parindent, non-zero $\backslash$ parskip	Fairbairns, Partl, Mittelbach	206
pas-cours	Macros useful in preparing teaching material	Pasquet	381
pas-crosswords	Creating crossword grids, using TikZ	Pasquet	381
pas-cv	Flexible typesetting of Curricula Vitae	Pasquet	381
pas-tableur	Create a spreadsheet layout	Pasquet	381
pascaltriangle	Draw beautiful Pascal (Yanghui) triangles	Geng	222
passivetex	Support package for XML/SGML typesetting	Rahtz	395
patch	Patch loaded packages, etc.	Kastrup	275
patchcmd	Change the definition of an existing command	Downes	194
patgen	Generate hyphenation patterns	Liang, Breitenlohner, $\text{\TeX}$ Live, Rokicki	313
patgen2-tutorial	A tutorial on the use of Patgen 2	Haralambous	242
path	Typeset paths, making them breakable	Taylor	472
pauldoc	German $\text{\LaTeX}$ package documentation	Ebermann	198
pawpict	Using graphics from PAW	Holm Christensen	178
pax	Extract and reinsert PDF annotations with pdfTeX	Oberdiek, Roucariès	371
pb-diagram	A commutative diagram package using LAMSTeX or Xy-pic fonts	Burchard	163
pbalance	Balance last page in two-column mode	Lago	304
pbibtex-base	Bibliography styles and miscellaneous files for pBibTeX	Maeda, Japanese $\text{\TeX}$ Team	329
pbibtex-manual	Documentation files for (u)pBibTeX	Japanese $\text{\TeX}$ Team	267
pbm2tex	Translate PBM format to $\text{\LaTeX}$	Barth	140
pbmtogf	Convert PBM images to GF font files	Wong	534
PBMtoPK	Conversion between PBM and PK formats	Duggan	196
pbox	A variable-width $\backslash$ parbox command	Law	307
pbsheet	Problem sheet class	Chafaï	173
pcarl	$\text{\LaTeX}$ Support for Adobe Caslon Open Face	Veytsman	511
pcfonts	Hebrew fonts for use on DOS PCs	Porrat	390
pcinfss	Font support for current PCL printers	Harcke	243
pdbf-toolkit	A Toolkit for Creating Janiform Data Documents	Bender	147
pdcmac	Damian Cugley's document tools	Cugley	185
pdf-forms-tutorial	Tutorial on creating PDF forms using pdfLaTeX	Krause	297
pdf-mps-supp	PDF MetaPost graphics support bundle	Hagen	240
pdf-trans	A set of macros for various transformations of $\text{\TeX}$ boxes	Jackowski	265
pdf14	Restore PDF 1.4 to a $\text{\TeX}$ live 2010 format	Pégourié-Gonnard	383
pdfarticle	Class for pdf publications	Paciorek	375
pdfbook	Rearrange pages of a PDF file for booklet printing	Eldering, Buchert, Aivazian	201
pdfbook2	Create booklets from PDF files	Neumann	357
pdfcol	Macros for maintaining colour stacks under pdfTeX	Oberdiek	368
pdfcolfoot	Separate color stack for footnotes with pdfTeX	Oberdiek	368
pdfcolmk	Improved colour support under pdfTeX (legacy stub)	Oberdiek	368
pdfcolparallel	Fix colour problems in package 'parallel'	Oberdiek	368
pdfcolparcolumns	Fix colour problems in package 'parcolumns'	Oberdiek	368
pdfcomment	A user-friendly interface to pdf annotations	Kleber	283
pdfcprot	Activating and setting of character protruding using pdfLaTeX	Schurig, Schlemmer, Hughes	432
pdfcrop	Crop PDF graphics	Oberdiek	368
pdfcrypt	Allows the setting of pdf encryption	Oberdiek	368

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
pdfescape	Implements pdfTeX's escape features using T <sub>E</sub> X or e-TeX	Oberdiek	368
pdfextra	Extra PDF features for (Op)TeX	Vlasák	514
pdfjam	Shell scripts interfacing to pdfpages	Firth, Thomas	212
pdflatexpickscale	Support software for downscaling graphics to be included by pdfLaTeX	Willadt	529
pdfscape	Make landscape pages display as landscape	Oberdiek	369
pdfmanagement-t...	L <sup>A</sup> T <sub>E</sub> X PDF management testphase bundle	L <sup>A</sup> T <sub>E</sub> X Team	484
pdfmarginpar	Generate marginpar-equivalent PDF annotations	Feuersänger	209
pdfmsym	PDF Math Symbols — various drawn mathematical symbols	Unknown	500
pdfoverlay	A L <sup>A</sup> T <sub>E</sub> X style for overlaying text on a PDF	Purton	393
pdfpagediff	Find difference between two PDF's	Radhakrishnan	394
pdfpages	Include PDF documents in L <sup>A</sup> T <sub>E</sub> X	Matthias	335
pdfpc-movie	Pdfpc viewer-compatible hyperlinks to movies	Friedl	218
pdfpc	Define data for the pdfpc presentation viewer	Stambulchik	452
pdfprivacy	A L <sup>A</sup> T <sub>E</sub> X package to remove or suppress pdf meta-data	Sion	444
PDFrack	Use psfrag with pdfLaTeX	Boyer	157
pdfrender	Control rendering parameters	Oberdiek	369
pdfreview	Annotate PDF files with margin notes	Palmer	378
pdfscreen	Support screen-based document design	Radhakrishnan	394
pdfslide	Presentation slides using pdfTeX	Radhakrishnan	394
pdfsync	Provide links between source and PDF	Laurens	307
pdftex-def	Colour and Graphics support for pdfTeX	Carlisle, Rahtz, Hagen, Schröder, Oberdiek	170
pdftex-djgpp	An msdos-djgpp binary of the pdfTeX engine	Rivera	404
pdftex-oztex	pdfTeX designed to run with OzTeX	Kiffe	280
pdftex-quiet	A bash wrapper for pdfTeX limiting its output to relevant errors	Kozlovský	297
pdftex	A T <sub>E</sub> X extension for direct creation of PDF	Thành, The pdfTeX Team, T <sub>E</sub> XLive	479
pdftexcmds	LuaTeX support for pdfTeX utility functions	Oberdiek	369
pdftricks	Support for PSTricks in pdfTeX	Radhakrishnan, Rajagopal	394
pdftricks2	Use PSTricks in pdfTeX	Reibiger	400
pdfx	PDF/X and PDF/A support for pdfTeX, LuaTeX and XeTeX	Radhakrishnan, Thành, Selinger, Moore	395
pdfxup	Create n-up PDF pages with minimal margins	Markey	332
Pecha	Print Tibetan text in the classic pecha layout style	Jäger	266
pedigree-perl	Generate T <sub>E</sub> X pedigree files from CSV files	Veytsman, Akhmadeeva	511
penlight	Penlight Lua libraries made available to LuaL <sup>A</sup> T <sub>E</sub> X users	Ewasiuk	204
penrose	A TikZ library for producing Penrose tilings	Stacey	451
perception	BibTeX style for the journal Perception	Singer	444
perfectcut	Nested delimiters that consistently grow regardless of the contents	Munch-Maccagnoni	351
perltex	Define L <sup>A</sup> T <sub>E</sub> X macros in terms of Perl code	Pakin	377
permute	Support for symmetric groups	Heinz	248
perpage	Make a counter reset at every page boundary	Kastrup	275
persian-bib	Persian translations of classic BibTeX styles	Amintoosi	130
petiteannonce	A class for small advertisements	Belaïche	147
Petri-nets	A set T <sub>E</sub> X/L <sup>A</sup> T <sub>E</sub> X packages for drawing Petri nets	Pommereau	390
pf2afm	AFM generator for Adobe Type 1 fonts	BOP	154
pfarrei	L <sup>A</sup> T <sub>E</sub> X support of pastors' and priests' work	Kohm	293
pdficons	Draw process flow diagrams in chemical engineering	Drews	195
pfm2afm	Convert PFM files to AFM, and vice versa	Lang	305
pfnote	Number footnotes per page	Nakashima	355
pgf-blur	PGF/TikZ package for "blurred" shadows	Preining, Giese, Stacey	391
pgf-cmykshadings	Support for CMYK and grayscale shadings in PGF/TikZ	Purton	393
pgf-interference	Drawing interference patterns with PGF/TikZ	Wehr	526
pgf-PeriodicTable	Create custom periodic tables of elements	Gomes	228

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
pgf-pie	Draw pie charts, using PGF	The PGF/TikZ Team, Yuan	481
pgf-soroban	Create images of the soroban using TikZ/PGF	Delmotte	189
pgf-spectra	Draw continuous or discrete spectra using PGF/TikZ	Gomes	228
pgf-umlcd	Some L <sup>A</sup> T <sub>E</sub> X macros for UML Class Diagrams	Yuan, The PGF/TikZ Team	542
pgf-umlsd	Draw UML Sequence Diagrams	The PGF/TikZ Team, Yuan	481
pgf	Create PostScript and PDF graphics in T <sub>E</sub> X	The PGF/TikZ Team, Tantau, Feuersänger, Menke	481
pgfgantt	Draw Gantt charts with TikZ	Skala	444
pgfkeys	Key value control for PGF	Tantau	471
pgfkeyx	Extended and more robust version of pgfkeys	Musa	354
pgfmath-xfp	Define pgfmath functions using xfp	Spratte	450
pgfmbio	Draw graphs typically found in molecular biology texts	Skala	445
pgfmorepages	Assemble multiple logical pages onto a physical page	Stacey	451
pgfopts	L <sup>A</sup> T <sub>E</sub> X package options with pgfkeys	Wright	535
pgfornament-han	pgfornament library for Chinese traditional motifs and patterns	Lim	314
pgfornament	Drawing of Vectorian ornaments with PGF/TikZ	Matthes	334
pgfplots	Create normal/logarithmic plots in two and three dimensions	Feuersänger	209
pgfplotstable	Loads, rounds, formats and postprocesses numerical tables	Feuersänger	209
pgothic	Fonts based on the Gothic Textura Presciscus manuscript book-hand	Wilson	531
phaistos	Disk of Phaistos font	Syropoulos	463
phfcc	Convenient inline commenting in collaborative documents	Faist	206
phfextendedabst...	Typeset extended abstracts for conferences, such as often encountered in quantum information theory	Faist	206
phffullpagefigure	Figures which fill up a whole page	Faist	206
phfnote	Basic formatting for short documents	Faist	207
phfparen	Parenthetic math expressions made simpler and less redundant	Faist	207
phfqit	Macros for typesetting Quantum Information Theory	Faist	207
phquotetext	Quote verbatim text without white space formatting	Faist	207
phfsnwatermark	Watermarks with version control information from SVN	Faist	207
phfthm	Goodies for theorems and proofs	Faist	207
philex	Cross references for named and numbered environments	Pagin	376
philokaliala	A font to typeset the Philokaliala Books	Syropoulos, Gamvetas	464
philosophersimp...	Typesetting articles for "Philosophers' Imprint"	Veytsman	511
phoenician	Fonts for the Phoenician script in use from about 1600 BC	Wilson	532
phoncard	Format telephone number lists	Greening	234
phonenumber	Typesetting telephone numbers with L <sup>A</sup> T <sub>E</sub> X	Wehr	526
phonetic	Metafont Phonetic fonts, based on Computer Modern	Pease	382
phonrule	Typeset linear phonological rules	Coretta	182
photo	A float environment for photographs	Kuhlmann	300
photobook	A document class for typesetting photo books	Naanou	354
phy-bstyles	A collection of BibT <sub>E</sub> X styles for physics journals	Karney, Bode	274
physconst	Macros for commonly used physical constants	Mulligan	350
physe	The PHYSE format	Breitenlohner	159
physics	Macros supporting the Mathematics of Physics	de la Barrera	139
physics2	Macros for typesetting maths faster and more simply	Zhang	546
physunits	Macros for commonly used physical units	Mulligan	350
physymb	Assorted macros for Physicists	Zaslavsky	544
physzzx	A T <sub>E</sub> X format for physicists	Kaplunovsky	273
pi	Calculate pi	Roegel	409
piano	Typeset a basic 2-octave piano diagram	Daneault	187
picinpar	Insert pictures into paragraphs	Sowa, Blochwitz	448
picins	Insert pictures into paragraphs	Bleser	151
picmac	A picture mode in Plain T <sub>E</sub> X	Knuth	290
pict2e	New implementation of picture commands	Gäßlein, Niepraschk, Tkadlec	221

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
pictex-autoarea	Automatic computation of bounding boxes with PiCTeX	Lück	323
PicTeX	Picture drawing macros for T <sub>E</sub> X and L <sup>A</sup> T <sub>E</sub> X	Wichura	528
pictex2	Adds relative coordinates and improves the \plot command	Park	380
PicTeXsum	A summary of PicTeX commands	Duggan	197
pictexwd	A patched version of PicTeX using fewer registers	Schrell	429
picture	Dimens for picture macros	Oberdiek	369
piechart	Simple pie-charts with PSTricks	Girou	225
piechartmp	Draw pie-charts using MetaPost	Morawski	348
piff-ams	Early macros for using AMS fonts	Piff	387
piff	Macro tools by Mike Piff	Piff, Carlisle	387
pifont	Access to PostScript standard Symbol and Dingbats fonts	Schmidt, L <sup>A</sup> T <sub>E</sub> X Team, Rahtz	427
pigpen	A font for the pigpen (or masonic) cipher	Corff	182
pinlabel	A T <sub>E</sub> X labelling package	Rourke	415
pinouTikZ	Draw chip pinouts with TikZ	Blazek	151
pitex	Documentation macros	Isambert, Robbers	263
piton	Typeset Python listings with LPEG	Pantigny	379
pittetd	Electronic Theses and Dissertations at Pitt	Garcia-De Castro, Fudrow	172
pitthesis	Document class for University of Pittsburgh theses	Kim	281
pixelart	Draw pixel-art pictures	Paternault	382
PixelArtTikz	Work with PixelArts, with TikZ	Pierquet	386
pkbbox	Derive glyph bounding boxes by building PK file	Walsh	523
pkfind	A ‘find’ command which understands pk files	Vojta	514
pkfix-helper	Make PostScript files accessible to pkfix	Pakin	377
pkfix	Replace pk fonts in PostScript with Type 1 fonts	Oberdiek	369
pkgcheck	CTAN package checker	Lotz	321
pkgloader	Manage the options and loading order of other packages	Helvensteijn	249
pkuthss	L <sup>A</sup> T <sub>E</sub> X template for dissertations in Peking University	Vector	507
pkware	Utility programs for use with PK bitmap fonts	Rokicki, T <sub>E</sub> XLive	411
pl-mf	Polish extension of Computer Modern fonts	Jackowski, Ryćko	265
pl	Literate Programming for Prolog with L <sup>A</sup> T <sub>E</sub> X	Neugebauer	357
placeat	Absolute content positioning	Trautmann	490
placeins-plain	Insertions that keep their place	Arseneau	133
placeins	Control float placement	Arseneau	133
plain-cm	Variable sized fonts in Plain T <sub>E</sub> X	Brotsky, Horn	160
plain-ltx	Make plain T <sub>E</sub> X files L <sup>A</sup> T <sub>E</sub> Xable	Carlisle	169
plain	The Plain T <sub>E</sub> X format	Knuth	290
plainmisc	Miscellaneous contributed macros for plain T <sub>E</sub> X	Unknown	500
plainpkg	A minimal method for making generic packages	Lück	324
plainyr	Plain bibliography style, sorted by year first	Perrone	384
plantslabels	Write labels for plants	Merciadri	340
plantuml	Support for rendering UML diagrams using the syntax and tool of PlantUML	Kopp	295
plari	Typesetting stageplay scripts	Kaijanaho	272
plates	Arrange for “plates” sections of documents	Tanbakuchi	471
platex-tools	pL <sup>A</sup> T <sub>E</sub> X standard tools bundle	Yamashita	538
platex	pLaTeX2e and miscellaneous macros for pTeX	Maeda, Japanese T <sub>E</sub> X Team	329
platexcheat	A L <sup>A</sup> T <sub>E</sub> X cheat sheet, in Japanese	Asakura	135
plautopatch	Automated patches for pLaTeX/upLaTeX	Yamashita	539
play-font	The Play font face with support for L <sup>A</sup> T <sub>E</sub> X and pdfLaTeX	Ebinger	199
play	Typeset drama using L <sup>A</sup> T <sub>E</sub> X	Kilfiger	280
playfair	Playfair Display fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	477
plcalendar	Plain macros for making nice calendars	Unknown	500
plex-otf	Support for the OpenType font IBM Plex	Voß	517
plex	Support for IBM Plex fonts	Tennent	477
plfonts	Polish extension to Computer Modern fonts	Unknown	500

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
plhyph	Hyphenation for Polish	Kołodziejska, Jackowski, Ryćko	295
plimsoll	Fonts with the Plimsoll symbol and L <sup>A</sup> T <sub>E</sub> X support	Jørgensen	271
plipsum	'Lorem ipsum' for Plain T <sub>E</sub> X developers	Spina	449
plnfs	Font selection for Plain T <sub>E</sub> X	Thành, Konecny, Kotucha	478
plpsfont	Polish extension of CM fonts in Type 1 format	Nowacki	363
plstmary	St. Mary's Road font support for plain T <sub>E</sub> X	Luecking	325
pm-isomath	Poor man ISO math for pdfL <sup>A</sup> T <sub>E</sub> X users	Beccari	143
pmat	Typeset partitioned matrices	Oliveira e Silva	443
pmboxdraw	Poor man's box drawing characters	Oberdiek	369
pmcstex	L <sup>A</sup> T <sub>E</sub> X in emTeX IDE/FrontEnd for EPM	Mikulik	341
pmdb	Create a DB (PDF) document for selecting content for inclusion in another documents	Story	458
pmdpl	Examples from "Praca magisterska i dyplomowa"	Przechlewski	392
pmgraph	"Poor man's" graphics	Berdnikov, Grineva	148
pmhanguljamo	Poor man's Hangul Jamo input method	Kim	281
pmtex	Preprocessor for MusicT <sub>E</sub> X	Simons	443
pmx	Preprocessor for MusiX <sub>T</sub> E <sub>X</sub>	Simons, Tennent	443
pmxchords	Produce chord information to go with pmx output	Fafejta	205
PNAS	BibT <sub>E</sub> X style for PNAS (old version)	Rogers	410
PNAS 2009	BibT <sub>E</sub> X style for PNAS (newer version)	Rogers	410
png2pdf	PNG to PDF converter	Krause	297
poemscot	Typesetting Critical Editions of Poetry	Burt	165
poetica	Support for Adobe Poetica fonts in Type 1 format	Hoenig	254
poetry	Facilities for typesetting poetry and poetical structure	Goodman	229
poetrytex	Typeset anthologies of poetry	Whited	528
pointruler	12" Ruler containing Points and Inches	Henderson	250
poiretone	PoiretOne family of fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	477
polexpr	A parser for polynomial expressions	Burnol	164
poligraf	A T <sub>E</sub> X macro package for prepress	Nowacki	364
poliski	Typeset Polish documents with L <sup>A</sup> T <sub>E</sub> X and Polish fonts	Olko, Woliński	372
polowski	Antykwa Półtawskiego Family of Fonts	Jackowski, Nowacki	264
polyglossia	An alternative to babel for X <sub>Y</sub> L <sup>A</sup> T <sub>E</sub> X and LuaLaT <sub>E</sub> X	Charette, Rosendahl, Spitzmüller	174
polynom	Macros for manipulating polynomials	Heinz, Adriaens	248
polynomial	Typeset (univariate) polynomials	Höst	259
polytable	Tabular-like environments with named columns	Löh	316
poorman	Raster Chinese and Japanese fonts	Ridgeway	403
poormanlog	Logarithms and powers with (almost) 9 digits	Burnol	164
popupmenu	Create popup menus in PDF files	Story	458
Portable MikT <sub>E</sub> X	Instructions for setting up MikT <sub>E</sub> X on a portable device	Grahn	231
portland	Simple portrait/landscape switching	Partl	381
pos-at	Position things at absolute positions on the page	Hogben, Gaulle	256
postage	Stamp letters with »Deutsche Post«'s service »Internetmarke«	Reimer	400
postcards	Facilitates mass-mailing of postcards (junkmail)	Kleb	283
poster-mac	Make posters and banners with T <sub>E</sub> X	Van Zandt	543
poster	Scale PostScript images for larger media or tiling	van Eijndhoven	201
postnotes	Endnotes for L <sup>A</sup> T <sub>E</sub> X	Barros	139
powerdot-fuberlin	Powerdot, using the style of FU Berlin	Voß	517
powerdot-tuliplab	A style package for Powerdot to provide the design of TULIP Lab	Li	313
powerdot	A presentation class	Adriaens, Ellison	127
ppchtex	Typeset chemical formula diagrams	Hagen	240
pplp	Generate VMS help files from L <sup>A</sup> T <sub>E</sub> X 2.09 source	Gray	233
ppower4	A postprocessor for PDF presentations	Guntermann	238
ppr-prv	Prosper preview	Goutelle	231



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
ppt-slides	Good-looking slide decks à la PowerPoint (PPT)	Bugayenko	163
pracjourn	Typeset articles for PracTeX	Robertson	405
practical-latex	Example files for “Practical L <sup>A</sup> T <sub>E</sub> X”	Grätzer	233
practicalreports	Some macros for writing practical reports	Cawood	172
precatl	Prepare special catcodes from token list	user202729	504
prelim	Mark preliminary copies with a line of information	Tolksdorf	489
prelim2e	Allows the marking of preliminary versions of a document	Schröder, Peischl	431
prepr	Preprint macros	Calvani	167
preprint	A bundle of packages provided “as is”	Daly	186
prerex	Interactive editor and macro support for prerequisite charts	Tennent	477
present	Presentations with Plain T <sub>E</sub> X	Meister	339
presentations-en	Examples from the book Presentations with L <sup>A</sup> T <sub>E</sub> X	Voß	517
presentations	Examples from the book Presentationen mit L <sup>A</sup> T <sub>E</sub> X	Voß	517
pressrelease	A class for typesetting press releases	Talbot	469
prettyref	Make label references “self-identify”	Ruland	418
prettytok	Pretty-print token lists	user202729	504
preview-latex	Preview equations in Emacs	Kastrup	275
preview	Extract bits of a L <sup>A</sup> T <sub>E</sub> X source for output	Kastrup, The AUCTeX Team	275
prftree	Macros for building proof trees	Benini	147
principia	Notations for typesetting the “Principia Mathematica”	Elkind	201
printbib	Print the contents of a bibliography	Unknown	500
printlen	Print lengths using specified units	Robertson, Wilson, Harders	408
proba	Shortcuts commands to symbols used in probability texts	Nguyen-Ngoc	358
probsoln	Generate problem sheets and their solution sheets	Talbot	469
proc	Class for producing “proceedings”	L <sup>A</sup> T <sub>E</sub> X Team	484
processkv	Process key-value pairs	Sauer	420
procIAGssymp	Macros for IAG symposium papers	Benciolini	147
prodint	A font that provides the product integral symbol	Gill, Loredó-Osti	225
productbox	Typeset a three-dimensional product box	Neugebauer	357
ProfCollege	A L <sup>A</sup> T <sub>E</sub> X package for French maths teachers in college	Poulain	391
proflabo	Draw laboratory equipment	Mounier	349
ProfLycee	A L <sup>A</sup> T <sub>E</sub> X package for French maths teachers in high school	Pierquet	386
progkeys	Typeset programs, recognising keywords	Alabau	128
program	Typesetting programs and algorithms	Ward	524
progress	Creates an overview of a document’s state	Graversen	233
progressbar	Visualize shares of total amounts in the form of a (progress-)bar	Jira	269
ProjLib	A series of tools to simplify your workflow	XU	538
proof-at-the-end	A package to move proofs to appendix	Colisson	181
proof	Shell based proofing for T <sub>E</sub> X-related files	Bosau	155
proofread	Commands for inserting annotations	Dekker	189
proofs	Macros for building proof trees	Taylor	472
prooftrees	Forest-based proof trees (symbolic logic)	Rees	399
properties	Load properties from a file	Niedermair	360
proposal	A set of L <sup>A</sup> T <sub>E</sub> X classes for preparing proposals for collaborative projects	Kohlhase	292
prosper	L <sup>A</sup> T <sub>E</sub> X class for high quality slides	Goualard	230
protecteddef	Define protected commands	Oberdiek	369
protex	Literate programming package	The TeX4ht Team, Gurari	479
protext	A MikTeX-based T <sub>E</sub> X installation for MS-Windows	Feuerstack	209
protocol	A class for minutes of meetings	Leineweber	310
protosem	Fonts for proto-Semitic cuneiform script	Wilson	532
prtec	A template for PRTEC conference papers	Lienhard	314
prv	Compile, preview, and print L <sup>A</sup> T <sub>E</sub> X documents	Dekker	189
przechlewski-book	Examples from Przechlewski’s L <sup>A</sup> T <sub>E</sub> X book	Przechlewski	392
ps2eps	Produce Encapsulated PostScript from PostScript	Bless	152

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
ps2mf	Make Metafont files from Adobe Type 1 files	Vens	507
ps2pk	Generate a PK font from an Adobe Type 1 font	Tutelaers, MacKay, T <sub>E</sub> XLive	493
ps4mf-dos	Convert Adobe Type 1 fonts to Metafont, MS-DOS version	Neteler	356
ps4mf	Convert Adobe Type 1 fonts to Metafont	Neteler	356
ps4pdf	Use PostScript commands inside a pdfL <sup>A</sup> T <sub>E</sub> X document	Niepraschk	361
ps_conv	A converter from PostScript to Encapsulated PostScript	BOP	154
ps_view	A PostScript previewer of PostScript files	BOP	154
psbao	Draw Bao diagrams	Vessella	509
psbox	PostScript box macros, etc	Orloff	374
psboxit	Enables one to put a PostScript drawing behind a T <sub>E</sub> X box	Maillot	330
pseudo	Straightforward pseudocode	Hetland	252
pseudocode	L <sup>A</sup> T <sub>E</sub> X environment for specifying algorithms in a natural way	Kreher	297
psfig	A graphics inclusion package	Darrell	187
psfixbb	Correct the bounding box of a PostScript file	Dominek, Karl	193
psfont	Alternative font handling in L <sup>A</sup> T <sub>E</sub> X	Kirsch	282
psfonts-tools	Tools for creating a distribution of font metrics	Rahtz, Tutelaers	396
psfonts	PostScript fonts for use with T <sub>E</sub> X and L <sup>A</sup> T <sub>E</sub> X	Unknown	500
Il sistema PSfrag	PSfrag documentation in Italian	Chiesa	178
psfrag	Replace strings in encapsulated PostScript figures	Grant, Carlisle, Barratt	232
psfragger	Use psfrag and L <sup>A</sup> T <sub>E</sub> X to label an eps file	Cermelj	173
psfragx	A psfrag eXtension	Kockaert	291
psgo	Typeset go diagrams with PSTricks	Bos	155
psgreek	L <sup>A</sup> T <sub>E</sub> X support for Greek Type 1 fonts	Kryukov, Justen	299
psizzl	A T <sub>E</sub> X format for physics papers	Ogawa	371
pslatex	Use PostScript fonts by default	Carlisle	169
psmerge	Concatenate PostScript files	Duggan	197
psnfss-source	Sources of the metrics used in PSNFSS	Schmidt, Harcombe	426
psnfss	Font support for common PostScript fonts	Schmidt, Harcombe, L <sup>A</sup> T <sub>E</sub> X Team, Rahtz	427
psnfssx-8r	Raw Type 1 fonts with L <sup>A</sup> T <sub>E</sub> X	Unknown	501
psnfssx-adobe	Packages to use a selection of Adobe Type 1 fonts	Rahtz	395
psnfssx-em	Support for the em family of fonts	Horn, Carlisle	258
psnfssx	Extra styles and encodings for PostScript fonts	Schmidt, Harcombe, Rahtz	427
pspic	Drawing pictures using PostScript specials	Thorup	487
pspicture	PostScript picture support	Carlisle	169
psrip	Extract images from PostScript files	Lackas	303
pssplit	Select pages from PostScript files	Kleiweg	286
pst-2dplot	A PSTricks package for drawing 2D curves	Delgosha	189
pst-3d	A PSTricks package for tilting and other pseudo-3D tricks	Van Zandt, Voß	544
pst-3dplot	Draw 3D objects in parallel projection, using PSTricks	Voß	518
pst-abspos	Put objects at an absolute position	Voß	518
pst-am	Simulation of modulation and demodulation	Luque, Voß	326
pst-antiprism	A PSTricks related package which draws an antiprism	Voß, Luque	520
pst-arrow	Special arrows for PSTricks	Voß	518
pst-asr	Typeset autosegmental representations for linguists	Frampton	216
pst-bar	Produces bar charts using PSTricks	Ristow, Voß	403
pst-barcode	Print barcodes using PostScript	Burton, Voß	165
pst-bezier	Draw Bezier curves	Nähring, Voß	355
pst-blur	PSTricks package for "blurred" shadows	Giese, Voß	224
pst-bspline	Draw cubic Bspline curves and interpolations	Sharpe	438
pst-calculate	Support for floating point operations at L <sup>A</sup> T <sub>E</sub> X level	Voß	518
pst-calendar	Plot calendars in "fancy" ways	Luque, Voß	326
pst-cie	CIE color space	Luque, Voß	326
pst-circ	PSTricks package for drawing electric circuits	Voß, Jorssen	520
pst-coil	A PSTricks package for coils, etc	Voß, Van Zandt	520

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
pst-contourplot	Draw implicit functions using the “marching squares” algorithm	Luque	326
pst-cox	Drawing regular complex polytopes with PSTricks	Luque	326
pst-dart	Plotting dart boards	Voß	518
pst-dbicons	Support for drawing ER diagrams	May	336
pst-diffraction	Print diffraction patterns from various apertures	Luque, Voß	326
pst-electricfield	Draw electric field and equipotential lines with PSTricks	Gilg, Luque, Megrét, Voß	225
pst-eps	Create EPS files from PSTricks figures	Voß, Van Zandt	520
pst-eucl-transl...	Bulgarian translation of the pst-eucl documentation	Karakoleva	273
pst-eucl	Euclidian geometry with PSTricks	Rodriguez, Voß	409
pst-exa	Typeset PSTricks examples, with code	Voß	518
pst-feyn	Draw graphical elements for Feynman diagrams	Voß	518
pst-fill	Fill or tile areas with PSTricks	Girou, Voß	226
pst-fit	Macros for curve fitting	Ledger, Voß	308
PST-Flags	Draw flags of countries using PSTricks	Manthanwar	331
pst-fp	Fixed-point arithmetic in PSTricks	Voß	518
pst-fr3d	Draw 3-dimensional framed boxes using PSTricks	Girou	225
pst-fractal	Draw fractal sets using PSTricks	Voß	518
pst-fun	Draw “funny” objects with PSTricks	Luque, Voß	327
pst-func	PSTricks package for plotting mathematical functions	Voß	518
pst-gantt	Draw GANTT charts with PSTricks	Girou, Voß	226
pst-geo	Geographical Projections	Luque, Matarazzo, Voß	326
pst-geometrictools	A PSTricks package to draw geometric tools	Söll, Voß	447
pst-gr3d	Three dimensional grids with PSTricks	Girou, Voß	226
pst-grad	Filling with colour gradients, using PSTricks	Voß, Van Zandt	520
pst-graphicx	A PSTricks-compatible graphicx for use with Plain T <sub>E</sub> X	Voß	518
pst-hsb	Curves with continuous colours	Voß	518
pst-infixplot	Using PSTricks plotting capacities with infix expressions rather than RPN	Jorssen, Charpentier	271
pst-intersect	Compute intersections of arbitrary curves	Bersch	149
pst-Jtree	Typeset complex trees for linguists	Frampton	216
pst-knot	PSTricks package for displaying knots	Voß	518
pst-labo	Draw objects for Chemistry laboratories	Girou, Jorssen, Luque, Voß	225
pst-layout	Page layout macros based on PSTricks packages	Sharpe	438
pst-lens	Lenses with PSTricks	Luque, Girou, Voß	326
pst-light3d	Three dimensional lighting effects (PSTricks)	Girou, Kleiweg	225
pst-lsystem	Create images based on a L-system	Voß	518
pst-magneticfield	Plotting a magnetic field with PSTricks	Gilg, Luque, Voß	225
pst-marble	A PSTricks package to draw marble-like patterns	Gilg, Luque, Jaffer	225
pst-math	Enhancement of PostScript math operators to use with PSTricks	Jorssen, Voß	271
pst-mirror	Images on a spherical mirror	Luque, Voß	327
pst-moire	A PSTricks package to draw moiré patterns	Gilg, Luque, Sarlat	225
pst-node	Nodes and node connections in PSTricks	Van Zandt, Sharpe, Voß	544
pst-ob3d	Three dimensional objects using PSTricks	Girou, Voß	226
pst-ode	Solving initial value problems for sets of Ordinary Differential Equations	Grahn	231
pst-optexp	Drawing optical experimental setups	Bersch	149
pst-optic	Drawing optics diagrams	Luque, Voß	327
pst-osci	Oscgons with PSTricks	Luque, Jorssen	326
pst-ovl	Create and manage graphical overlays	Van Zandt, Voß	544
pst-pad	Draw simple attachment systems with PSTricks	Drechsler	195
pst-pdf	Make PDF versions of graphics by processing between runs	Niepraschk, Gäßlein	361
pst-pdgr	Draw medical pedigrees using PSTricks	Veytsman, Akhmadeeva	512
pst-perspective	Draw perspective views using PSTricks	Söll	447
pst-platon	Platonic solids in PSTricks	Luque, Voß	327
pst-plot	Plot data using PSTricks	Van Zandt, Voß	544

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
pst-poker	Drawing poker cards	Voß	518
pst-poly	Polygons with PSTricks	Girou, Voß	226
pst-pulley	Plot pulleys, using PSTricks	Söll	447
pst-qtree	Simple syntax for trees	Chiang, Gildea	177
pst-rputover	Place text over objects without obscuring background colors	Söll, Osborne	447
pst-rubans	Draw three-dimensional ribbons	Luque, Voß	327
pst-shell	Plotting sea shells	Voß, Luque	520
pst-sigsys	Support of signal processing-related disciplines	Delgosha	189
pst-sipe	Sophisticated colour gradients	Giese, Voß	224
pst-solarsystem	Plot the solar system for a specific date	Luque, Voß	327
pst-solides3d	Draw perspective views of 3D solids	Vignault, Luque, Schmittbuhl, Voß	513
pst-soroban	Draw a Soroban using PSTricks	Delmotte	189
pst-spectra	Draw continuum, emission and absorption spectra with PSTricks	Schmittbuhl	427
pst-spinner	Drawing a fidget spinner	Voß, Luque	520
pst-spirograph	Drawing hypotrochoids as with a spirograph	Luque, Voß	327
pst-stru	Civil engineering diagrams, using PSTricks	Matarazzo, Luque, Voß	333
pst-support	Assorted support files for use with PSTricks	Voß	518
pst-text	Text and character manipulation in PSTricks	Voß, Van Zandt	520
pst-thick	Drawing very thick lines and curves	Luque, Voß	327
pst-tools	PSTricks support functions	Voß	519
pst-tree	Trees, using PSTricks	Voß, Girou, Van Zandt	520
pst-turtle	Commands for “turtle operations”	Voß	519
pst-tvz	Draw trees with more than one root node, using PSTricks	Van Zandt, Voß	544
pst-uml	UML diagrams with PSTricks	Diamantini	191
pst-vectorian	Printing ornaments	Fradin	216
pst-vehicle	A PSTricks package for rolling vehicles on graphs of mathematical functions	Söll, Voß	447
pst-venn	A PSTricks package for drawing Venn sets	Voß	519
pst-vowel	Enable arrows showing diphthongs on vowel charts	Munn	351
pst-vue3d	Draw perspective views of three dimensional objects	Luque, Voß	327
pst-xkey	Key-value syntax for PSTricks packages	Adriaens	127
pst2pdf	A script to compile PSTricks documents via pdfTeX	Voß, González Luengo	520
psdoc	A tool for PSTricks documentation	Sharpe	438
pstex	Processor for including figures in L <sup>A</sup> T <sub>E</sub> X	Hunt	261
psuedit	Translate PostScript and PDF to other formats	Glunz	226
psuool	Support for psfrag within pdfLaTeX	Robertson, Prime	406
psuotext	Extract ASCII from PostScript and PDF	Birrell, McJones	151
pstrees	Construct linguistics trees using a preprocessor	Sternefeld	454
pstricks-add	A collection of add-ons and bugfixes for PSTricks	Voß, Rodriguez	520
pstricks-base	PostScript macros for T <sub>E</sub> X	Voß, Girou, Van Zandt	520
pstricks-calcnates	Use of PSTricks in calculus lecture notes	Quan	393
pstricks-exampl...	PSTricks examples files of the 7th edition of the book PSTricks	Voß	519
pstricks-exampl...	Examples from PSTricks book (English edition)	Voß	519
pstricks-examples	PSTricks examples	Voß	519
pstring	Typeset sequences with justification pointers	Blum	152
psu-thesis	Package for writing a thesis at Penn State University	Floros	214
psutils	PostScript utilities	Duggan	197
ptex-base	Plain T <sub>E</sub> X format for pTeX and e-pTeX	Japanese T <sub>E</sub> X Team, Maeda	267
ptex-fontmaps	Font maps and configuration tools for Japanese/Chinese/Korean fonts with (u)ptex	Japanese T <sub>E</sub> X Team	267
ptex-fonts	Fonts for use with pTeX	Japanese T <sub>E</sub> X Team, Maeda	267
ptex-manual	Japanese pTeX manual	Japanese T <sub>E</sub> X Team	267
ptex-texmf	Macro and other extensions for use with PTeX	Japanese T <sub>E</sub> X Team	267
ptex	A T <sub>E</sub> X system for publishing in Japanese	Japanese T <sub>E</sub> X Team	267

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
ptex2pdf	Convert Japanese $\TeX$ documents to PDF	Japanese $\TeX$ Team	267
ptext	A ‘lipsum’ for Persian	Damanafshan	187
pthyphs	Hyphenation Patterns for Portuguese	de Rezende	402
ptmsc	Addon to the newtx package	Sharpe	438
ptolemaicastronomy	Diagrams of sphere models for variably strict conditionals (Lewis counterfactuals)	Zach	543
ptptex	Macros for ‘Progress of Theoretical Physics’	Tomonaga, Yukawa	490
ptsans	PT Sans font and $\LaTeX$ support	Farar	207
ptserif	PT Serif font and $\LaTeX$ support	Farar	207
Punk- $\LaTeX$	$\LaTeX$ support for punk fonts	Jørgensen	271
punk	Donald Knuth’s punk font	Knuth, Grover	291
punknova	OpenType version of Knuth’s Punk font	Hosny, Knuth	259
purifyeps	Make EPS work with both $\LaTeX$ /dvips and pdf $\LaTeX$	Pakin	378
PuyoTikZ	Quickly typeset board states of Puyo Puyo games	Osborne	375
pwebmac	Consolidated WEB macros for DVI and PDF output	Scherer	424
PWT	An outline of publishing with $\TeX$	van der Laan	303
pxbase	Tools for use with (u)p $\LaTeX$	Yato	541
pxchfon	Japanese font setup for p $\LaTeX$ and up $\LaTeX$	Yato	541
pxcjkcat	$\LaTeX$ interface for the CJK category codes of up $\TeX$	Yato	541
pxfonts	Palatino-like fonts in support of mathematics	Ryu	419
pxgreek	Shape selection for PX fonts Greek letters	Burnol	164
pxjahyper	Hyperref support for p $\LaTeX$	Yato	541
pxjodel	Help change metrics of fonts from japanese-otf	Yato	541
pxpgfmark	e- $\TeX$ driver for PGF inter-picture connections	Yato	541
pxpic	Draw pixel pictures	Spratte	450
pxrubrica	Ruby annotations according to JIS X 4051	Yato	541
pxtatescale	Patch to graphics driver for scaling in vertical direction of p $\TeX$	Yamashita	539
ptxalfa	Virtual maths alphabets based on pxfonts and txfonts	Sharpe	438
pxufont	Emulate non-Unicode Japanese fonts using Unicode fonts	Yato	541
pybib	Command line utilities to check, sort, merge Bib $\TeX$ files	Corke	183
pybliographer	A tool for managing bibliographic databases	Gobry	227
pydocstrip	Scripted version of $\LaTeX$ docstrip	Huynh	262
pygmentex	Use Pygments to format code listings in documents	Malaquias	330
PyLua $\TeX$	Execute Python code on the fly in your $\LaTeX$ documents	Enderle	203
python	Embed Python code in $\LaTeX$	Ehmsen	200
pythonhighlight	Highlighting of Python code, based on the listings package	Verdier	507
pythonimmediate	Library to run Python code	user202729	504
pythontex	Run Python from within a document, typesetting the results	Poore	390
pzccl	Zapf Chancery as calligraphic math alphabet	Milde	342
<b>QQQQQ</b>			
qbibman	Graphical frontend to BibTool	Goertz	227
qcircuit	Macros to generate quantum circuits	Eastin, Flammia, Scholten	198
QCM	A $\LaTeX$ 2e class for making multiple choice questionnaires	Verna	508
qdtexvpl	Quick and dirty virtual font creation	Mattes	334
qed	Produce an “end-of-proof” mark	Taylor	472
qfig	DOS graphics program	Ofosu-Amaah	371
qfonts	PostScript (Adobe Type 1) fonts in QX layout	JNS team, Jackowski, Nowacki, Strzelczyk	269
qm	Commands for bras and kets and the like	Christlieb	178
qms	VMS tools for controlling QMS printers	Unknown	501
qobitree	$\LaTeX$ macros for typesetting trees	Siskind	444
qrbill	Create QR bills using $\LaTeX$	Peischl, Antener	384
qrcode	Generate QR codes in $\LaTeX$	Hendrickson	250
qrstamps	Create QR codes using stamps	Story	458
qsharp	Syntax highlighting for the Q# language	Granade	231



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
qstest	Bundle for unit tests and pattern matching	Kastrup	275
qsymbols	Maths symbol abbreviations	Rose	412
qtree	Draw tree structures	Dimitriadis, Siskind	192
qualitytype	The QualiType font collection	Miller	343
quantikz	Draw quantum circuit diagrams	Kay	275
quantumarticle	Document class for submissions to the Quantum journal	Quantum – the open journal for quantum science, Meyer, Gogolin	393
quattrocento	Quattrocento and Quattrocento Sans fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	477
quicktype	L <sup>A</sup> T <sub>E</sub> X package for quick typesetting	Mifsud	341
quiz2socrative	Prepare questions for socrative quizzes	Lella	311
quotation	Typeset an attributed quotation	Unknown	501
quotchap	Decorative chapter headings	Klever, Tinnefeld	286
quote	Match pairs of double-quote characters	Goatley	227
quotes	Smart double quotes in L <sup>A</sup> T <sub>E</sub> X input	Bosio	155
quoting	Consolidated environment for displayed text	Titz	488
quotmark	Consistent quote marks	Talbot	469
quran-bn	Bengali translations to the quran package	Razavian	398
quran-de	German translations to the quran package	Razavian	398
quran-ur	Urdu translations to the quran package	Razavian	398
quran	An easy way to typeset any part of The Holy Quran	Razavian	398
qyxf-book	Book Template for Qian Yuan Xue Fu	You	542
<b>RRRRR</b>			
r_und_s	Chemical hazard codes	Nordenholz	362
r2bib	Convert refer and EndNote files to BibTeX	Mathar	333
ragged	Generic ragged left and ragged right options	Siebenmann	442
ragged2e	Alternative versions of “ragged”-type commands	Schröder, Peischl	431
raggedr	Set an entire document raggedright	Kilfeger	280
rail	Syntax specification in EBNF	Rooijakkers, Barthelmann	412
rake4latex	A rake-based tool to compile L <sup>A</sup> T <sub>E</sub> X projects	Lickert	314
raleyway	Use Raleyway with T <sub>E</sub> X(-alike) systems	Hofstra	255
ran_toks	Randomise token strings	Story	458
randbild	Marginal pictures	Ebermann	198
random	Generating “random” numbers in T <sub>E</sub> X	Arseneau	133
randomlist	Deal with database, loop, and random in order to build personalized exercises	Charpentier, Tellechea	174
randomwalk	Random walks using TikZ	Le Floch	214
randtext	Randomise the order of characters in strings	Duan	196
rangecite	Will turn a range of citations into something like [1..3]	Dershowitz, Reingold	190
rangen	Generate random integers, rational and decimal numbers	Story	458
rank-2-roots	Draw (mathematical) rank 2 root systems	McKay	337
ransom	A “very bad typewriter” font	Knuth	290
ratex	A package for German lawyers	Vosberg	515
ratexdb	Database reports using L <sup>A</sup> T <sub>E</sub> X and Ruby	Höns	258
rawfonts	Low level font compatibility mode for L <sup>A</sup> T <sub>E</sub> X	Jeffrey, L <sup>A</sup> T <sub>E</sub> X Team	268
rawprint	Print raw Russian text	Veytsman	511
rbt-mathnotes	Rebecca Turner’s personal macros and styles for typesetting mathematics notes	Turner	493
rccol	Decimal-centered optionally rounded numbers in tabular	Guthöhrlein	239
rct-multi	Typeset RCS version control in multiple-file documents	Scharrer	423
rct-pln	RCS data in Plain T <sub>E</sub> X documents	Rose	412
rct	Use RCS (revision control system) tags in L <sup>A</sup> T <sub>E</sub> X documents	Schrod, Gilbey	430
rctinfo	Support for the revision control system	Vollmer	515
ReadableCV	A highly readable and good looking CV and letter class	Stone	455
readarray	Read, store and recall array-formatted data	Segletes	434

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
readprov	Provides GetFileInfo without the need to load the file	Lück	324
realboxes	Variants of common box-commands that read their content as real box and not as macro argument	Scharrer	423
realcalc	Macros for real arithmetic calculations	Buchholz	161
realhats	Put real hats on symbols instead of $\wedge$	Scroggs, Townsend	434
realscripts	Access OpenType subscript and superscript glyphs	Robertson	405
realtranspose	The “real” way to transpose a Matrix	Quentin	393
rec-thy	Commands to typeset recursion theory papers	Gerdes	222
recipe	A L <sup>A</sup> T <sub>E</sub> X class to typeset recipes	Loreti	321
recipebook	Typeset 5.5” x 8” recipes for browsing or printing	Granger	232
recipecard	Typeset recipes in note-card-sized boxes	Reish	401
recorder-fingering	Package to display recorder fingering diagrams	Munn	352
rectopma	Recycle top matter	Benciolini	147
recycle	A font providing the “recyclable” logo	Green, Pakin	234
redefine	Conditional macro, etc., definitions	Unknown	501
redis	A Hebrew font	Goldberg	227
REdit	Menu-based editor	Rogalla	409
refcheck	Check references (in figures, table, equations, etc)	Motygin	349
refcount	Counter operations with label references	Oberdiek	369
refenums	Define named items and provide back-references with that name	Kopp	295
refer-tools	Convert between refer format and BibTeX format	Mareschal, Fastenrath, McHale, Jacobsen, Roth, Palm, Kautz, Fritzsche	331
refer	Convert a BibTeX bibliography to refer format	McHale	337
references	Bibliographic software supporting L <sup>A</sup> T <sub>E</sub> X/BibTeX	Kiefel	279
reflectgraphics	Techniques for reflecting graphics	Reiche	400
refman	Format technical reference manuals	Kielhorn, Partl	280
refreshpdf	Refresh PDF files “remotely”	Gerhardt	223
refstyle	Advanced formatting of cross references	Els	202
regcount	Display the allocation status of the T <sub>E</sub> X registers	Drucbert	195
regexpatch	High level patching of commands	Gregorio	235
register	Typeset programmable elements in digital hardware (registers)	Lovell	322
regstats	Information about register use	Münch	350
reledmac	Typeset scholarly editions	Rouquette	415
reledpar	Typeset scholarly editions in parallel texts	Rouquette	415
relenc	A “relaxed” font encoding	Hellström	249
resize	Set the font size relative to the current font size	Swift, Arseneau	462
removefr	Remove from counter-reset lists	Arseneau	133
remreset	Remove counters from reset list	Carlisle	169
renditions	Multiple versions from the same content	Story	458
reotex	Draw Reo Channels and Circuits	Oliveira	372
repeat	Repeat execution of macros	Eijkhout	201
repeatindex	Repeat items in an index after a page or column break	Harders	244
repere	MetaPost macros for secondary school mathematics teachers	Péault	382
repltext	Control how text gets copied from a PDF file	Pakin	378
report	Typeset a multi-chapter report	L <sup>A</sup> T <sub>E</sub> X Team	484
required	Packages “required” of a L <sup>A</sup> T <sub>E</sub> X distribution	L <sup>A</sup> T <sub>E</sub> X Team, Rahtz, Schmidt, Volovich	485
rerunfilecheck	Checksum based rerun checks on auxiliary files	Oberdiek	369
res	A resumé class	Krishnamurthy, DeCorte	297
rescansync	Re-scan tokens with synctex information	user202729	504
resizegather	Automatically resize overly large equations	Oberdiek	369
resmes	Measure restriction symbol in L <sup>A</sup> T <sub>E</sub> X	De Donato	193
ResolSysteme	Work on linear systems using xint or py luatex	Pierquet	386
resphilosophica	Typeset articles for the journal Res Philosophica	Veytsman	511

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
rest-api	Describing a rest api	Klein	285
resumecls	Typeset a resume both in English and Chinese	Hu	260
resumemac	Plain T <sub>E</sub> X macros for resumés	Hosek	258
returntogrid	Semi-automatic grid typesetting	Fischer	213
reverxii	Playing Reversi in T <sub>E</sub> X	Le Floch	214
revnum	Reverse enumerate	Wilms	530
revquantum	Hacks to make writing quantum papers for revtex4-1 less painful	Granade	232
revtex	Styles for various Physics Journals	Ogawa, Doyle, Oleinik, Mittelbach	371
revtex4-0	Styles for various Physics Journals (old version)	Ogawa, Doyle, Oleinik, Mittelbach	372
revtex4-1	Styles for various Physics Journals	Ogawa, Doyle, Oleinik, Mittelbach	372
rfc2bib	Generate BibT <sub>E</sub> X entries for IETF RFCs	Mortier	348
rfil	Ruby font installer library	Gundlach	238
RGB	Tables of RGB colour parameters	Loreti	321
rgltxdoc	Common code for documentation of the author's packages	Grewe	236
ribbonproofs	Drawing ribbon proofs	Wickerson	528
richtext	Create rich text strings	Story	458
rjlparschap	Support for use of \parshape in L <sup>A</sup> T <sub>E</sub> X	Lee	309
rlepsz	Rewrite labels in EPS graphics	Rourke	415
rmannot	Create rich media annotations in a PDF file	Story	458
rmathbr	Repeating of math operator at the broken line and the new line in inline equations	Ryabov	418
rmligs	Remove incorrect ligatures in German documents	Jacke	264
rmpage	A package to help change page layout parameters in L <sup>A</sup> T <sub>E</sub> X	McDonnell	337
rmthm	Use a roman font for theorem statements	Verwer	509
rnototex	Convert from Runoff to L <sup>A</sup> T <sub>E</sub> X	Vanroose	506
Robot Man	A fun demo of AcroT <sub>E</sub> X eDucation Bundle facilities	Story	458
robotarm	TikZ powered L <sup>A</sup> T <sub>E</sub> X package to draw parameterized 2D robot arms	Snippe	446
roboto	Support for the Roboto family of fonts	Tennent	477
robustcommand	Declare robust command, with \newcommand checks	Ebermann	199
robustindex	Create index with pagerefs	van der Kallen	273
rojud	A font with the images of the counties of Romania	Bazon	142
romanbar	Write roman number with "bars"	Münch	351
romanbarpagenumber	Typesetting roman page numbers	Schneider	428
romandeadf	Romande ADF fonts and L <sup>A</sup> T <sub>E</sub> X support	Rees	399
romaniantex	L <sup>A</sup> T <sub>E</sub> X support for Romanian	Rezus	402
romanneg	Roman page numbers negative	Wolczko	533
romannum	Generate roman numerals instead of arabic digits	Robertson, Wilson	407
rosario	Using the free Rosario fonts with L <sup>A</sup> T <sub>E</sub> X	Esbat	204
rotate-textures	Box rotation macros for Textures	Karney	274
rotate	Rotate T <sub>E</sub> X boxes	Unknown	501
rotating	Rotation tools, including rotated full-page floats	Fairbairns, Rahtz, L <sup>A</sup> T <sub>E</sub> X Team	206
rotchiffre	Perform simple rotation cyphers	Oberdiek	369
rotfloat	Rotate floats	Sommerfeldt	448
rotpages	Typeset sets of pages upside-down and backwards	Callegari	167
rotunda	Rotunda manuscript book-hand font	Wilson	532
roundbox	Round boxes in L <sup>A</sup> T <sub>E</sub> X	Khalighi, bidi-tex GitHub Organisation	278
roundrect	MetaPost macros for highly configurable rounded rectangles (optionally with text)	Goodman	229
rpg-module	Typesetting old-school Dungeons and Dragons modules	Davis	188
rplain	Redefines the plain pagestyle	Sommerfeldt	448

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
rputover	Place text over PSTricks objects without obscuring background colors	Osborne	375
RRGtrees	Linguistic tree diagrams for Role and Reference Grammar (RRG) with L <sup>A</sup> T <sub>E</sub> X	Gardner	221
rsc	BibTeX style for use with RSC journals	Wright	535
rsfs	Ralph Smith's Formal Script font	Smith, Hoekwater	446
rsfso	A mathematical calligraphic font based on rsfs	Sharpe	438
RST	Drawing rhetorical structure analysis diagrams in L <sup>A</sup> T <sub>E</sub> X	Reitter	401
rterface	Access to R analysis from within a document	Bogue	153
rtf2latex2e	Convert Rich Text Format (RTF) files to L <sup>A</sup> T <sub>E</sub> X2e	Sathyam, Prah	420
rtf2tex	Convert RTF to T <sub>E</sub> X	Lupton	326
rtkinenc	Input encoding with fallback procedures	Hellström	249
rtklage	Make suit details for German courts	Vosberg	515
rtsched	Draw Real-Time scheduling (GANTT) charts	Lipari	315
rubik	Document Rubik cube configurations and rotation sequences	Nickalls, Syropoulos	358
rubikcube	Typeset Rubik cubes and move notation	Nickalls, Syropoulos	358
rubikrotation	Processes a sequence of Rubik rotations	Nickalls, Syropoulos	358
rubiktwo	Typeset Rubik TwoCubes and move notation	Nickalls, Syropoulos	358
ruhyphen	Russian hyphenation	Volovich	515
rule-d	Provide L <sup>A</sup> T <sub>E</sub> X3 commands for typesetting rules	Kohm	293
ruled-tables	Plain T <sub>E</sub> X table macros, with ruled capability	Myers	354
ruler	A typographic ruler for T <sub>E</sub> X	Eijkhout	201
rulerbox	Draw rulers around a box	Yang	539
rulercompass	A TikZ library for straight-edge and compass diagrams	Stacey	451
runcode	Execute foreign source code and embed the result in the pdf file	Bar, Wang	138
rune	Two rune fonts	Grant, Lüddecke	232
runic	Fonts for Anglo-Saxon futhorc script	Wilson	532
runtex	Windows program to run T <sub>E</sub> X variant and various utils as needed	Becker	144
russ	L <sup>A</sup> T <sub>E</sub> X in Russian, without babel	Shashkov	439
russian-help	L <sup>A</sup> T <sub>E</sub> X help in Russian	Lubenets	322
rustic	Roman Rustic manuscript book-hand font	Wilson	532
rutitlepage	Radboud University Titlepage Package	Lubbers	322
rviewport	Relative Viewport for Graphics Inclusion	Veytsman	511
rwwrite	Increase the number of available output streams in L <sup>A</sup> T <sub>E</sub> X	Radhakrishnan	394
ryersonSGSThesis	Ryerson School of Graduate Studies thesis template	Shoaib	441
ryethesis	Class for Ryerson University Graduate School requirements	Lassaline	306
<b>SSSS</b>			
s2latex	A scribe to L <sup>A</sup> T <sub>E</sub> X converter	Jacobson, James	266
sa-tikz	TikZ library to draw switching architectures	Fiandrino	210
sacsymb	"Sacred Symbols" prepared with TikZ	Nyaupane	364
sae	Typeset an SAE technical paper	Franke	217
saferef	Safer references through strong typing of references	Ashton	135
sageep	Format papers for the annual meeting of EEGS	Veytsman	511
SageTeX	Embed Sage code and plots into L <sup>A</sup> T <sub>E</sub> X	Pasechnik, Drake	381
sam2p	Convert bitmap formats to compact PS/PDF	Szabó	465
samples	Samples of Plain T <sub>E</sub> X coding	Unknown	501
sanhyph	Sanskrit hyphenation patterns	Codet	180
sanitize-umlaut	Sanitize umlauts for MakeIndex and pdfLaTeX	Sturm	460
sankey	Draw Sankey diagrams with TikZ	Gaborit	220
sans	Exchange Roman and Sans faces in a document	Knappen	287
sanskrit-t1	Type 1 version of 'skt' fonts for Sanskrit	Korop	296
sanskrit	Sanskrit support	Haisman, Wikner	240
sansmath	Maths in a sans font	Arseneau	133
sansmathaccent	Correct placement of accents in sans-serif maths	Barton	140
sansmathfonts	Extended Computer Modern sans serif fonts	Barton	140
sapthesis	Typeset theses for Sapienza-University, Rome	Biccari	150

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
sarabian	Archaic South Arabian script font	Wilson, Stanier	533
SASnRdisplay	Typeset SAS or R code or output	Madsen	329
sauerj	A bundle of utilities by Jonathan Sauer	Sauer	421
sauter	Wide range of design sizes for CM fonts	Sauter, Nijhof	421
sauterfonts	Use Sauter's fonts in L <sup>A</sup> T <sub>E</sub> X	Barthelmann	140
saveenv	Save environment content verbatim	user202729	504
savefnmark	Save name of the footnote mark for reuse	Kuhlmann	300
savesym	Redefine symbols where names conflict	Göbel	227
savetrees	Optimise the use of each page of a L <sup>A</sup> T <sub>E</sub> X document	Pakin	378
sbtex	A compact T <sub>E</sub> X distribution for MS-DOS	Sullivan	460
sc21-wg1	Title page for the old ISO TC97/SC21/WG1 working group	Unknown	501
sc21	Title page for the old ISO TC97/SC21 committee	Unknown	501
scale	Scale document by sqrt(2) or magstep(2)	Sandmann	420
scalebar	Create scalebars for maps, diagrams or photos	Lake	304
scaleftnt	Rescale fonts to arbitrary sizes	Carlisle	169
scalerel	Constrained scaling and stretching of objects	Segletes	434
scanpages	Support importing and embellishing scanned documents	Sharpe	438
schedule	Weekly schedules	Alexander, Deneault	129
schedule209	Typeset schedules	Pfenning	385
schemabloc	Draw block diagrams, using TikZ	Papanicola	380
schemata	Print topical diagrams	Schaum	423
schemeTeX	Typesetting Scheme programs with L <sup>A</sup> T <sub>E</sub> X	Ramsdell	397
schemeweb	Simple support for literate programming in Lisp	Ramsdell	397
schola-otf	Using the OpenType fonts T <sub>E</sub> X Gyre schola	Voß	519
ScholaX	Extension of T <sub>E</sub> XGyreSchola (New Century Schoolbook) with math support	Sharpe	438
schooldocs	Various layout styles for school documents	Missier	344
schule	Support for teachers at German schools	Pieper, Kuhaupt, Hilbig	386
schulmathematik	Commands and document classes for German-speaking teachers of mathematics and physics	Wehr	526
schulschriften	German "school scripts" from Suetterlin to the present day	Entenmann	203
schwalbe-chess	Typeset the German chess magazine "Die Schwalbe"	Hoening	255
schwell	Calligraphic font for typesetting handwriting in Schwell style	Ludewig	324
scientific-thes...	Provides cover page and affirmation at the end of a thesis	Kopp	296
scientificauthor	Visual L <sup>A</sup> T <sub>E</sub> X editor	Manhiça	331
scientificpaper	Format a scientific paper for journal publication	Aycock	136
scientificviewer	MacKichan software viewer	Pearson	382
SciKGT <sub>E</sub> X	Mark research contributions in scientific documents and embed them in PDF metadata	Bless	152
sciposter	Make posters of ISO A3 size and larger	Wilkinson	529
SciWordConv	Use Scientific Word/WorkPlace files with another T <sub>E</sub> X	Tuleuov	493
sclang-prettyfier	Prettyprinting SuperCollider source code	Cretel	184
scmac	Typeset scripts with Plain T <sub>E</sub> X	Piaw	385
scontents	Stores L <sup>A</sup> T <sub>E</sub> X contents in memory or files	González Luengo	325
scorecard	Format a Baseball scorecard	Wall	523
Scrabble	Commands for Scrabble boards	Pierquet	386
scraddr	Provide data from scrlltr2's address files	Kohm	293
scrambledenvs	Create and print scrambled environments	Chen	175
scrartcl	Koma-Script 'article' class	Kohm	293
scratch	Draw programs like "scratch"	Tellechea	473
scratch3	Draw programs like "scratch"	Tellechea	473
ScratchX	Include Scratch programs in L <sup>A</sup> T <sub>E</sub> X documents	Ralet	397
scrbase	Provide basic features for KOMA-Script	Kohm	293
scrbook	Koma-Script 'book' class	Kohm	293
scrdate	Calendar date operations	Kohm	293



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
screen	Prepare a document for a simple previewer	Unknown	501
screenplay-pkg	Package version of the screenplay document class	Munn	352
screenplay	A class file to typeset screenplays	Pate	381
scrextend	Use of components of KOMA-Script by other packages	Kohm	293
scrindex	Make index package work with Koma-script classes	Oberdiek	369
script-font	Handwriting font	Vanroose	506
script	Variant report and book styles	Neukam, Lichti	357
scriptfonts	A summary of mathematical script fonts for L <sup>A</sup> T <sub>E</sub> X users	Fairbairns	205
ScriptTeX	Macros for scripts and screenplays	McCarthy	336
scripture	A L <sup>A</sup> T <sub>E</sub> X style for typesetting Bible quotations	Purton	393
scrjrn1	Typeset diaries or journals	Pinson	388
scrjura	Koma-Script support for lawyers, etc	Kohm	293
scrlayer-fancyhdr	Combining package fancyhdr with KOMA-Script's scrlayer	Kohm	294
scrlayer-noteco...	Control note columns parallel to the main text	Kohm	294
scrlayer-scrpage	Define and manage page styles	Kohm	294
scrlayer	Manage text 'layers' within Koma-Script	Kohm	294
scrletter	Letter extension to KOMA-Script classes	Kohm	294
scr1file	Installation control for koma-script packages	Kohm	294
scr1ttr2	Koma-Script 'letter' class	Kohm	294
scr1ttr2copy	A letter class option file for the automatic creation of copies	Niepraschk	361
scrpage2	Control of page headers and footers in L <sup>A</sup> T <sub>E</sub> X	Kohm	294
scrreprt	Koma-Script 'report' class	Kohm	294
scrtime	Show the time of a L <sup>A</sup> T <sub>E</sub> X run	Kohm	294
scrwfile	Use L <sup>A</sup> T <sub>E</sub> X .aux file in place of \newwrite files	Kohm	294
scsnowman	Snowman variants using TikZ	Yamashita	539
scyrillic	A family of cyrillic fonts	Samarin, Glonti	419
sdaps	L <sup>A</sup> T <sub>E</sub> X support files for SDAPS	Berg	148
sdr1	Macros for Segmented Discourse Representation Theory	Isambert, Robbers	263
sduthesis	Thesis Template of Shandong University	Huang	260
se2thesis	A Thesis Class for the Chair of Software Engineering II at the University of Passau, Germany	Lukasczyk	325
secdot	Section numbers with trailing dots	Fairbairns, Carlisle	205
seceqn	Number theorems by section	Leichter	310
secnum	A macro to format section numbering intuitively	Gau	221
secret	Put security classification marks in a document	Duchier	196
section	Modifying section commands in L <sup>A</sup> T <sub>E</sub> X	Pretzel	392
sectionbox	Create fancy boxed ((sub)sub)sections	Wilkinson	529
sectionbreak	L <sup>A</sup> T <sub>E</sub> X support for section breaks	Hoftich	256
sectsty	Control sectional headers	McDonnell	337
seealso	Improve the performance of \see macros with makeindex	Liu	315
sehyph	Hyphenation patterns for Swedish	Rynning	418
selectp	Select pages to be output	Arseneau	134
selectpage	Select pages to be output from a document	Knuth	290
selinput	Semi-automatic detection of input encoding	Oberdiek	369
selnolig	Selectively disable typographic ligatures	Loretan	320
SemanTeX	Semantic, keyval-based mathematics	Ørsted	374
semantic-markup	Meaningful semantic markup in the spirit of the Text Encoding Initiative	Cashner	172
semantic	Help for writing programming language semantics	Neergaard, Glenstrup	355
semaphor	Semaphore alphabet font	Zýka	548
semesterplanner	Create beautiful semester timetables and more	Schneider	428
seminar	Make overhead slides	Van Zandt, Rahtz, Girou, Voß	543
semioneside	Put only special contents on left-hand pages in two sided layout	Hennig	251
semproc	Seminar proceedings	Columbus	182

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
SemTeX	Deals with stripped SemanTeX documents	Ørsted	374
semtrans	Transliteration of semitic languages	Knappen	287
sentences	Numbered lists for sentences	Unknown	501
sepfootnotes	Support footnotes and endnotes from separate files	Lourenço de Lima	314
sepnun	Print numbers in a "friendly" format	Raichle	396
seqsplit	Split long sequences of characters in a neutral way	Veytsman	511
serbian-apostrophe	Commands for Serbian words with apostrophes	Filipović	210
serbian-book	Support for use of memoir in Serbian	Filipović	210
serbian-date-lat	Updated date typesetting for Serbian	Filipović	210
serbian-def-cyr	Serbian cyrillic localization	Filipović	210
serbian-lig	Control ligatures in Serbian	Filipović	210
serbianpart	Redefines \thepart to be used in Roman lettered Serbian	Filipović	211
serial	Generate serial letters	Pedersen	383
sesamaniel	Class and package for sesamath books or paper	Charpentier	174
sesstime	Session and timing information in lecture notes	Beisert	146
setdeck	Typeset cards for Set	Whieldon	528
setouterhbox	Set hbox in outer horizontal mode	Oberdiek	369
setspace	Set space between lines	Harris, Tobin, Fairbairns, Carlisle	245
setstrut	Automatic strut computation	von Bechtolsheim	144
settobox	Assigning dimensions of a box to a length register	Oberdiek	369
settosize-ltx	Scale text to make it fit a given width	Rahtz	395
settosize	Scale text to given width	Taylor	472
seu-ml-assign	Southeast University Machine Learning Assignment template	van Jerry	269
seuthesis	L <sup>A</sup> T <sub>E</sub> X template for theses at Southeastern University	Yuan	542
seuthesisx	L <sup>A</sup> T <sub>E</sub> X class for theses at Southeast University, Nanjing, China	Fan	207
sexam	Package for typesetting arabic exam scripts	Laouidji	306
sf298	Standard form 298	Cochran, Rochford	180
sfarticle	A L <sup>A</sup> T <sub>E</sub> X 2.09 article style with an sf switch	Partl, Simon	381
sfms	Typesetting science fiction/fantasy manuscripts	DeMarco	189
sfg	Draw signal flow graphs	Schmid	425
sfheaders	Sans headers	Loreti	321
sfmath	Sans-serif mathematics	Dietrich	191
sfwmac	A set of definitions for Unix system documentation	Unknown	501
sgame	L <sup>A</sup> T <sub>E</sub> X style for typesetting strategic games	Osborne	375
sgmlcmpt	Support for L <sup>A</sup> T <sub>E</sub> X formulae as SGML PCDATA	Knappen	288
shadbox	Shade the background of any box	Glazkov	226
shade	Shade pieces of text	Schmitt	427
shadebox	Shade boxes using PostScript specials	Brewin, Šegan	159
Shaded theorems	Theorem environments that are shaded	Hefferon	247
shading	L <sup>A</sup> T <sub>E</sub> X package for putting text on a shaded background	Mulder	350
shadow	Shadow boxes	Orlandini	374
shadowtext	Produce text with a shadow behind it	Zwols	548
shalom	A simple Hebrew typesetting bundle	Böttcher	156
shapepar	A macro to typeset paragraphs in specific shapes	Arseneau	134
shapepatch	Transfig patch supporting shapepar	Gollwitzer	228
shapes	Draw polygons, reentrant stars, and fractions in circles with MetaPost	Goodman	229
shavian	A Shavian spelling alphabet font	Stanier	452
shdoc	Float environment to document the shell commands of a terminal session	Laube	307
shellesc	Unified shell escape interface for L <sup>A</sup> T <sub>E</sub> X	L <sup>A</sup> T <sub>E</sub> X Team	484
shhyph1	Serbo-Croatian hyphenation (Latin alphabet)	Muhamedagić	350
shipunov	A collection of L <sup>A</sup> T <sub>E</sub> X packages and classes	Shipunov	440
shlatex	L <sup>A</sup> T <sub>E</sub> X compilation script for Linux (written in Bash)	Hilléreau	253
shobhika	An OpenType Devanāgarī font designed for scholars	Kolachana	295

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
short-math-guide	Guide to using amsmath and related packages to typeset mathematical notation with L <sup>A</sup> T <sub>E</sub> X	The AMS	480
shortcuttool	Enables shortcut file import to the input tool Shortcut	Mehl	339
shortlst	Compact lists by running several items per line	Hansen	242
shortmathj	Automatically shortify titles of mathematical journals	Avdeev	136
shorttoc	Table of contents with different depths	Drucbert	195
shortvrb	Abbreviated verbatim commands	L <sup>A</sup> T <sub>E</sub> X Team	484
show2e	Variants of \show for L <sup>A</sup> T <sub>E</sub> X2e	Pégourié-Gonnard	383
showcharinbox	Show characters inside a box	Khalighi, bidi-tex GitHub Organisation	278
showdim	Variants on printing dimensions	Downes	194
showexpl	Typesetting L <sup>A</sup> T <sub>E</sub> X source code	Niepraschk	361
showframe	Draw a page-layout diagram	Niepraschk	361
showhyphenation	Marking of hyphenation points	Kelkel	276
showhyphens	Show all possible hyphenations in LuaLaTeX	Gundlach	238
showkerning	Showing kerns in a document	Kelkel	276
showkeys	Show label, ref, cite and bib keys	Carlisle	169
showlabels	Show label commands in the margin	Gray	233
showtags	Print the tags of bibliography entries	Beebe	145
shsulet	A letter document style for use at SHSU	Greenwade	234
ShtThesis	An unofficial L <sup>A</sup> T <sub>E</sub> X thesis template for ShanghaiTech University	Li	313
shuffle	A symbol for the shuffle product	Lejay, Gilbert	311
si	A comprehensive (SI) units package	Wright	535
siam	Styles for SIAM publications	Gray, Cipolone	233
side	Rotated floats for L <sup>A</sup> T <sub>E</sub> X 2.09	Knight, Ryba	288
sidecap	Typeset captions sideways	Niepraschk, Gäßlein	361
sidenotes	Typeset notes containing rich content, in the margin	Thomas	486
sidenotesplus	Place referenced notes, alerts, figures and tables into the document margin	Vrba	521
sides	A L <sup>A</sup> T <sub>E</sub> X class for typesetting stage plays	Mui	350
siggraph	SIGGRAPH conference class	Kartch	274
signchart	Create beautifully typeset sign charts	Mottaz	349
Sikumuna	Lyx template for Hebrew article format	Rutenberg	418
silence	Selective filtering of error messages and warnings	Pock, Isambert	389
sillypage	John Cleese's Silly Walk as page numbering style	Cereda	172
simple-resume-cv	Template for a simple resume or curriculum vitae (CV), in X <sub>Y</sub> -L <sup>A</sup> T <sub>E</sub> X	Scrivena	433
simple-thesis-d...	Template for a simple thesis or dissertation (Ph.D. or master's degree) or technical report, in X <sub>Y</sub> -L <sup>A</sup> T <sub>E</sub> X	Scrivena	434
simplebnf	A simple package to format Backus-Naur form (BNF)	Lee	308
simplecd	Simple CD, DVD covers for printing	Majoros	330
simplecv	A simple class for writing curricula vitae	Lasgouttes	306
simpleicons	Simple Icons for L <sup>A</sup> T <sub>E</sub> X	Bose	155
simpleinvoice	Easy typesetting of invoices	Lohne	316
simplekv	A simple key/value system for T <sub>E</sub> X and L <sup>A</sup> T <sub>E</sub> X	Tellechea	473
simplenodes	Simple nodes in four colors written in TikZ for L <sup>A</sup> T <sub>E</sub> X	Vergauwen	508
simpleoptics	Drawing lenses and mirrors for optical diagrams	Cawood	172
simpler-wick	Simpler Wick contractions	Ellis	202
simples-matrices	Define matrices by given list of values	Henel	250
simplewick	Simple Wick contractions	Kolorenc	295
simplified-latex	A Simplified Introduction to L <sup>A</sup> T <sub>E</sub> X	Greenberg, Luecking	234
simplivre	Write your books in a simple and clear way	XU	538
simpsons	Metafont source for Simpsons characters	Chen	175
simurgh	Typeset Parsi in LuaLaTeX	Khalighi, bidi-tex GitHub Organisation	278
sines	Calculate sin function values	Walker	523

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
sinhala	Support for the Sinhala language	Saparamadu	420
sirlin	Fonts and macros for typesetting Tibetan	Sirlin	444
SIstyle	Package to typeset SI units, numbers and angles	Els, Wright	202
sitem	Save the optional argument of \item	Majkrzak	330
siunits	International System of Units	Wright, Heldoorn	536
siunitx	A comprehensive (SI) units package	Wright	536
skak	Fonts and macros for typesetting chess games	Hoffmann	255
SkakNew	The skak chess fonts redone in Adobe Type 1	Dirr	192
skb	Tools for a repository of long-living documents	van der Meer	339
skdoc	Documentation and extraction for packages and document classes	Sigurdhsson	443
skeldoc	Placeholders for unfinished documents	Hetland	252
sketch	A 3d sketch language translator	Ressler	402
skeycommand	Create commands using parameters and keyval in parallel	Musa	354
skeyval	Key-value parsing combining features of xkeyval and pgfkeys	Musa	354
skills	Create proficiency tests	Giraud	225
skmath	Extensions to the maths command repertoire	Sigurdhsson	443
skrapport	‘Simple’ class for reports, etc.	Sigurdhsson	443
skull	A font to draw a skull	Grove	237
slantsc	Access different-shaped small-caps fonts	Harders	244
slashbox	Both column and row headings in a tabular cell	Yasuoka, Sato	539
slashed	Put a slash through characters	Carlisle	169
slatex-scheme	A pretty-printer for Scheme code in T <sub>E</sub> X documents	Sitaram	444
slatex	L <sup>A</sup> T <sub>E</sub> X support for writing Swedish	Mattison	335
slem	Slanted emphasis in L <sup>A</sup> T <sub>E</sub> X 2.09	Furuta	219
slemph	Slanted emphasis in L <sup>A</sup> T <sub>E</sub> X	Swift	462
slhyph	Slovenian hyphenation patterns	Vrečko, Žlajpah	521
slidenotes	Typeset slides accompanied by notes	van der Meer	339
slides	Class for creating slides	Mittelbach, Schöpf, L <sup>A</sup> T <sub>E</sub> X Team	345
slideshow	Generate slideshow with MetaPost	McPhee	338
sltables	Simplified tables for L <sup>A</sup> T <sub>E</sub> X	Shipunov	440
smallcap	Promote small caps to a font family, so NFSS can deal with different shapes	Taupin	472
smaller	Choose an “adjacent” size in L <sup>A</sup> T <sub>E</sub> X	Cosell, Hosek	183
smalltableof	Create listoffigures etc. in a single chapter	Mathieu	334
smalltalk	Typeset Smalltalk program fragments	Wolczko	533
smart-eqn	Automatic math symbol styling for L <sup>A</sup> T <sub>E</sub> X documents	Xiang	537
smartdiagram	Generate diagrams from lists	Fiandrino	210
smartmn	Make hyphens print as minus signs where appropriate	Knappen	288
smartref	Extend L <sup>A</sup> T <sub>E</sub> X’s \ref capability	Bilotta	150
smartunits	Converting between common metric and Imperial units	Mathas	333
smflatex	Classes for Société mathématique de France publications	Chambert-Loir	173
SmileTeX	Create L <sup>A</sup> T <sub>E</sub> X documents and more from simple texts	Schüler	431
snapshot	List the external dependencies of a L <sup>A</sup> T <sub>E</sub> X document	The AMS, Downes	480
snaptodo	A todo that snaps to the closer side	Wang	524
snote	Shaped notes for MusicTeX	Colburn	181
snotez	Typeset notes, in the margin	Niederberger	359
sober	Makes appearance of standard styles more “sober”	Poppelier	390
sobolev	Commands for dealing with Sobolev spaces (and relatives)	Bosisio	156
softfonts	Manage the “soft fonts” in a LaserWriter printer	Small Planet Software	445
softmaker-altes...	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Alte Schwabacher font	Kleber	284
softmaker-artistic	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Artistic font	Kleber	284
softmaker-baske...	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Baskerville Nova fonts	Kleber	284
softmaker-bonita	L <sup>A</sup> T <sub>E</sub> X Support files for SoftMaker Bonita	Kleber	284
softmaker-broadway	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Broadway fonts	Kleber	284

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
softmaker-canossa	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Canossa fonts	Kleber	284
softmaker-congress	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Congress fonts	Kleber	284
softmaker-delan...	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Delano Caps font	Kleber	284
softmaker-digital	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Digital fonts	Kleber	284
softmaker-egypt...	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker EgyptienneStd fonts	Kleber	284
softmaker-flags...	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Flagstaff font	Kleber	284
softmaker-grenoble	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Grenoble fonts	Kleber	284
softmaker-helium	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Helium fonts	Kleber	284
softmaker-heliu...	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Helium fonts	Kleber	284
softmaker-hende...	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Henderson font	Kleber	284
softmaker-iceberg	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Iceberg font	Kleber	284
softmaker-inver...	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Inverserif font	Kleber	284
softmaker-jugen...	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Jugendstil font	Kleber	284
softmaker-marse...	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Marseille fonts	Kleber	285
softmaker-moab	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Moab font	Kleber	285
softmaker-nevada	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Nevada fonts	Kleber	285
softmaker-newca...	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Newcastle fonts	Kleber	285
softmaker-oldbl...	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Old Blackletter font	Kleber	285
softmaker-quadrat	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Quadrat fonts	Kleber	285
softmaker-stone...	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Stone Handwriting font	Kleber	285
softmaker-sunset	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Sunset fonts	Kleber	285
softmaker-tampa	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Congress fonts	Kleber	285
softmaker-vagro...	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker VAGRounded font	Kleber	285
softmaker-velo	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Velo font	Kleber	285
softmaker-veracruz	L <sup>A</sup> T <sub>E</sub> X Support files for the SoftMaker Veracruz fonts	Kleber	285
softmakerfreefont	Support files for SoftMaker free fonts	Kleber	285
somedefs	Save loading all of another package	Jeffrey, L <sup>A</sup> T <sub>E</sub> X Team	268
songbook	Package for typesetting song lyrics and chord books	Rath	398
songproj	Generate Beamer slideshows with song lyrics	Ortolo	374
songs	Produce song books for church or fellowship	Hamlen	241
sorhyph	Upper Sorbian hyphenation patterns	Werner	527
sort-by-letters	Bibliography styles for alphabetic sorting	van Oudenhove	375
soton	University of Southampton-compliant slides	Blanco	151
soul	Hyphenation for letterspacing, underlining, and more	Oberdiek	370
soulpos	A fancy means of underlining	Bezoz López	318
soup	Generate alphabet soup puzzles	Simers	443
source2e	LaTeX2e kernel documentation for the entire system as one document	L <sup>A</sup> T <sub>E</sub> X Team	484
sourcecodepro	Use SourceCodePro with T <sub>E</sub> X(-alike) systems	Hofstra	255
SourceSansPro	Use SourceSansPro with T <sub>E</sub> X(-alike) systems	Hofstra	256
sourceserifpro	Use SourceSerifPro with T <sub>E</sub> X(-alike) systems	Hofstra	256
SouthArabian	A font for an archaic South Arabia script	Stanier	452
soyombo	Fonts and a macro for Soyombo under L <sup>A</sup> T <sub>E</sub> X	Corff	182
spacekern	Kerning between words and against space	Kelkel	276
spacingtricks	Dealing with some spacing issues	Missier	344
spain	Bibliography style for Spanish documents	Fernandez	209
spalign	Typeset matrices and arrays with spaces and semicolons as delimiters	Rabinoff	394
spanish-mx	Typeset Spanish as in Mexico	Rivera	404
spark-otf	Support OpenType Spark fonts	Voß	519
sparklines	Drawing sparklines: intense, simple, wordlike graphics	Löffler, Luecking, van Mil- tenburg	316
spath3	Manipulate “soft paths” in PGF	Stacey	451
spbookmark	Customize superscripts and subscripts	Yi	542
spectral	Spectral fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	477
spectralsequences	Print spectral sequence diagrams using PGF/TikZ	Chatham	174
spelling	Support for spell-checking of LuaTeX documents	Hennig	251



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
sphack	Patch L <sup>A</sup> T <sub>E</sub> X kernel spacing macros	Pretzel	392
sphdthesis	L <sup>A</sup> T <sub>E</sub> X template for writing PhD Thesis	Garg	221
sphyphb	Experimental Spanish hyphenation patterns	Medina	339
spiderweb	A tool for building WEB systems	Ramsey	397
spie	Support for formatting SPIE Proceedings manuscripts	Hanson	242
SpiX	Yet another T <sub>E</sub> X compilation tool: simple, human readable, no option, no magic	Paternault	382
splines	MetaPost macros for drawing cubic spline interpolants	Luecking	325
splint	Write LALR(1) parsers in T <sub>E</sub> X using bison and flex	Shibakov	440
split	Box two chunks of text side-by side	Skinner	445
splitbib	Split and reorder your bibliography	Markey	332
splitindex	Unlimited number of indexes	Kohm	294
spot	Spotlight highlighting for Beamer	Hendrickson	250
spotcolor	Spot colours for pdfLaTeX	Elstner	202
spreadtab	Spreadsheet features for L <sup>A</sup> T <sub>E</sub> X tabular environments	Tellechea	473
springer	Macros for Springer journals	Springer Verlag	451
sprite	Macros to typeset simple bitmaps with L <sup>A</sup> T <sub>E</sub> X	Costabel	183
sperbatim	Allow line breaks within \verb and verbatim output	Pakin	378
SQLTeX	An SQL Preprocessor for L <sup>A</sup> T <sub>E</sub> X	van Eijk	200
srcaps	Square Capitals manuscript book-hand font	Wilson	532
sr-half-compound	Hyphenation of Serbian half-compound words in cyrillic scripts	Filipović	211
sr-hyphen-spec	Hyphenation of special cases in Serbian	Filipović	211
sr-vorl	Class for Springer books	Dabelow	185
srbtiks	Font STIX2 for Serbian and Macedonian	Stefanović	453
srcltx	Jump between DVI and T <sub>E</sub> X files	Ulrich	494
scredact	A tool for redacting sources	Veytsman	511
srdp-mathematik	Typeset Austrian SRDP in mathematics	Weberndorfer	525
srhyphc	Hyphenation patterns for Serbian Cyrillic	Jelenak	268
srune	Saxon rune font	Lüddecke	324
sseq	Typesetting spectral sequence charts	Bauer	141
ssbdbk10	Sans headers in book style	Unknown	501
sslides	Slides with headers and footers	Salimi	419
ssquote	Use the cmssq fonts	Vieth, Goossens	512
stables	Simplified Plain T <sub>E</sub> X tables	Nilsson	362
stabular	Multipage tabular	Tolušis	489
stack	Tools to define and use stacks	Bayart	142
stackengine	Highly customised stacking of objects, insets, baseline changes, etc	Segletes	434
stackrel	Enhancement to the \stackrel command	Oberdiek	370
stage	A L <sup>A</sup> T <sub>E</sub> X class for stage plays	Thomas, Jahrling	486
stampinclude	Inclusion based on .aux file date stamps	Oberdiek	370
standalone	Compile T <sub>E</sub> X pictures stand-alone or as part of a document	Scharrer	423
stanli	TikZ Library for Structural Analysis	Hackl	239
starfont	The StarFont Sans astrological font	Skala	444
startex	An XML-inspired format for student use	Langmyhr	306
statex	Statistics style	Sparapani	449
statex2	Statistics style	Sparapani	449
statistics	Compute and typeset statistics tables and graphics	Rivaud	403
statistik	Store statistics of a document	Niedermair	360
statmath	A L <sup>A</sup> T <sub>E</sub> X package for simple use of statistical notation	Ankargren	131
statrep	Displays SAS code and results of running the code	Arnold	132
staves	Typeset Icelandic staves and runic letters	Syropoulos	464
stdclsdv	Provide sectioning information for package writers	Robertson, Wilson	408
stdpage	Standard pages with n lines of at most m characters each	Verweyen	509
stealcaps	“Steal” small capitals	Giannotti	224
steinmetz	Print Steinmetz notation	Gregorio	235

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
stellenbosch	Stellenbosch thesis bundle	Els	202
step	A free Times-like font	Miller	343
stepgreek	A free Times/Elsevier-style Greek font	Miller	343
sTeX	An Infrastructure for Semantic Preloading of L <sup>A</sup> T <sub>E</sub> X Documents	Kohlhase, Müller	292
stfloats	Commands to control the presentation of floats	Tolušis	489
SticksToo	A reworking of STIX2	Sharpe	439
stix	OpenType Unicode maths fonts	The STI Pub Companies, Doyle, Hosny, Robertson, Jones	486
stix2-otf	OpenType Unicode text and maths fonts	The STI Pub Companies, Jones	486
stix2-type1	Type1 versions of the STIX Two OpenType fonts	The STI Pub Companies, Jones	486
stmaryrd	St Mary Road symbols for theoretical computer science	Jeffrey, Gibbons, Hoekwater	267
stoneipa	Support for the Stone Sans Phonetic font	Velleman	507
storebox	Storing information for reuse	Scharrer	423
storecmd	Store the name of a defined command in a container	Musa	354
strands	Draw objects constructed from strands	Arcis	131
streetex	Structural organic chemistry	Strokov	459
stricttex	Strictly balanced brackets and numbers in command names	Ørsted	374
stringenc	Converting a string between different encodings	Oberdiek	370
stringstrings	String manipulation for cosmetic and programming application	Segletes	434
structmech	A TikZ command set for structural mechanics drawings	Chang	173
struktex	Draw Nassi-Shneiderman charts	Hoffmann	255
sttools	Various macros	Tolušis, Statulevičius	489
stubs	Create tear-off stubs at the bottom of a page	Stuhrmann	460
Student Handouts	Management and styling of student handout projects	Fennell	208
studies-lm	An interactive L <sup>A</sup> T <sub>E</sub> X course for students	Römer	411
sty2dtx	Create a .dtx file from a .sty file	Scharrer	423
style-showcase	Make a web page to compare styles	Hefferon	247
styledcmd	Handling multiple versions of user-defined macros	De Donato	193
suanpan	MetaPost macros for drawing Chinese and Japanese abaci	Roegel	409
subcaption	Support for sub-captions	Sommerfeldt	448
subdepth	Unify maths subscript height	Robertson	405
subdocs	Multifile documents	Bezos López	318
subeqn	Package for subequation numbering	Arseneau, Braams	135
subeqnarray	Equation array with sub numbering	Braams	157
subfig	Figures broken into subfigures	Cochran, Khalighi, bidi-tex GitHub Organisation	180
subfigmat	Automates layout when using the subfigure package	Kleb	283
subfigure	Deprecated: Figures divided into subfigures	Cochran	180
subfiles	Individual typesetting of subfiles of a “main” document	Salzer, Garcia-De Castro	419
subfloat	Sub-numbering for figures and tables	Harders	244
sublabel	Sub-number counters	Daly	186
subscript	Provides the \textsubscript command	Fairbairns, Carlisle	205
substances	A database of chemicals	Niederberger	359
substitutefont	Easy font substitution	Milde	342
substr	Deal with substrings in strings	Harders	244
subsupscripts	A range of sub- and superscript commands	Bresciani	159
subtext	Easy text-style subscripts in math mode	Jørgensen	271
sudoku	Create sudoku grids	Abraham	126
sudokubundle	A set of sudoku-related packages	Wilson	532
sueterlin	Calligraphic font for typesetting handwriting in Sütterlin style	Ludewig	324
suffix	Define commands with suffixes	Kastrup	275
suftesi	A document class for typesetting theses, books and articles	Valbusa	505

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
sugconf	SAS(R) user group conference proceedings document class	Fehd	208
superiors	Attach superior figures to a font family	Sharpe	439
supertabular	A multi-page tables package	Braams	157
suppose	Abbreviate the word “Suppose”	Lounsbury	321
susy	Macros for SuperSymmetry-related work	Turlay	493
suthesis	Typeset a Stanford University thesis	Pallas	378
sverb	A set of verbatim text manipulations	Wooding	534
svg-inkscape	How to include an SVG image in L <sup>A</sup> T <sub>E</sub> X using Inkscape	Engelen	203
svg	Include and extract SVG pictures in L <sup>A</sup> T <sub>E</sub> X documents	Hanisch, Ilten	241
svgcolor	Define SVG named colours	Caprio	168
svn-multi	Subversion keywords in multi-file L <sup>A</sup> T <sub>E</sub> X documents	Scharrer	423
svn-prov	Subversion variants of \Provides... macros	Scharrer	423
svn	Typeset Subversion keywords	Lewis	313
svninfo	Typeset Subversion keywords	Brucker	161
svrsymbols	A font with symbols for use in physics texts	Syropoulos	464
swebib	Swedish bibliography styles	Engelbretsen	203
swetex	Plain T <sub>E</sub> X support for writing Swedish	Engdahl	203
swfigure	Insert large images that do not fit into a single page	Beccari	143
swiftex	Edit doc.sty and normal L <sup>A</sup> T <sub>E</sub> X files with GNU Emacs	Swift	462
Swimgraf	Graphical/textual representations of swimming performances	Osborne	375
switcheml	Obfuscate email addresses (now obsolete)	Duan	196
swrule	Lines thicker in the middle than at the ends	Dussa	198
swungdash	Typeset a swung dash in L <sup>A</sup> T <sub>E</sub> X	Granet	232
syllogism	Typeset syllogisms in L <sup>A</sup> T <sub>E</sub> X	Vaughan	507
symbats3	Macros to use the Symbats3 dingbats fonts	Flynn	215
symbolindex	Generate a list of symbols with different subgroups	Holzmann	257
sympytex	Include symbolic computation (using sympy) in documents	Molteno	346
Synapsen	Reference management tool for BibTeX	Krajewski	297
synctex-parser	SyncTeX output file parser	Laurens	307
syngen	A tool for generating syntax diagrams from BNF	Klöcker	286
synproof	Easy drawing of syntactic proofs	Isambert, Robbers	263
syntax-mdw	Typeset syntax descriptions	Wooding	535
syntax2	Creation of syntax diagrams	Worsch	535
syntaxdi	Create “railroad” syntax diagrams	Pieper, Kuhaupt, Hilbig	386
syntonly	Run a document through L <sup>A</sup> T <sub>E</sub> X for syntax checking	Mittelbach, Schöpf, L <sup>A</sup> T <sub>E</sub> X Team	345
syntrace	Labels for tracing in a syntax tree	Mathieu	334
synttree	Typeset syntactic trees	van Zuijlen	548
syriac	A font for Syriac written in Estrangelo	Stanier	452
syscontrolletters	Support for Systems and Control Letters	Balemi, Truöl	137
systeme	Format systems of equations	Tellechea	473
<b>TTTT</b>			
t-angles	Draw tangles, trees, Hopf algebra operations and other pictures	Lyubashenko, Bespalov	328
t1-fraktur	A pair of fraktur font families in T1 encoding	Kurz, Taupin	301
t1enc	Standard package for activating ec fonts	L <sup>A</sup> T <sub>E</sub> X Team	484
t1infos	Utilities for PostScript fonts	Baruchel	140
T1Subset	A C++ library for subsetting PostScript Type 1 fonts	Frane Jr	272
t1tools	Facilities for handling Adobe Type 1 fonts	Wolff	534
t1utils	Simple Type 1 font manipulation programs	Hetherington, Kohler	252
t2	Support for using T2 encoding	Volovich, Lemberg	515
tab4tex	Preprocessor for L <sup>A</sup> T <sub>E</sub> X tabular environments	Milanese	342
tabbing	Tabbing with accented letters	Drucbert	195
tabbingbox	Save a tabbing environment in a box	Unknown	501
tabfigures	Maintain vertical alignment of figures	Ummels	494
table-fct	Draw a variations table of functions and a convexity table of its graph	Lakhdar	304

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
tableauVariations	Variation tables in MetaPost	Mazoit	336
tableaux	Construct tables of signs and variations	Kisselhoff	282
tablefootnote	Permit footnotes in tables	Münch	351
tableof	Tagging tables of contents	Burnol	164
tables	Tables without the need for a preamble	Cowan, Taylor	184
tablestyles	Styles for tables with new commands	Pospiech	391
tablists	Tabulated lists of short items	Lapko	306
tablor	Create tables of signs and of variations	Connan	182
tabls	Better vertical spacing in tables and arrays	Arseneau	134
tablvar	Typesetting pretty tables of signs and variations according to French usage	Missier	344
tabriz-thesis	A template for the University of Tabriz	Damanafshan	187
tabsatz	How to use tables in L <sup>A</sup> T <sub>E</sub> X	Reichert	400
tabstackengine	“Tabbing” front-end to stackengine	Segletes	434
tabto-generic	“Tab” to a measured position in the line	Arseneau	134
tabto-ltx	“Tab” to a measured position in the line	Arseneau	134
tabu	Flexible L <sup>A</sup> T <sub>E</sub> X tabulars	Chervet	176
tabularborder	Remove excess space at left and right of tabular	Fink	211
tabularcalc	Calculate formulas in a tabular environment	Tellechea	473
tabularew	A variation on the tabular environment	Saba	419
tabularht	Tabular environments with height specified	Oberdiek	370
tabularkv	Tabular environments with key-value interface	Oberdiek	370
tabularray	Typeset tabulars and arrays with L <sup>A</sup> T <sub>E</sub> X3	Lyu	328
tabulars-e	Examples from the book “Typesetting tables with L <sup>A</sup> T <sub>E</sub> X”	Voß	519
tabularx	Tabulars with adjustable-width columns	Carlisle, L <sup>A</sup> T <sub>E</sub> X Team	171
tabulary	Tabular with variable width columns balanced	Carlisle	169
tabvar	Typesetting tables showing variations of functions	Flipo	213
tabverb	Verbatim text respecting TAB characters	Fine	211
tagging	Document configuration with tags	Longborough, L <sup>A</sup> T <sub>E</sub> X Team	316
tagpair	Word-by-word glosses, translations, and bibliographic attributions	Nolda	362
tagpdf	Tools for experimenting with tagging using pdfL <sup>A</sup> T <sub>E</sub> X and LuaLaTeX	Fischer	213
talk	A L <sup>A</sup> T <sub>E</sub> X class for presentations	Wiebusch	528
talos	A Greek cult font from the eighties	Tsolomitis	492
tamefloats	Experimentally use \holdinginserts with L <sup>A</sup> T <sub>E</sub> X floats	Lück	324
TameTheBeast	A manual about bibliographies and especially BibTeX	Markey	332
tamil-omega	Tamil support for Omega/Aleph	Alex	128
tangle	Generate compilable source from web	Knuth	290
tango-weevil	A simple Web system	Minyard	343
tangocolors	Use colors from the Tango color palette	Preuße	392
TangramTikZ	Tangram puzzles, with TikZ	Pierquet	386
tap	TeX macros for typesetting complex tables	Jackowski, Pianowski, Strzelczyk	265
tape	Generate cassette labels from a simple database	Podar	389
tapir	A simple geometrical font	Mitek	344
tasks	Horizontally columned lists	Niederberger	360
taylor	Macros for category-theoretic diagrams	Taylor	472
tbe	Extracts from “TeX by Example”	Borde	154
tccomp	Provide compatibility names for textcomp.sty	Knappen	288
tclldoc	Doc/docstrip for tcl	Hellström	249
tcltexed	L <sup>A</sup> T <sub>E</sub> X editor written in TCL	Strauß	459
tcobrowser	Local browsing of the Catalogue on Mac OS X	Maxwell	335
tcobox	Coloured boxes, for L <sup>A</sup> T <sub>E</sub> X examples and theorems, etc	Sturm	460
tcvn	Vietnamese Windows support	Quy	393
tdclock	A ticking digital clock package for PDF output	Randez	397
tds	The T <sub>E</sub> X Directory Structure standard	TUG TWG-TDS	493

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
tdsfrmath	Macros for French teachers of mathematics	Henel	251
techexplorer	Browser plugin for viewing T <sub>E</sub> X and L <sup>A</sup> T <sub>E</sub> X sources	IBM Corporation	262
Technica	Typesetting for the humanities	Boggio-Togna	153
technics	A package to format technical documents	Nilsson	362
technion-thesis...	Template for theses on the Technion graduate school	Shuval	441
techreport	Generate Technical Reports using USC thesis style	Cochran	180
ted	A (primitive) token list editor	Pégourié-Gonnard	383
TeEncontreX	Help for users of T <sub>E</sub> X and L <sup>A</sup> T <sub>E</sub> X	Algaba	129
telprint	Format German phone numbers	Oberdiek	370
telugu	(La)T <sub>E</sub> X Support for writing the Telugu Language	Mukkavilli	350
templates-fenn	Templates for T <sub>E</sub> X usage	Fenn	208
templates-sommer	Templates for T <sub>E</sub> X usage	Sommer	447
templatetools	Commands useful in L <sup>A</sup> T <sub>E</sub> X templates	Pospiech	391
tempora	Greek and Cyrillic to accompany Times	Sharpe	439
tengt <sub>E</sub> x	Typesetting in Tolkien's Tengwar script	Derzhanski	190
tengwar	Font to set Tolkien's Tengwar script	Urban	504
TengwarScript	L <sup>A</sup> T <sub>E</sub> X support for using Tengwar fonts	Fernández Galván	221
tensind	Typeset tensors	Bezos López	318
tensor	Typeset tensors	Piff, Ratcliffe	387
termcal-de	German localization for termcal	Friedl	218
termcal	Print a class calendar	Mitchell	344
termes-otf	Using the OpenType fonts T <sub>E</sub> X Gyre Termes	Voß	519
termist	Label any kind of term with a continuous counter	Rellermeyer	401
termmenu	The package provides support for terminal-based menus using expl3	Allred	130
termsim	Simulate Win10, Ubuntu, and Mac terminals	Geng	222
tesla	A special-purpose language for knowledge base rules	Baragar, Harris	138
testeq	An equality test for use in MetaPost	Vieth	512
testflow	A tool to validate PS/PDF output from L <sup>A</sup> T <sub>E</sub> X	Shell	440
testfont	A testbed for font evaluation	Knuth	290
testhyphens	Testing hyphenation patterns	Beccari	143
testidx	Dummy text for testing index styles and indexing applications	Talbot	469
testmath	Examples of the AMS-L <sup>A</sup> T <sub>E</sub> X package	The AMS	480
tetex	Obsolete T <sub>E</sub> X distribution for Unix/Linux	Esser	204
tetragonos	Four-Corner codes of Chinese characters	Yang	539
teubner	Philological typesetting of classical Greek	Beccari	143
tex--xet	Bidirectional extension of T <sub>E</sub> X	Breitenlohner, Knuth, MacKay	159
TeX Converter	Windows front-end to various L <sup>A</sup> T <sub>E</sub> X to HTML converters	Mayer	336
tex-ewd	Macros to typeset calculational proofs and programs in Dijkstra's style	Helbig	248
tex-extensions	Proposals for extensions to T <sub>E</sub> X	Clasen	180
tex-font-errors...	Cheat sheet outlining the most common T <sub>E</sub> X font errors	Schlömer	425
TeX-FPC	A collection of change files for a T <sub>E</sub> X system based on Free Pascal	Helbig	248
TeX-GPC	A collection of change files for a T <sub>E</sub> X system based on GNU Pascal	Helbig	248
tex-gyre-adventor	A font family that extends URW Gothic L	Jackowski, Nowacki	264
tex-gyre-bonum	A font family that extends URW Bookman L	Jackowski, Nowacki	264
tex-gyre-chorus	A font that extends URW Chancery L	Jackowski, Nowacki	264
tex-gyre-cursor	A font that extends URW Nimbus Mono L	Jackowski, Nowacki	264
tex-gyre-heros	A font family that extends URW Nimbus Sans L	Jackowski, Nowacki	264
tex-gyre-math-b...	Maths fonts to match T <sub>E</sub> X Gyre Bonum	Jackowski, Strzelczyk, Pi- anowski	265
tex-gyre-math-d...	Maths fonts to match T <sub>E</sub> X Gyre DejaVu	Jackowski, Pianowski, Strzelczyk	265
tex-gyre-math-p...	Maths fonts to match the tex-gyre-pagella text font	Jackowski, Pianowski, Strzelczyk	265



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
tex-gyre-math-s...	Maths fonts to match T <sub>E</sub> X Gyre Schola	Jackowski, Pianowski, Strzelczyk	265
tex-gyre-math-t...	Maths fonts to match T <sub>E</sub> X Gyre Termes	Jackowski, Pianowski, Strzelczyk	265
tex-gyre-math	Maths fonts to match tex-gyre text fonts	Jackowski, Pianowski, Strzelczyk	265
tex-gyre-pagella	A font family that extends URW Palladio L	Jackowski, Nowacki	264
tex-gyre-schola	A font that extends URW Century Schoolbook L	Jackowski, Nowacki	264
tex-gyre-termes	A font family that extends URW Nimbus Roman	Jackowski, Nowacki	264
tex-gyre	TeX Fonts extending freely available URW fonts	Jackowski, Nowacki	264
tex-implementors	Entries from the tex-implementors mailing list	Beeton, Berry	146
tex-ini-files	Model T <sub>E</sub> X format creation files	Wright	536
tex-it	Controller for T <sub>E</sub> X processing	Walsh	523
tex-kurs	A L <sup>A</sup> T <sub>E</sub> X (2.09) course in German	Rupprecht	418
tex-label	Place a classification on each page of a document	Komarath	295
tex-locale	Localisation support for T <sub>E</sub> X and L <sup>A</sup> T <sub>E</sub> X documents	Talbot	469
TeX-mag	An on-line T <sub>E</sub> X magazine	Hosek	258
tex-math	Maths mode documentation for OS/2 users	Hahn	240
TeX-nutshell	A short document about T <sub>E</sub> X principles	Olšák	373
tex-overview	An overview of the development of T <sub>E</sub> X	Trautmann	490
tex-ps	TeX to PostScript generic macros and add-ons	BOP, Nowacki	154
tex-references	References for T <sub>E</sub> X and Friends	Wiedmann	528
tex-virtual-aca...	TeX usage web pages, in Polish	Wawrykiewicz, Przechlewski	525
tex-vpat	TeX Accessibility Conformance Report	Veytsman	511
TeX	A sophisticated typesetting engine	Knuth	290
tex2bib	Extract a BibTeX database from a document source	Friendly	219
tex2ltx	AMS-TeX to AMS-L <sup>A</sup> T <sub>E</sub> X converter	Fortuny	216
tex2mail	Converts T <sub>E</sub> X to mailable "ASCII art"	Zakharevich	543
tex2page	Produce HTML from T <sub>E</sub> X/LaTeX	Sitaram	444
tex2rtf	TeX translator, output formats include RTF	Smart	445
tex2tok	Convert a T <sub>E</sub> X source file into tokens	Fine	211
tex2word	Convert T <sub>E</sub> X/L <sup>A</sup> T <sub>E</sub> X to MSWord	Chikrii	178
tex4ebook	Converter from L <sup>A</sup> T <sub>E</sub> X to ebook formats	Hoftich	256
TeX4ht	Convert (La)TeX to HTML/XML	The TeX4ht Team, Gurari	479
texaccents	Convert composite accented characters to Unicode	Milanesi	342
texapi	Macros to write format-independent packages	Isambert, Robbers	263
texas	32-bit T <sub>E</sub> X 3.14 compiled for MS-DOS 386/486 computers	Chan	173
texbook	The source of The T <sub>E</sub> Xbook	Knuth	290
texbuch	"The little T <sub>E</sub> XBook"	Cremer	184
TeXbyTopic	Freed version of the book T <sub>E</sub> X by Topic	Eijkhout	201
texcad32	Win32 drawing package for mathematical diagrams	Unknown	501
texchord	Typeset guitar-chord diagrams	Hoffman	255
TeXcount	Count words in a L <sup>A</sup> T <sub>E</sub> X document	Rødland	409
texdate	Date printing, formatting, and manipulation in T <sub>E</sub> X	Goodman	229
texdef	Display the definitions of T <sub>E</sub> X commands	Scharrer	423
texdepend	Find dependencies in a L <sup>A</sup> T <sub>E</sub> X file	Friendly	219
texdeps	Find the dependencies of a (La)TeX file	Cozens	184
texdiff	Compare documents and produce tagged merge	Doll, Günay	192
texdimens	Conversion of T <sub>E</sub> X dimensions to decimals	Burnol	165
texdirflatten	Collect files related to a L <sup>A</sup> T <sub>E</sub> X job in a single directory	Günay	238
texdoc	Documentation access for T <sub>E</sub> X Live	Asakura, Esser, Pégourié-Gonnard, T <sub>E</sub> XLive	135
texdoctk	Easy access to package documentation	Ruedas, Harcombe	418
texdraw	Graphical macros, using embedded PostScript	Kabal	272

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
texed	A T <sub>E</sub> X shell for OS/2	Stippich	454
texemplar	A class for the journal of CervanTeX	Bezoz López	318
texfaq	A compilation of Frequently Asked Questions with answers	Fairbairns	205
texfilt	A (La)TeX log filter	Baker	137
texfot	Filter clutter from the output of a T <sub>E</sub> X run	Berry	149
TeXhax	Digests of a general T <sub>E</sub> X mailing list	Unknown	501
texi2dvi-latest	Process Texinfo or (La)TeX source to DVI	Friedman	218
texi2html	Converts T <sub>E</sub> Xinfo to HTML	Price, Dumas, Berry, Cons	392
texi2roff	Translate texinfo to troff	Erlebacher	204
texi2www	Converts texinfo to display on the Web	Singletary	444
texilikechaps	Format chapters with a texi-like format	Rivera	404
texi-like cover	A cover-page package, like T <sub>E</sub> Xinfo	Simões	443
texindex	Simple indexing using standard Unix commands	Unknown	501
texinfo-latest	Current releases of texinfo.tex and texi2dvi	Free Software Foundation	217
texinfo	Texinfo documentation system	Free Software Foundation	217
TeXLab	L <sup>A</sup> T <sub>E</sub> X Language Server	Förster	216
TeXline	A T <sub>E</sub> X-based magazine	Clark	179
texlipse	L <sup>A</sup> T <sub>E</sub> X plugin for Eclipse	von Loesch, Hupponen, Karlsson, Laitinen, Ojala, Pirinen, Seuranen, Takkinen	316
texlist	Typeset program listings	Forkosh	215
texlive-dummy-e...	Dummy T <sub>E</sub> X Live RPM for use with RHEL 6 and derived distributions	Tennent	477
texlive-dummy-e...	Dummy T <sub>E</sub> X Live RPM for use with RHEL 7 and derived distributions	Tennent	477
texlive-dummy-e...	Dummy T <sub>E</sub> X Live RPM for use with RHEL 8 and derived distributions	Tennent	477
texlive-dummy-e...	Dummy T <sub>E</sub> X Live RPM for use with RHEL 6 and derived distributions	Tennent	477
texlive-dummy-f...	Dummy T <sub>E</sub> X Live RPM for use with Fedora and similar distributions	Seliger	435
texlive-dummy-o...	Dummy T <sub>E</sub> X Live RPM for use with Open SUSE	Niepraschk	361
texlive-repo	A mirror of the T <sub>E</sub> X Live repository	T <sub>E</sub> XLive	480
TeX Live source...	Sources of the T <sub>E</sub> X Live distribution	T <sub>E</sub> XLive	480
texlive	A comprehensive distribution of T <sub>E</sub> X and friends	T <sub>E</sub> XLive	480
texliveonfly	On-the-fly download of missing T <sub>E</sub> X live packages	Naranong	355
texlog-extract	Extract errors and warnings from T <sub>E</sub> X logs	Dekker	189
texloganalyser	Analyse T <sub>E</sub> X logs	van Oudenhove	375
texlogfilter	Filter L <sup>A</sup> T <sub>E</sub> X engines output or log file	Labbé	303
texlogos	Ready-to-use L <sup>A</sup> T <sub>E</sub> X logos	Ruzyczka	418
texlogsieve	Filter and summarize L <sup>A</sup> T <sub>E</sub> X log files	Lago	304
TeXmacs	Structured text editor for T <sub>E</sub> X	van der Hoeven	255
texmalli	A quick Finnish introduction to using L <sup>A</sup> T <sub>E</sub> X	Kaijanaho	272
TeXmate	Comprehensive chess annotation in L <sup>A</sup> T <sub>E</sub> X	Garcia-De Castro	172
texments	Using the Pygments highlighter in L <sup>A</sup> T <sub>E</sub> X	Kubica	299
TeXmuse	Music typesetting system using T <sub>E</sub> X and Metafont	Garcia-De Castro	172
texnegar	Kashida justification in X <sub>Y</sub> L <sup>A</sup> T <sub>E</sub> X and LuaLaTeX	Movahhedian	349
TeXnicCenter	An IDE for L <sup>A</sup> T <sub>E</sub> X on MSWindows	Wiegand	528
texonly	A sample document in Plain T <sub>E</sub> X	Borck-Elsner	154
texosquery	Cross-platform Java application to query OS information	Talbot	470
texpack	Create documented L <sup>A</sup> T <sub>E</sub> X classes, packages and docs in a Unix environment	Lulli	326
texperf	A WordPerfect to L <sup>A</sup> T <sub>E</sub> X translator	Forkosh	215
texpict	Create drawings for L <sup>A</sup> T <sub>E</sub> X	Ribo	402
texpictex	Use tpic special commands in PiCTeX	Grunwald	237
texplate	A tool for creating document structures based on templates	Cereda	173
texpower	Create dynamic online presentations with L <sup>A</sup> T <sub>E</sub> X	Lehmke, Nordhaug	310
TeXProject	A package for project management	Bressan, Gurari	159
TeXProposal	A proposal prototype for L <sup>A</sup> T <sub>E</sub> X promotion in Chinese universities	Zhennan	546
texref	Find cross-references in a L <sup>A</sup> T <sub>E</sub> X file	Friendly	219

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
texshade	Package for setting nucleotide and peptide alignments	Beitz	147
TeXShell	X-Window Shell for $\TeX$	Mittelbach	346
texshell32	A free $\TeX$ Shell for MS-Windows 95 and NT	Struve	459
texshop	$\TeX$ front end for use on MacOS X	Koch	291
TeXsis	Plain $\TeX$ macros for Physicists	Myers, Paige	354
texsketch	A drawing package for OS/2	Bahnes	137
texsort	Sort/compress numerical lists	Tolušis	489
texspell	A $\LaTeX$ spelling checker	Eckl	199
texsurgery	A $\LaTeX$ companion to the “texsurgery” python project	Angulo	131
TeX T1	$\TeX$ format from Washington State University	Guenther	237
text2bib	A PHP script to convert references to BibTeX	Osborne	375
textarea	Control the text area dynamically	Rozhenko	417
textcase	Case conversion ignoring mathematics, etc	Carlisle	169
textcomp	$\LaTeX$ support for the Text Companion fonts	Rahtz	395
textcsc	Simple commands for caps-to-small-caps text	Granet	232
textfit	Fit text to a desired size	Rahtz, Taylor	396
textglos	Typeset and index linguistic gloss abbreviations	Weber	525
textgreek	Upright greek letters in text	Michlmayr	341
textmerg	Merge text in $\TeX$ and $\LaTeX$	Piff, Fairbairns, Carlisle	387
textool	A SunOS DVI viewer	Ilieve	262
texttoolspro	Tools for documentation written in $\LaTeX$	Algaba	129
textopo	Annotated membrane protein topology plots	Beitz	147
textpath	Setting text along a path with MetaPost	Hennig	251
textpos	Place boxes at arbitrary positions on the $\LaTeX$ page	Gray	233
textualicomma	Use the textual comma character as decimal separator in math mode	Friedl	218
textures-metrics	Adobe font metrics, converted for use with Textures	Kahn	272
texvc	Use MediaWiki $\LaTeX$ commands	Schubotz	431
texware	Utility programs for use with $\TeX$	Knuth	290
tfmpk	A viewer for tfm and pk font files	Medini	339
TFMPKtest	Check and correct checksums of TFM and PK files	Larchey, Roegel, Rossi	306
trrupee	A font offering the new (Indian) Rupee symbol	Jørgensen	271
tgothic	Gothic Textura Quadrata manuscript book-hand font	Wilson	532
tgrind	Produce beautiful program listings using plain $\TeX$	Jacobson	266
tgrind209	Support tgrind in $\LaTeX$ 2.09	Unknown	502
thai-rmit	A font for Thai script	Kent	276
thai-usl	A font for Thai script	Kent	277
thaienum	Thai labels in enumerate environments	Janthong	266
thaifonts-arundina	DejaVu-compatible Thai fonts	Karoonboonyanan	274
ThailaTeX	Typeset Thai texts with standard $\LaTeX$ classes	Karoonboonyanan	274
thaispec	Thai Language Typesetting in $\X_{\LaTeX}$	Promkam	392
thalie	Typeset drama plays	Paternault	382
theanodidot	TheanoDidot fonts with $\LaTeX$ support	Tennent	477
theanomodern	Theano Modern fonts with $\LaTeX$ support	Tennent	477
theanooldstyle	Theano OldStyle fonts with $\LaTeX$ support	Tennent	477
theapa	APA (American Psychology Association) Reference Citation for $\LaTeX$	Ryu	419
theatre	A sophisticated package for typesetting stage plays	Hinque	253
theorem	Manipulate theorem environments	Mittelbach, $\LaTeX$ Team	346
theoremref	References with automatic theorem names	Jeřábek	269
thepdfnumber	Print PDF numbers with minimal digits	Oberdiek	370
thermodynamics	Macros for multicomponent thermodynamics documents	Hammond	241
these	Bibliography style for French theses	Herrb	252
thesis-ekf	Thesis class for Eszterházy Károly Catholic University	Tómacs	490
thesis-gwu	Thesis class for George Washington University School of Engineering and Applied Science	Kulumani	301
thesis-qom	Thesis style of the University of Qom, Iran	Razavian	398

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
thesis-titlepag...	Little style to create a standard titlepage for diploma thesis	Lamers	304
thesis	Typeset thesis	Matiaske	334
thinsp	A stretchable $\backslash$ thinspace for L <sup>A</sup> T <sub>E</sub> X	Jørgensen	271
thirteen	Print dates of Friday 13th days	Unknown	502
thmbox	Decorate theorem statements	Beffara	146
thmtools	Extensions to theorem environments	Schwarz, Chou	433
thorshammer	Assessment based on AcroTeX quizzes	Story	458
threadcol	Organize document columns into PDF “article thread”	Pakin	378
threecol	Three-column newsletter output	Unknown	502
threecolumn	L <sup>A</sup> T <sub>E</sub> X output in three columns	Greenwade	234
threeddice	Create images of dice with one, two, or three faces showing, using MetaPost	Luecking	325
3DLDF	Three-dimensional drawing with MetaPost output	Finston	212
threeparttable	Tables with captions and notes all the same width	Arseneau	134
threeparttablex	Notes in longtables	Madsen	329
thrmappendix	Theorems, lemmas, etc., in appendix	Klemens	286
thsmc	Metrics and L <sup>A</sup> T <sub>E</sub> X support for Sans Mono Condensed Font	Veytsman	511
thuaslogos	Logos for The Hague University of Applied Sciences (THUAS)	op den Brouw	161
thubeamer	A beamer theme for Tsinghua University	Yang	539
thucoursework	Coursework template for Tsinghua University	Zhao	546
thumb	Thumb marks in documents	Holm Christensen	178
thumbpdf	Thumbnails for pdfTeX and dvips/ps2pdf	Oberdiek	370
thumbs	Create thumb indexes	Münch	351
thumby	Create thumb indexes for printed books	Goldgaber	227
thuthesis	Thesis template for Tsinghua University	Xue, Tsinghua University	538
tib	A bibliographic preprocessor	TUNA Association	
tibetan	An early L <sup>A</sup> T <sub>E</sub> X Tibetan package	Alexander, Kremer, Kolb	128
ticket	Make labels, visiting-cards, pins with L <sup>A</sup> T <sub>E</sub> X	Schwartz, Knight, Wujastyk	433
ticollege	Graphical representation of keys on a standard scientific calculator	Emmel	203
tidyres	Create formal resumes easily	De Sousa	448
tie	Allow multiple web change files	Liang	313
tif2eps	A PostScript program for converting TIFF files to EPS	Guntermann	238
tiff	The tiff graphics package	Jackowski, Pianowski, Strzelczyk	265
tikz-3dplot	Coordinate transformation styles for 3d plotting in TikZ	Leffler	309
tikz-among-us	Create some AmongUs characters in TikZ environments	Hein	247
TikZ-Bagua	Draw Bagua symbols in Yijing	Zucatelli	548
tikz-bayesnet	Draw Bayesian networks, graphical models and directed factor graphs	WANG	524
tikz-bbox	Precise determination of bounding boxes in TikZ	Luttinen	327
tikz-cd	Create commutative diagrams with TikZ	Unknown	502
tikz-dependency	A library for drawing dependency graphs	Stoffel	455
tikz-dimline	Technical dimension lines using PGF/TikZ	Pighin	387
tikz-ext	A collection of libraries for PGF/TikZ	Gross	236
TikZ-FeynHand	Feynman diagrams with TikZ	Unknown	502
tikz-feynman	Feynman diagrams with TikZ	Dohse	192
tikz-imagelabels	Put labels on images using TikZ	Ellis	202
tikz-inet	Draw interaction nets with TikZ	Plüss	389
tikz-kalender	A L <sup>A</sup> T <sub>E</sub> X based calendar using TikZ	de Falco	207
tikz-karnaugh	Typeset Karnaugh maps using TikZ	Niepraschk	361
tikz-ladder	Draw ladder diagrams using TikZ	Laus	307
tikz-lake-fig	Schematic diagrams of lakes	Laus	307
tikz-layers	TikZ provides graphical layers on TikZ: “behind”, “above” and “glass”	Stachelek	451
tikz-mirror-lens	Spherical mirrors and lenses in TikZ	Moutinho	349
		Zucatelli	548

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
tikz-nef	Create diagrams for neural networks constructed with the methods of the Neural Engineering Framework (NEF)	Gosmann	230
tikz-network	Draw networks with TikZ	Hackl	239
tikz-nfold	Triple, quadruple, and n-fold paths with TikZ	Schulz	431
tikz-opm	Typeset OPM diagrams	Hoffmann	255
tikz-optics	A library for drawing optical setups with TikZ	Fruchart	219
tikz-page	Small macro to help building nice and complex layout materials	Gross	237
tikz-palattice	Draw particle accelerator lattices with TikZ	Schmidt	425
TikZ-planets	Illustrate celestial mechanics and the solar system	Santos	420
tikz-qtree	Use existing qtree syntax for trees in TikZ	Chiang	177
tikz-relay	TikZ library for typesetting electrical diagrams	Laus	307
tikz-sfc	Symbols collection for typesetting Sequential Function Chart (SFC) diagrams (PLC programs)	Laus	307
tikz-swigs	Horizontally and vertically split elliptical nodes	Richardson	402
tikz-timing	Easy generation of timing diagrams as TikZ pictures	Scharrer	423
tikz-trackschem...	A TikZ library for creating track diagrams in railways	Scheidt	424
tikz-truchet	Draw Truchet tiles	Scroggs	434
TikZbricks	Drawing bricks with TikZ	Unknown	502
tikzcodeblocks	Helps to draw codeblocks like scratch, NEPO and PXT in TikZ	Salamon	419
TikZducks	A little fun package for using rubber ducks in TikZ	Unknown	502
tikzfill	TikZ libraries for filling with images and patterns	Sturm	460
tikzinclude	Import TikZ images from collections	Schwenk, Berg	433
TikZlings	A collection of cute little animals and similar creatures	Unknown	502
tikzmark	Use TikZ's method of remembering a position on a page	Stacey	451
TikZmarmots	Drawing little marmots in TikZ	Unknown	502
tikzorbital	Atomic and molecular orbitals using TikZ	Salvato-Vallverdu	419
tikzpackets	Display network packets	Paciorek	376
tikzpagenodes	A single TikZ node for the whole page	Scharrer	423
tikzpeople	Draw people-shaped nodes in TikZ	Fleischhacker	213
tikzpfeile	Draw arrows using PGF/TikZ	Fütterer, Zachhuber	220
Tikzpingus	Penguins with TikZ	Sihler	443
tikzposter	Create scientific posters using TikZ	Richter, Barnard, Botoeva, Surmann	403
tikzscale	Resize pictures while respecting text size	Häcker	239
tikzsymbols	Some symbols created using TikZ	Vitecek	514
tikzsvg	A utility for rendering TikZ diagrams to SVG	Unknown	502
tikzviolinplots	Draws violin plots from data	Callil-Soares	167
tile-graphic	Create tiles of a graphical file	Story	458
timbreicmc	Typeset documents with ICMC/USP watermarks	Frasson	217
time-gen	Print the time (12-hour clock)	Sen	435
time	Defines a macro \now to print the current time	Piff, Fairbairns, Carlisle	387
timeline	Typeset time-lines, for planning, etc	Unknown	502
times	Select Adobe Times Roman (or equivalent) as default font	Rahtz	395
timetab	Typeset timetables	Oetiker	371
timetable	Generate timetables	Verunek	508
timing-diagrams	Draw timing diagrams	Moy	349
timing	Fonts and macro package for drawing timing diagrams	May, Leilich	336
tinos	Tinos fonts with L <sup>A</sup> T <sub>E</sub> X support	Tennent	477
tiny21	Pretty print C/C++/Java source code using L <sup>A</sup> T <sub>E</sub> X	Plugge	389
tip	Macro examples from “TeX in Practice”	von Bechtolsheim	144
tipa-de	German translation of tipa documentation	Leistner	311
tipa	Fonts and macros for IPA phonetics characters	Rei	399
tipauni	Producing Unicode characters with TIPA commands	Unknown	502
tipfr	Produces calculator's keys with the help of TikZ	De Sousa	448
tipos	Description of fonts for T <sub>E</sub> X, in Spanish	Bezos López	318



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
tiscreen	Mimic the screen of older Texas Instruments calculators	Ibrahim	262
titlecaps	Setting rich-text input into Titling Caps	Segletes	435
titlefoot	Add special material to footer of title page	Presnell	391
titlepage-uni-d...	Titlepage for University of Dortmund (Germany)	Sebastiani	434
titlepages	Sample titlepages, and how to code them	Wilson	532
titlepic	Add picture to title page of a document	ten Cate	172
titleps	Page style control	Bezos López	318
titleref	A “\titleref” command to cross-reference section titles	Arseneau	134
titles	Titles of books, articles, etc. in L <sup>A</sup> T <sub>E</sub> X	Swift	462
titlesec	Select alternative section titles	Bezos López	318
titletoc	Alternative headings for toc/lof/lot	Bezos López	318
titling	Control over the typesetting of the \maketitle command	Robertson, Wilson	408
tkbibtex	A portable editor and browser for BibTeX files	Corke	183
tkdvi	DVI previewer built with the Tcl/Tk toolkit	Lingnau	315
tkhyph	Hyphenation patterns for Turkish	MacKay	328
tktexcad	Generate L <sup>A</sup> T <sub>E</sub> X picture environments	Straube	459
tkz-base	Tools for drawing with a cartesian coordinate system	Matthes	334
tkz-berge	Macros for drawing graphs of graph theory	Matthes	334
tkz-doc	Documentation macros for the TKZ series of packages	Matthes	335
tkz-euclide	Tools for drawing Euclidean geometry	Matthes	335
tkz-fct	Tools for drawing graphs of functions	Matthes	335
tkz-graph	Draw graph-theory graphs	Matthes	335
tkz-kiviat	Draw Kiviat graphs	Matthes	335
tkz-linknodes	Link nodes in mathematical environments	Matthes	335
tkz-orm	Create Object-Role Model (ORM) diagrams	Voß, Staps	521
tkz-tab	Tables of signs and variations using PGF/TikZ	Matthes	335
tkzexsample	Package for the documentation of all tkz-* packages	Matthes	335
tlaunch	A Windows GUI to run a networked T <sub>E</sub> X Live as if installed locally	Kroonenberg	298
tlc-article	A L <sup>A</sup> T <sub>E</sub> X document class for formal documents	Howard	259
tlc2-errata	Errata list for The L <sup>A</sup> T <sub>E</sub> X Companion, Second Edition	Mittelbach, Goossens	345
tlc2-examples	Examples from “The L <sup>A</sup> T <sub>E</sub> X Companion”, second edition	Mittelbach	344
tlc3-examples	All examples from “The L <sup>A</sup> T <sub>E</sub> X Companion”, third edition	Mittelbach	344
TL Cockpit	A GUI frontend to T <sub>E</sub> X Live Manager (tlmgr)	Preining	391
tlg2latex	Prepare L <sup>A</sup> T <sub>E</sub> X from the Thesaurus Linguae Graecae	Rouquette	415
tlmgr-intro-zh-cn	A short tutorial on using tlmgr in Chinese	Sun	461
tlmgrBasics	A simplified documentation for tlmgr	Tennent	477
tmmath-fonts	Bitmap versions of the Micropress TM-Math fonts (Times Maths)	MicroPress	341
tmmath	Support for using the Micropress TM-Math fonts	Schmidt, Harcombe	426
tmview	A DVI previewer for SVGA displays	Moor	347
to-be-determined	Highlight text passages that need further work	Bugayenko	163
toc-zar	Plain T <sub>E</sub> X table of contents macros	Zirin	547
toc	Table of contents macros for Plain T <sub>E</sub> X	Unknown	502
tocbasic	Management of tables/lists of contents (and the like)	Kohm	294
tocbibind	Add bibliography/index/contents to Table of Contents	Robertson, Wilson	408
tocdata	Adds names to chapters, sections, figures in the TOC and LOF	Dunn	197
tocenter	Centring (and other) Page Layout	Rozhenko	417
tocloft	Control table of contents, figures, etc	Robertson, Wilson	408
tocstyle	Define style of Table of contents (etc) files	Kohm	294
tocvsec2	Section numbering and table of contents control	Robertson, Wilson	408
todo	Make a to-do list for a document	Garcia-De Castro	172
todonotes	Marking things to do in a L <sup>A</sup> T <sub>E</sub> X document	Midtiby	341
toil	An installer of PostScript fonts for T <sub>E</sub> X	Jackowski, Pianowski, Strzelczyk	265
tokcycle	Build tools to process tokens from an input stream	Segletes	435
tokenizer	A tokenizer	Herpers	252

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
tolkienfonts	Use TTF "Tolkien" fonts from the WWW with pdfTeX	Barton	140
toneval	Tool for linguists and phoneticians to visualize tone value patterns	Chen	175
toolbox	Tool macros	Väth	506
topcapt	Place captions above figures or tables	Fairbairns, Carlisle	206
topfloat	Move floats to the top of the page	Macchia	328
topiclongtable	Extend longtable with cells that merge hierarchically	Brasolin	158
TOPletter	Letter class for the Politecnico di Torino	Torchiano	490
topsection	An un-numbered top level section	Rozhenko	418
TOPtesi	Bundle for typesetting multilanguage theses	Beccari	143
totalcount	Commands for typesetting total values of counters	Sommerfeldt	448
totcount	Find the last value of a counter	Koutavas	296
totpages	Count pages in a document, and report last page number	Müller	350
tpcmfont	Computer modern fonts in "true point sizes"	Knuutila	291
tpic2pdfTEX	Use tpic commands in pdfTeX	Henkel, T <sub>E</sub> XLive	251
tpslifonts	A L <sup>A</sup> T <sub>E</sub> X package for configuring presentation fonts	Lehmke	310
TpX	A drawing tool for Windows	Tsyplakov	492
tqft	Drawing TQFT diagrams with TikZ/PGF	Stacey	451
tr2latex	Translate troff source to L <sup>A</sup> T <sub>E</sub> X	Engel, Jagdman, Al-Yahya	203
trace	Make sensible use of T <sub>E</sub> X tracing in L <sup>A</sup> T <sub>E</sub> X	Mittelbach, L <sup>A</sup> T <sub>E</sub> X Team	346
tracking	Adjust tracking of strings	Glazkov	226
tracklang	Language and dialect tracker	Talbot	470
trademarks	A collection of trademarks and the like	Unknown	502
trajan	Fonts from the Trajan column in Rome	Wilson	532
tram	Typeset tram boxes in L <sup>A</sup> T <sub>E</sub> X	Khalighi, bidi-tex GitHub Organisation	278
tramlines	A package for creating tramlines (lines above and below a title used by lawyers in the UK)	Granet	232
trans	A simple T <sub>E</sub> X macro package for PostScript transformations	BOP	154
transfig	Transform xfig pictures into many other formats	Smith	445
translation-arr...	French translation of the documentation of array	Drucbert	195
translation-ars...	German version of arsclassica	Römer, Gessinger	412
translation-bib...	German translation of the User Guide for BibLaTeX	Römer	411
translation-boo...	French translation of the documentation of booktabs	Drucbert	195
translation-che...	German version of chemsym	Römer, Heuke	412
translation-dco...	French translation of the documentation of dcolumn	Drucbert	195
translation-ecv-de	Ecv documentation, in German	Römer, Vogel	412
translation-enu...	Enumitem documentation, in German	Ludwig, Römer	324
translation-eur...	German version of europecv	Römer, Fischer	412
translation-fil...	German version of filecontents	Römer, Berndt	411
translation-foo...	A German translation of the documentation of footmisc	Römer	411
translation-mor...	German version of moreverb	Römer, Biniok	412
translation-nat...	French translation of the documentation of natbib	Drucbert, Daly	196
translation-pst...	A German translation of the documentation of pst-jtree	Römer	411
translation-tab...	French translation of the documentation of Tabbing	Drucbert	196
translations	Internationalisation of L <sup>A</sup> T <sub>E</sub> X2e packages	Niederberger	360
translator	Easy translation of strings in L <sup>A</sup> T <sub>E</sub> X	Wright	536
Transparent-IO	Show for approval the filenames used in \input, \openin, or \openout	Wermuth	527
transparent	Using a color stack for transparency with pdfTeX	Oberdiek	370
tree-dvips	Trees and other linguists' macros	Pease	382
treedef	Macros to typeset trees in Plain T <sub>E</sub> X	Eppstein	203
treesvr	Tree macros	Vanroose	506
treetex-ltx209	Draw horizontally- or vertically-oriented trees	Bloesch	152
treetex-plain	Draw trees	Brueggemann-Klein, Wood	161
trfsigns	Typeset transform signs	Rascher	398
trig	Simple trigonometric functions	Carlisle, L <sup>A</sup> T <sub>E</sub> X Team	171

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
trigonometry	Demonstration code for cos and sin in $\TeX$ macros	Taylor	472
trimspaces	Trim spaces around an argument or within a macro	Robertson	405
trivfloat	Quick float definitions in $\LaTeX$	Wright	536
trsym	Symbols for transformations	Holfert	257
truchet	Truchet tiling in MetaPost	Roegel	409
truecols	Colour facilities for $\text{SliTeX}$	Love	321
truetypermetrics	Metrics for some TrueType font families	Penninga	384
TrueTypeToType42	Generate a Type 42 font from a TrueType font	Barton	140
truncate	Truncate text to a specified width	Arseneau	134
truthtable	Automatically generate truth tables for given variables and statements	Flück	214
TrY	Automation of $\TeX$ / $\LaTeX$ compilation	Tex	478
tsconfig	Setup support for $\TeX$ shell	Nitschke	362
tsemlines	Support for the ancient <code>\emline</code> macro	Schlemmer	424
tsipa	Macros and fonts to produce IPA typesetting	Hajime, Rei, Shun	241
tsvtemplate	Apply a template to a tsv file	Renkema	401
tt2001	Type 1 EC fonts generated by $\TeX$ trace	Szabó	465
ttf-howto	Using TrueType fonts with $\TeX$ systems	Harders	245
ttf2mf	Convert True Type fonts to Metafont	Motygin	349
ttf2pfb	Make an Adobe Type 1 version of a TrueType font	Lemberg	312
ttf2pt1	Convert TrueType fonts to Adobe Type 1 format	Weeks, Siegert, Henlich	525
ttf2tex	Use TrueType fonts with $\text{teTeX}$	Lehman	310
ttftogf	Convert True Type fonts to GF format	Vasil'ev	506
tth	A $\TeX$ to HTML translator	Hutchinson	261
ttn	TeX and TUG news archive	Thiele	486
ttt	A Tibetan Transcript Transliterator for $\LaTeX$	Steiner	454
tucv	Support for typesetting a CV or résumé	Louthan	321
tuda-ci	$\LaTeX$ templates of Technische Universität Darmstadt	Peischl	384
tudscr	Corporate Design of Technische Universität Dresden	Hanisch	241
tuft-latex	Document classes inspired by the work of Edward Tufte	Godby	227
tugboat-plain	Plain $\TeX$ macros for TUGboat	Beeton, Berry	146
tugboat-toc	An accumulation of TUGboat tables of contents	Beeton	145
tugboat	$\LaTeX$ macros for TUGboat articles	Fairbairns, Berry	205
tui	Thesis style for the University of the Andes, Colombia	Vaughan	507
turabian-format...	Formatting based on Turabian's Manual	Abdool	126
turabian	Create Turabian-formatted material using $\LaTeX$	Surber	461
turkish	$\LaTeX$ Support for Typesetting Turkish	MacKay	328
turkishintro	An introduction to $\LaTeX$ , in Turkish	Rakhimov	397
turkmen	Babel support for Turkmen	Annagurban	131
turnstile	Typeset the (logic) turnstile notation	Buchsbaum, Reinaldo	162
turnthepage	Provide "turn page" instructions	Merciadri	340
TVS	TeX Versioning System	Antos	131
twcal	Calligraphic font for typesetting handwriting	Weinmann	526
tweb	A web system for $\TeX$ macro sources	Bzyl	166
twemoji-colr	Twemoji font in COLR/CPAL layered format	Zeng	545
twemojis	Use Twitter's open source emojis through $\LaTeX$ commands	Rossel	413
twocolumns	Knuth's two-column output macros	Knuth	290
2in1	Print two pages on a single page	Saxena	421
twoopt	Definitions with two optional arguments	Oberdiek	370
twoside	Two-side typesetting in Plain $\TeX$	Unknown	502
twoup-gen	Macros to print two-up	Van Zandt, Voß	544
twoup1tx	Print two virtual pages on each physical page	Hansen	242
txfonts	Times-like fonts in support of mathematics	Ryu	419
txfontsb	Extensions to txfonts, using GNU Freefont	Tsolomitis	492
txgreek	Shape selection for TX fonts Greek letters	Burnol	165
txp	Draw text along a path	Muelas	349

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
txt	Output documents via terminals, line printers, etc	Droms	195
txt2latex	Convert text by fixing special chars and quote marks	Miller	343
txt2tex	Add L <sup>A</sup> T <sub>E</sub> X markup to plain text	Jansons	266
TXUp <sub>r</sub> Cal	Upright calligraphic font based on TX calligraphic	Sharpe	439
type1cm	Arbitrary size font selection in L <sup>A</sup> T <sub>E</sub> X	Carlisle	169
type1ec	Permit EC, TC and LH fonts at arbitrary sizes	Volovich	515
typearea	Set page margins	Kohm, Neukam	295
typed-checklist	Typesetting tasks, goals, milestones, artifacts, and more in L <sup>A</sup> T <sub>E</sub> X	Grewe	236
typedref	Eliminate errors by enforcing the types of labels	Seidman, Ashton	435
typeface	Select a balanced set of fonts	Jones	270
typehtml	Typeset HTML directly from L <sup>A</sup> T <sub>E</sub> X	Carlisle	169
typeoutfileinfo	Display class/package/file information	Lück	324
typespec	Create font samplers	Moye	349
typewriter	Typeset with a randomly variable monospace font	Carlisle	169
typicons	Font containing a set of web-related icons	Vigil	512
typoid	Macros for font diagnostics	Ratti	398
typografie	A tutorial on typography	Reichert	400
typogrid	Print a typographic grid	Harders	245
tzplot	Plot graphs with TikZ abbreviations	Cho	178
<b>UUUUU</b>			
u8tex	Input Unicode characters in T <sub>E</sub> X notation, in emacs	Pokrovsky	389
uaclases	University of Arizona thesis and dissertation format	Oliver	372
uafthesis	Document class for theses at University of Alaska Fairbanks	Holbrook	257
uantwerpendocs	Course texts, master theses, and exams in University of Antwerp style	Daems	185
uassign	Environments and options for typesetting university assignments	Esau	204
ucalgmthesis	L <sup>A</sup> T <sub>E</sub> X thesis class for University of Calgary Faculty of Graduate Studies	Zach	543
ucbthesis	Thesis and dissertation class supporting UCB requirements	Vojta, Gildea	514
ucdavisthesis	A thesis/dissertation class for University of California at Davis	Scott	433
ucharcat	Implementation of the (new in 2015) XeTeX \Ucharcat command in lua, for LuaTeX	Carlisle	169
ucharclasses	Font actions in XeTeX according to what is being processed	Kamermans	273
ucs	Extended UTF-8 input encoding support for L <sup>A</sup> T <sub>E</sub> X	Jeltsch, Unruh, Carlisle	268
ucsmograph	Typesetting academic documents from the University of Caxias do Sul	Baron	139
ucthesis	University of California thesis format	Gildea	224
ucthesis209	L <sup>A</sup> T <sub>E</sub> X 2.09 document style for UC Theses	Munson	352
udes-genie-these	A thesis class file for the Faculté de génie at the Université de Sherbrooke	Brunet	161
udesoftec	Thesis class for the University of Duisburg-Essen	Schuler	431
uebungsblatt	A L <sup>A</sup> T <sub>E</sub> X class for writing exercise sheets	Akkerman	128
uestcthis	Thesis class for UESTC	Fujun	219
ufrgscca	A bundle for undergraduate students final work/report (tcc) at UFRGS/EE	Frigeri	219
ugarite	Fonts for Ugaritic cuneiform script	Wilson	532
ugaritic	A font for Ugaritic	Stanier	452
uhc	Fonts for the Korean language	Un	495
uhassignment	A document class for typesetting homework assignments	Wittenburg	533
uhrzeit	Time printing, in German	Meltzer	340
unthesis	University of Houston thesis document style	Georgakopoulos	222
uiucdborder	Class for UIUC thesis red-bordered forms	Pakin	378
uiucthesis	UIUC thesis class	Czoschke, Hull	185
ukbill	A class for typesetting UK legislation	Granet	232
ukdate	Typeset date in a UK-ish form	Clark	179
ukhyph	Hyphenation patterns for British English	Wujastyk, Taylor	536
ukrhyph	Hyphenation Patterns for Ukrainian	Shvaika, Polyakov, Vulis	441

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
UK-TeX	The UK TeX digest	Unknown	502
uktug-bask	Old copies and sources of Baskerville	UK TeX Users Group	494
ulem	Package for underlining	Arseneau	134
ulqda	Support of Qualitative Data Analysis	Griffin	236
ulsy-ps	Extra mathematical characters in Adobe Type 1 format	Goldschmitt, Henel	228
ulsy	Extra mathematical characters	Goldschmitt	227
ulthese	Thesis class and templates for Université Laval	Lasou, Goulet	306
Ultra-TeX	An emacs TeX mode with "lightning completion"	Palmieri	379
umclegislation	A L <sup>A</sup> T <sub>E</sub> X class for building legislation files for UMBC Student Government Association Bills	DasSarma	188
umich-thesis	University of Michigan Thesis L <sup>A</sup> T <sub>E</sub> X class	Kleb	283
UML	UML diagrams in L <sup>A</sup> T <sub>E</sub> X	Gjelstad	226
umlaute	German input encodings in L <sup>A</sup> T <sub>E</sub> X	Sommerfeldt	448
umoline	Underline text allowing line breaking	Nakashima	355
umrand	Package for fancy box frames	Schrell, Hörstmeier	429
umthesis	Dissertations at the University of Michigan	Felty	208
umtypewriter	Fonts to typeset with the xgreek package	Syropoulos	464
unam-thesis	Create documents according to the UNAM guidelines	Camacho Bolaños	153
unamth-template	UNAM Thesis L <sup>A</sup> T <sub>E</sub> X Template	Velázquez	507
unamthesis	Style for Universidad Nacional Autonoma de Mexico theses	Freyre-Gonzalez	218
UnBTeX	A class for theses at University of Brasilia (UnB)	Ferreira	209
uncial	Uncial manuscript book-hand font	Wilson	532
undergradmath	L <sup>A</sup> T <sub>E</sub> X Math for Undergraduates cheat sheet	Hefferon	247
underlin-generic	Multi-word underlining	Gildea	225
underlin	Underlined running heads	Schöpf	429
underoverlap	Position decorations over and under expressions	Helvensteijn	249
underscore	Control the behaviour of " _ " in text	Arseneau	134
undertilde-gen	A simple macro for placing a tilde under a character	Unknown	502
undertilde	Typeset a tilde under one (or many) maths symbols	Bayart	142
undolabl	Override existing labels	Münch	351
undump	Make a new executable with format loaded	Thomas	486
unfinished	Mark unfinished parts of a document	Unknown	503
unfonts-core	TrueType version of Un-fonts	Un	495
unfonts-extra	TrueType version of Un-fonts	Un	495
uni-titlepage	Universal titlepages with configuration options and predefined styles	Kohm	294
uni-wtal-ger	Citation style for literary studies at the University of Wuppertal	Dahlmann	186
uni-wtal-lin	Citation style for linguistic studies at the University of Wuppertal	Dahlmann	186
unicode-alphabets	Macros for using characters from Unicode's Private Use Area	Eriksen	203
unicode-bidi	Experimental unicode bidi package for XeTeX	Khalighi, bidi-tex GitHub Organisation	279
unicode-data	Unicode data and loaders for TeX	Wright, L <sup>A</sup> T <sub>E</sub> X Team	536
unicode-math	Unicode mathematics support for XeTeX and LuaTeX	Robertson, Hosny	406
unicode	Extended UTF-8 input encoding for L <sup>A</sup> T <sub>E</sub> X	Jeltsch, Unruh	268
unicodfonttable	A Unicode font table generator	Mittelbach	345
UniFiTh	Typeset theses for University of Florence (Italy)	Biccari	150
unigrazpub	L <sup>A</sup> T <sub>E</sub> X templates for University of Graz Library Publishing Services	Peischl	384
unimath-plain-x...	OpenType math support in (plain) XeTeX	Zhang	546
uninormalize	Unicode normalization support	Hoftich	256
uniquecounter	Provides unlimited unique counter	Oberdiek	370
unisc	Unicode small caps with Lua/XeLaTeX	Unknown	503
unisugar	Define syntactic sugar for Unicode L <sup>A</sup> T <sub>E</sub> X	Gil	224
unitconv	Convert a length into one with another unit	Voß	519
unitipa	TIPA typefaces with Unicode characters as input	Unknown	503
unitn-bimrep	A bimonthly report class for the PhD School of Materials, Mechatronics and System Engineering	Ragni	395



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
units	Typeset units	Reichert	400
unitsdef	Typesetting units in L <sup>A</sup> T <sub>E</sub> X	Happel	242
universa	Herbert Bayer's 'universal' font	Holm Christensen	178
universalis	Universalis font, with support	Tennent	478
univie-ling	Papers, theses and research proposals in (Applied) Linguistics at Vienna University	Spitzmüller	449
unixman	Typeset to look like Unix man output	Barton-Davis	140
unizgklasa	A L <sup>A</sup> T <sub>E</sub> X class for theses at the Faculty Of Graphic Arts in Zagreb	Milin	342
unouter	Suppress \outer flags in Plain T <sub>E</sub> X	McManus	338
unpacked	Unpacked copy of the L <sup>A</sup> T <sub>E</sub> X sources	L <sup>A</sup> T <sub>E</sub> X Team, Mittelbach, Lamport	485
unravel	Watching T <sub>E</sub> X digest tokens	Le Floch	214
unswcover	Typeset a dissertation cover page following UNSW guidelines	Mehani	339
unswthesis	UNSW theses	Zaitseff	543
untext	Strip (La)T <sub>E</sub> X commands from source file	Staats, Endisch	451
uol-physics-report	A L <sup>A</sup> T <sub>E</sub> X document class for writing lab reports	Suchard	460
uothesis	Class for dissertations and theses at the University of Oregon	Anderson	130
uowthesis	Document class for dissertations at the University of Wollongong	Ye	542
uowthesistitlepage	Title page for dissertations at the University of Wollongong	Griffiths	236
upca	Print UPC-A barcodes	Mrkus	349
upgreek	Upright Greek letters	Schmidt, Harcombe	426
uplatex	pLaTeX2e and miscellaneous macros for upT <sub>E</sub> X	Maeda, Japanese T <sub>E</sub> X Team	329
upmendex	Multilingual index processor	Tanaka	471
UPmethodology	Writing specifications such as for UP-based methodologies	Galland	221
uppunctlm	Always keep upright shape for some punctuation marks and Arabic numerals	Kieda	279
upquote	Show "realistic" quotes in verbatim	Covington, Mittelbach, Kuhn	184
upref	Ensure references are upright	The AMS	480
uptex-base	Plain T <sub>E</sub> X formats and documents for upT <sub>E</sub> X	Maeda, Tanaka, Japanese T <sub>E</sub> X Team	329
uptex-fonts	Fonts for use with upT <sub>E</sub> X	Maeda, Japanese T <sub>E</sub> X Team, Tanaka	329
uptex	Unicode version of pT <sub>E</sub> X	Tanaka	471
upzhkinsoku	Supplementary Chinese kinsoku for Unicode *pT <sub>E</sub> X	Zhang	546
urcls	Beamer and scrlltr2 classes and styles for the University of Regensburg	Peischl	384
uri	Hyperlinks for a wide range of URIs	Münch	351
url	Verbatim with URL-sensitive line breaks	Arseneau	134
urlbst	Web support for BibT <sub>E</sub> X	Gray	233
urw-antiqua	URW Antiqua condensed font, for use with T <sub>E</sub> X	URW GmbH, Schmidt, Harcombe	504
urw-arial	URW Arial font pack for use with L <sup>A</sup> T <sub>E</sub> X	URW GmbH, Schmidt, Harcombe	504
URW-base35	URW 'Base 35' font pack for L <sup>A</sup> T <sub>E</sub> X	URW GmbH, Peterlin, Schmidt	504
urw-garamond	URW Garamond No8 Adobe Type 1 fonts	Schmidt, Harcombe	426
URW-Grotesq	URW Grotesq font pack for L <sup>A</sup> T <sub>E</sub> X	URW GmbH, Schmidt, Harcombe	504
urw	URW free font support	URW GmbH	504
urwchancal	Use URW's clone of Zapf Chancery as a maths alphabet	Sharpe	439
urwvf	Support for use of free URW fonts	Wierzbicki	529
uscthis	USC thesis style for L <sup>A</sup> T <sub>E</sub> X 2.09	Cochran	180
usebib	A simple bibliography processor	Gregorio	235
usenix	Style option to do Usenix conference proceedings	Steiner	454
ushort	Shorter (and longer) underlines and underbars	Väth	507

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
ushyph	US hyphenation patterns	Kuiken	301
uspace	Giving meaning to various Unicode space characters	Haisman	240
uspatent	U.S. Patent Application Tools for L <sup>A</sup> T <sub>E</sub> X and LyX	Pupalaikis	392
usrguide	User-mode documentation for L <sup>A</sup> T <sub>E</sub> X	L <sup>A</sup> T <sub>E</sub> X Team	484
ut-backref	Modified backref	Utcke	504
ut-thesis	University of Toronto thesis style	Pitt, Knight	389
utexasthesis	University of Texas at Austin graduate thesis style	Brown	161
utf2any	Converting Unicoded text to L <sup>A</sup> T <sub>E</sub> X, HTML, etc	Kleiweg	286
utf8add	Additional support for UTF-8 encoded L <sup>A</sup> T <sub>E</sub> X input	Jørgensen	271
utf8mex	Tools to produce formats that read Polish language input	Bzyl, Wawrykiewicz	166
utfsym	Provides various Unicode symbols	Spittank	449
util-half	A half-tone font	Unknown	503
utopia	Adobe Utopia fonts	Adobe	127
utorontothesis	A thesis class definition for University of Toronto	Bernecky	148
utthesis	Thesis package for the University of Texas at Austin	Das	187
uvalletter	Unofficial letterhead template for the University of Amsterdam	Piazzai	385
uwa-colours	The colour palette of The University of Western Australia	Di Pietro	387
uwa-letterhead	The letterhead of the University of Western Australia	Di Pietro	387
uwa-pcf	A Participant Consent Form (PCF) for a human research protocol at the University of Western Australia	Di Pietro	387
uwa-pif	A Participant Information Form (PIF) for a human research protocol at the University of Western Australia	Di Pietro	387
uwmslide	Slides with a simple Power Point like appearance	Benedict	147
uwthesis	University of Washington thesis class	Fox	216
uwthesis209	L <sup>A</sup> T <sub>E</sub> X 2.09 style for University of Washington theses	Fox	216
<b>VVVVV</b>			
va	Handwriting fonts	Ludewig	324
vak	BibTeX style for Russian Theses, books, etc	Melnikov	340
Vancouver	Bibliographic style file for Biomedical Journals	van der Beek	145
variablelm	Font definitions for the variable Latin Modern fonts	Kieda	279
variations	Typeset tables of variations of functions	Obrecht	371
varindent	Make paragraph indentation match the length of the line above	Arseneau	134
varindex	Luxury frontend to the \index command	Väth	507
varioref	Intelligent page references	Mittelbach	345
varisize	Change font size in Plain T <sub>E</sub> X	Hosek	258
varsects	A simple package for controlling headings	Taupin	472
varsfromjobname	Extract variables from the name of the L <sup>A</sup> T <sub>E</sub> X file	Ziegenhagen	547
varwidth	A variable-width minipage	Arseneau	134
vaucanson-g	PSTricks macros for drawing automata	Lombardy, Sakarovitch	316
vc	The vc (version control) bundle	Hennig, Hieber	251
vcell	Vertical alignment of content inside table cells	Dionne	192
vdm	Typesetting VDM schemas	Wolczko	533
vdmlisting	Typesetting VDM in ASCII syntax	Lausdahl	307
vector	L <sup>A</sup> T <sub>E</sub> X macros for vectors	Efford	200
venn	Creating Venn diagrams with MetaPost	Hefferon	247
venndiagram	Creating Venn diagrams with TikZ	Talbot	470
venturisADF	Venturis ADF fonts collection	Harendal, Rees	245
verbasef	VERBatim Automatic Splitting of External Files	Thompson	487
verbatim-gen	Generic macros for setting text verbatim	Taylor	473
verbatim-pln	Define new verbatim "environments" in Plain T <sub>E</sub> X	Unknown	503
verbatim-tub	Plain T <sub>E</sub> X macros for verbatim	Beeton	145
verbatim	Reimplementation of and extensions to L <sup>A</sup> T <sub>E</sub> X verbatim	Schöpf, L <sup>A</sup> T <sub>E</sub> X Team	429
verbatimbox	Deposit verbatim text in a box	Segletes	435
verbatimcopy	Make copies of text documents from within L <sup>A</sup> T <sub>E</sub> X	Madsen, Diez	329
verbdef	Define commands which expand to verbatim text	Fairbairns, Carlisle	206

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
verbinp	"8-bit" verbatim	Perske	385
verbments	Syntax highlighting of source code in L <sup>A</sup> T <sub>E</sub> X documents	Zivković	547
verbtext	Verbatim, interpreting non-ascii text	Perske	385
verbtim2	Verbatim listings in Plain T <sub>E</sub> X	Morgan	348
verdana	Macros and metrics for using Verdana with L <sup>A</sup> T <sub>E</sub> X	Daems	185
verifica	Typeset (Italian high school) exercises	Dossena	194
verifiche	A L <sup>A</sup> T <sub>E</sub> X package to typeset (Italian) high school tests	Raccanello	394
verse	Aids for typesetting simple verse	Robertson, Wilson	408
version	Conditionally include text	Bellantoni, Arseneau	147
versions	Optionally omit pieces of text	Lück	324
versionotes	Display brief notes on verso pages	Gray	233
vertbars	Mark vertical rules in margin of text	Robertson, Wilson	408
vertex	Styles for economics working papers and journals	Varian	506
vf-howto	Tutorial on creating virtual fonts	Schmitz	428
vf-knuth	Knuth on virtual fonts	Knuth	290
vfcomb	VF author support	Berdnikov	148
vfinst	Virtual font installation support	Hoening	255
vfware	Tools for virtual font metrics	Knuth	290
vgrid	Overlay a grid on the printed page	Lawrence	307
vhistory	Support for creating a change log	Wertenaue	527
vicentino	Vicentino fonts	Kraml, Kilfiger	297
vietnet	Preprocessor and macros for Vietnamese	Tran	490
viipart	7pt-article class	Zadka	543
viking	Scandinavian runic alphabet as used by the Vikings	Zimmermann	547
vispeech	Using Bell's Visible Speech alphabet	Shoulson	441
visualFAQ-fr	FAQ L <sup>A</sup> T <sub>E</sub> X visuelle francophone	Just	272
visualFAQ	A Visual L <sup>A</sup> T <sub>E</sub> X FAQ	Pakin	378
VisualPSTricks	Visual help for PSTricks based on images with minimum text	Casteleyn	172
visualtex	A T <sub>E</sub> X-oriented visual editor for Windows platforms	Romanenko	411
VisualTikZ	Visual help for TikZ based on images with minimum text	Casteleyn	172
vita	Configurable class for curricula vitarum	Brodnik	160
vita209	A Curriculum Vitae style	Border	155
vmargin	Set various page dimensions	Kuhlmann	300
vmspell	A spell-checker for VMS systems	Fairbairns, Carlisle	206
vmmps	Metrics for using Type 1 fonts available in VMS	Knappen	288
vntex-nonfree	URW Classico and URW Garamond extended for Vietnamese	Kotucha	296
vntex	Support for Vietnamese	Thành, Lemberg, Kotucha	478
vocaltract	Visualise the vocal tract using L <sup>A</sup> T <sub>E</sub> X and PSTricks	Ververidis	509
volumes	Typeset only parts of a document, with complete indexes etc	Küster	302
voss-mathcol	Typesetting mathematics in colour, in (La)T <sub>E</sub> X	Voß	519
voss-mathmode	A comprehensive review of mathematics in (La)T <sub>E</sub> X	Voß	519
vowel	Draw vowel charts for phonetic research	Rei	400
vpage	Set page sizes	Kuhlmann	300
vpe	Source specials for PDF output	Oberdiek	370
vplutils	Manipulate (virtual) property lists	Duggan	197
vpp	View and (selectively) Print PDF and PostScript	Dekker	189
vr	Verbatim macros in plain T <sub>E</sub> X	van der Laan	303
vrbin	Verbatim input support	Thompson	487
vrson	Add version number to a DVI file	Dahlgren	186
vruler	Numbering text	Jiang	269
VSliTeX	Virtual invisible fonts for use with L <sup>A</sup> T <sub>E</sub> X Slides class	Koellner	291
vtable	Vertical alignment of table cells	Paciorek	376
VT <sub>E</sub> X/Free	T <sub>E</sub> X system and PDF support for Linux and OS/2	MicroPress	341
vutex	View T <sub>E</sub> X output on an ASCII-only terminal	Wolfe	534
vvcode	Reliable encoder for binary files via email	Kempson	276

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
vwcol	Variable-width multiple text columns	Robertson	405
vxu	Document classes for Vaxjo University	Nyqvist	364
<b>WWW</b>			
w-a-schmidt	A collection of metrics for commercial fonts	Schmidt, Harcombe	426
w32tex	A comprehensive T <sub>E</sub> X system for Windows	Kakuto	273
wadalab	Wadalab (Japanese) font packages	Lemberg	312
wallcalendar	A wall calendar class with custom layouts	Bhikkhu	150
wallpaper	Easy addition of wallpapers (background images) to L <sup>A</sup> T <sub>E</sub> X documents, including tiling	Wilkinson	529
wargame	A L <sup>A</sup> T <sub>E</sub> X package to prepare hex'n'counter wargames	Holm Christensen	178
warning	Global warnings at the end of the logfile	Harders	245
warpcol	Relative alignment of rows in numeric columns in tabulars	Rochester	408
was	A collection of small packages by Walter Schmidt	Schmidt, Harcombe	426
wasy-type1	Type 1 versions of wasy fonts	Hoekwater, Sharpe	254
wasy	The wasy fonts (Waldi symbol fonts)	Waldi	522
wasysym	L <sup>A</sup> T <sub>E</sub> X support for the wasy fonts	Kielhorn	280
watermark	Draw “watermarks” on the output page	Rozhenko	418
weave	Generate T <sub>E</sub> X source from web	Knuth	290
web	The original literate programming system	Knuth	291
Web2C	Conversion programs and supporting code to compile T <sub>E</sub> X in C	Weber, T <sub>E</sub> XLive	525
web2w	Converting T <sub>E</sub> X from WEB to cweb	Ruckert	418
web9pt	Nine-point web listings	Unknown	503
webcomp-errata	Errata list for The L <sup>A</sup> T <sub>E</sub> X Web Companion	Goossens, Rahtz	230
webfiles	Include CWEB and/or Spidery WEB L <sup>A</sup> T <sub>E</sub> X	Potse	391
webguide	Brief Guide to L <sup>A</sup> T <sub>E</sub> X Tools for Web publishing	Wilson	532
webmacss	Use sans serif font in Web listings	Unknown	503
webomints	Webomints font support	Loreti	321
WebQuiz	Write interactive web based quizzes	Mathas	333
weekday	Generate “day of week”	Vulis	521
wheelchart	Draw wheelcharts with TikZ	Floré	214
wheretotrim	Assist in reducing L <sup>A</sup> T <sub>E</sub> X document page counts	Pakin	378
wichura-table	Table macros for plain T <sub>E</sub> X (and L <sup>A</sup> T <sub>E</sub> X)	Wichura, Carlisle	528
widetable	An environment for typesetting tables of specified width	Beccari	144
widows-and-orphans	Identify (typographic) widows and orphans	Mittelbach	345
wiggly	Draw wiggly lines under text	Garavelli	221
wiki	Use Wiki-style markup in a L <sup>A</sup> T <sub>E</sub> X document	Lück	324
williams	Miscellaneous macros by Peter Williams	Williams	529
willowtreebook	Easy basic book class, built on memoir	McKay	337
win32-emacs-auctex	Ready-to-use Emacs and AucTeX for Windows	Kotucha	296
window	Create windows in paragraphs	Schalück	421
windvi	MS-Windows DVI viewer	Popineau	390
windycity	A Chicago style for BibLaTeX	Chase	174
WinEdt	MS-Windows shell and editor for T <sub>E</sub> X	Simonic	443
winemtex	EmTeX for windows	Unknown	503
Winfonts	Use fonts distributed with Windows XP	Pichaureau	385
winlatex	FrontEnd for T <sub>E</sub> X, Win98/NT, needs Microsoft VisualBasic-DLLs	Reinhardt	401
winshell	A MS-Windows32 user interface for T <sub>E</sub> X	de Boer	153
WinTeX XP	A Win32 T <sub>E</sub> X Editor with the MS Office look and feel	Muecke	349
withargs	In-place argument substitution	Helvensteijn	249
witharrows	“Aligned” math environments with arrows for comments	Pantigny	379
withesis	University of Wisconsin-Madison Thesis L <sup>A</sup> T <sub>E</sub> X Class	Benedict	147
wmaainf	BibTeX style for Abteilung für Angewandte Informatik	Müller	350
wmf2eps	Windows metafile conversion	Schulter	431
wncyr	University of Washington cyrillic fonts	The AMS	480
wnri-latex	L <sup>A</sup> T <sub>E</sub> X support for wnri fonts	Pandey	379

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
wnri	Ridgeway's fonts	Ridgeway, Pandey	403
wntamil	Tamil to $\TeX$ converter	Unknown	503
woctag	Generate the German weekday name for a date	Schrell	429
Woff2OT	Woff to OpenType converter	Frane Jr	272
word2latex	A translator from MS Word to $\LaTeX$ documents	de Boer	153
word2tex	Convert $\TeX$ /MSWord to $\LaTeX$	Chikrii	178
word2x	Word 6 format converter	Simpson	443
wordcount	Estimate the number of words in a $\LaTeX$ document	Downes	194
wordlike	Simulating word processor layout	Fenn	208
WordML2LaTeX	XSLT to transform a WordML file to a $\LaTeX$ 2e source	Dambra	187
wordweb	Literate programming using Microsoft Word	Wittenberg, Mc Kearney	533
worksheet	Easy creation of worksheets	Zöllner	548
worldflags	Drawing flags with TikZ	Haager	239
wotree	Draw Warnier/Orr diagrams	Gurari	239
WP2LaTeX	Convert WordPerfect documents to $\LaTeX$	Fojtik	215
wrapfig	Produces figures which text can flow around	Arseneau	134
wrapfig2	Wrap text around figures	Beccari	144
wrapstuff	Wrapping text around stuff	Lee	308
wright	Define commands with optional arguments	Unknown	503
WriteOnGrid	Write on grid lines	Pierquet	386
wrtfile	Write $\TeX$ files from a $\TeX$ document	Smith	445
wsemclassic	$\LaTeX$ class for Bavarian school w-seminar papers	Rosenberger	413
wsuipa	International Phonetic Alphabet fonts	Guenther	237
wsuipa2tipa	Translate wsuipa font commands into tipa font commands	Kleiweg	286
WTRef	Extend $\LaTeX$ 's cross-reference system	Asakura	135
<b>XXXXX</b>			
xargs	Define commands with many optional arguments	Pégourié-Gonnard	383
xarticle	A $\LaTeX$ 2.09 document style with 7pt, 8pt and 9pt options	Unknown	503
xassocnt	Associated counters stepping simultaneously	Hupfer	261
xbibfile	Create and search BibTeX databases	Maloney	330
xbibtex	An X-Windows utility for adding to a BibTeX database	Kelly, Bischof	276
xbmks	Create a cross-document bookmark tree	Story	459
xcharter-math	XCharter-based OpenType Math font for LuaTeX and XeTeX	Flipo	213
XCharter	Extension of Bitstream Charter fonts	Sharpe	439
xcite	Use citation keys from a different document	Gregorio	235
xcjk2uni	Convert CJK characters to Unicode, in pdfTeX	Lee	308
xcmr	A crossed-out version of Computer Modern	Unknown	503
xcntperchap	Track the number of subsections etc. that occur in a specified track-level	Hupfer	261
xcoffins	Rich boxed material for $\LaTeX$ 3	$\LaTeX$ Team	484
xcolor-material	Defines the 256 colors from Google Material Color Palette	Órdenes	374
xcolor-solarized	Defines the 16 colors from Ethan Schoonover's Solarized palette	Cretel	184
xcolor	Driver-independent color extensions for $\LaTeX$ and pdfLaTeX	Kern, $\LaTeX$ Team	277
xcomment	Allows selected environments to be included/excluded	Van Zandt, Voß	544
xcookybooky	Typeset (potentially long) recipes	Harder	243
xcpdftips	Natbib citations with PDF tooltips	Kocic	291
xdoc	Extending the $\LaTeX$ doc system	Hellström	249
xduthesis	Xe $\LaTeX$ template for writing Xidian University Thesis	Qi	393
xduts	Xidian University $\TeX$ Suite	Unknown	503
xdvi	A DVI previewer for the X Window System	Vojta	514
xebaposter	Create beautiful scientific Persian/Latin posters using TikZ	Razavian	399
xexchangebar	An extension of package changebar that can be used with X $\LaTeX$	Syropoulos	464
xecjk	Support for CJK documents in X $\LaTeX$	Lee, Liu, Sun, Jiang	309
xecolor	Support for color in X $\LaTeX$	Khalighi, bidi-tex GitHub Organisation	279



<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
xecolour	Support for colour in Xe <sub>La</sub> TeX	Khalighi, bidi-tex GitHub Organisation	279
xecyr	Using Cyrillic languages in XeTeX	Shipunov	440
xecyrmongolian	Basic support for the typesetting of Cyrillic Mongolian documents using (Xe Lua)LaTeX	Syropoulos	464
xeindex	Automatic index generation for Xe <sub>La</sub> TeX	Isambert, Robbers	263
xellipsis	Extremely configurable ellipses with formats for various style manuals	Goodman	229
xepersian-hm	Fixes kashida feature in xepersian package	Movahhedian	349
XePersian	Persian for L <sup>A</sup> TeX, using XeTeX	Khalighi, bidi-tex GitHub Organisation	279
xesearch	A string finder for XeTeX	Isambert, Robbers	263
xesoul	Use the soul package with Xe <sub>La</sub> TeX	Syropoulos	464
xespotcolor	Spot colours support for Xe <sub>La</sub> TeX	Syropoulos, Elstner	464
XeT-TeX	A bi-directional version of TeX	MacKay	328
xetal	Strip TeX constructs from a file	Cerf	173
xetex-def	Colour and graphics support for XeTeX	Moore, Kew, L <sup>A</sup> TeX Team	347
xetex-devanagari	XeTeX input map for Unicode Devanagari	Stender	454
xetex-greek	Hyphenation for different variants of Greek, under XeTeX	Syropoulos	464
xetex-itrans	Itrans input maps for use with Xe <sub>La</sub> TeX	Abhinandan, Rao	126
xetex-pstricks	Running PSTricks under XeTeX	Shigeru	440
xetex-tibetan	XeTeX input maps for Unicode Tibetan	Stender	454
xetex	An extended variant of TeX for use with Unicode sources	Kew, Rosendahl, Hosny, TeXLive	277
xetexfontinfo	Report font features in XeTeX	Kew	277
xetexko	Typeset Korean with Xe(La)TeX	Kim	281
XeTeXref	Reference documentation of XeTeX	Robertson	405
xevlna	Insert non-breakable spaces using XeTeX	Wagner	522
xfakebold	Fake a regular font for bold characters	Voß	519
xfig	XWindows vector drawing program	Smith	445
xfor	A reimplementation of the L <sup>A</sup> TeX for-loop macro	Talbot	470
xfp	Interface to the L <sup>A</sup> TeX3 floating point unit	L <sup>A</sup> TeX Team	484
xfrac	Split-level fractions in L <sup>A</sup> TeX2ε	Høgholm, Madsen, Robertson, Wright	257
xgalley	Control text feeding onto the page	L <sup>A</sup> TeX Team	484
xgreek	Greek Language Support for Xe <sub>La</sub> TeX and LuaLaTeX	Syropoulos	464
xhfill	Extending \hrulefill	Voß	519
xifthen	Extended conditional commands	Noirel	362
xii-lat	Christmas silliness (Latin)	Carlisle	170
xii	Christmas silliness (English)	Carlisle	170
xindex	Unicode compatible index generation	Voß	519
xindy-persian	Support for the Persian language in xindy	Khalighi, bidi-tex GitHub Organisation	279
xindy	A general-purpose index processor	Kehr, Schrod	275
xint	Expandable operations on long numbers	Burnol	165
xintsession	Interactive computing sessions (fractions, floating points, polynomials)	Burnol	165
xistercian	Cistercian numerals in L <sup>A</sup> TeX	Spratte	451
xits	A Scientific Times-like font with support for mathematical typesetting	Hosny	259
xkcdcolors	xkcd names of colors	Giannetti	224
xkeyval	Extension of the keyval package	Adriaens	127
xkvltxp	Provision for expandable macros in package options	Adriaens	127
xkvview	Xkeyval viewer	Adriaens	127
xl2latex	Convert Excel (97 and above) tables to L <sup>A</sup> TeX tabulars	Buchmann	161
xlatex	A TeX/L <sup>A</sup> TeX shell for X-windows	Dragone	194
xlop	Calculates and displays arithmetic operations	Charpentier	174

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
xltabular	Longtable support with possible X-column specifier	Voß, Niepraschk	520
xltxtra	“Extras” for L <sup>A</sup> T <sub>E</sub> X users of XeTeX	Robertson	405
xml2pmx	Convert MusicXML to PMX and MusiXTeX	Spivey, Glötzel, Tennent	450
xmlplay	Typeset Shakespeare’s plays as marked up by Bosak	Kilfiger	280
xmltex	Support for parsing XML documents	Carlisle	170
xmpincl	Include eXtensible Metadata Platform data in pdfLaTeX	Sneep	446
xmthesis	XMU thesis style	Cao	167
xnewcommand	Define \global and \protected commands with \newcommand	Noirel	362
xoptarg	Expandable macros that take an optional argument	Noirel	362
xparse	A generic document command parser	L <sup>A</sup> T <sub>E</sub> X Team	485
xpatch	Extending etoolbox patching commands	Gregorio	235
xpdf	Viewing and manipulating PDF files	Noonburg	362
xpdfopen	Commands to control PDF readers, under X11	Diamond, Hoekwater, Popineau	191
xpeek	Define commands that peek ahead in the input stream	Salomon	419
xpiano	An extension of the piano package	Gregorio	235
xpicture	Extensions of L <sup>A</sup> T <sub>E</sub> X picture drawing	Fuster	220
xpinyin	Automatically add pinyin to Chinese characters	Lee	308
xprintlen	Print T <sub>E</sub> X lengths in a variety of units	Huang	260
xpunctuate	Process trailing punctuation which may be redundant	Ratcliffe	398
xq	Support for writing about xiangqi	Weinhold, Pipping	526
xr-hyper	Inter-document hyper-references	Carlisle, Oberdiek Package Support Group	170
xr	References to other L <sup>A</sup> T <sub>E</sub> X documents	Carlisle, Drucbert, L <sup>A</sup> T <sub>E</sub> X Team	170
xrefwarn	Only one warning for an undefined citation	Verwer	509
xsavexbox	Saveboxes for repeating content without code replication, based on PDF Form XObjects	Grahn	231
xsim	eXercise Sheets IMproved	Niederberger	360
xskak	An extension to the skak package for chess typesetting	Fischer	213
xspace	Define commands that appear not to eat spaces	Carlisle, Høgholm, L <sup>A</sup> T <sub>E</sub> X Team	170
xstring	String manipulation for (La)TeX	Tellechea	473
xtab	Break tables across pages	Robertson, Wilson	408
xtcpts	Defining language-dependent text macros	Fricke	218
xtem	An X11 T <sub>E</sub> X menu built on Tcl/Tk	Lamprecht, Lotz, Weibezahn	305
xtemplate	A high-level interface for declaring document commands	L <sup>A</sup> T <sub>E</sub> X Team	485
xtexcad	Simple drawing program for L <sup>A</sup> T <sub>E</sub> X use	Sixt, Zitzmann	444
XteXShell	A shell/editor	Hofmann	255
xtrcode	Extract contents of L <sup>A</sup> T <sub>E</sub> X environments	Ruedas	418
xtuthesis	XTU thesis template	Dongdong	193
xunicode	Generate Unicode characters from accented glyphs	Moore	347
xurl	Allow URL breaks at any alphanumerical character	Voß	519
xwatermark	Graphics and text watermarks on selected pages	Musa	354
xwpick	Pick an image from an X display	Chernyaev	176
xyling	Draw syntactic trees, etc., for linguistics literature, using xy-pic	Vogel	514
xymatrix	Commutative diagrams using XY-pic	Rose, Moore	412
xymtex	Typesetting chemical structures	Fujita	219
xypic-tut-pt	A tutorial for XY-pic, in Portuguese	Campani	167
xypic	Flexible diagramming macros	Rose, Moore	412
xytree	Tree macros using XY-Pic	Un	495
<b>YYYYY</b>			
yacco2	Multi-threaded LR(1) compiler/compiler that emits literate grammar documents	Bone	153

<i>Package</i>	<i>Caption</i>	<i>Author</i>	<i>Page</i>
yafoot	A bundle of miscellaneous footnote packages	Nakashima	355
yagusylo	A symbol loader	Henel	251
yaletter	Extremely flexible macros for letters, envelopes, and label sheets	Goodman	229
YAMLvars	A YAML parser and tool for easy L <sup>A</sup> T <sub>E</sub> X definition creation	Ewasiuk	205
yandy	TUG release of Y and Y's T <sub>E</sub> X distribution	Ma, Horn	328
yannisgr	Greek fonts by Yannis Haralambous	Haralambous, Thull	243
yathesis	A L <sup>A</sup> T <sub>E</sub> X class for writing a thesis following French rules	Bitouzé	151
yax	Yet Another Key System	Isambert, Robbers	263
yazd-thesis	A template for the Yazd University	Damanafshan	187
yb-book	Template for YB Branded Books	Bugayenko	163
ycbook	A versatile book class	Cherem	175
ydoc	Macros for documentation of L <sup>A</sup> T <sub>E</sub> X classes and packages	Scharrer	423
Yet-Another-Gui...	A short guide to using L <sup>A</sup> T <sub>E</sub> X2e to typeset high quality documents	Morris	348
yfonts-otf	OpenType version of the Old German fonts designed by Yannis Haralambous	Flipo	213
yfonts-t1	Old German-style fonts, in Adobe type 1 format	Bronger, Haralambous	160
yfonts	Support for old German fonts	Schmidt, Preining	427
yfrak	Old German Fraktur font	Haralambous	242
ygoth	Old German Gothic font	Haralambous	242
ymath	Extended maths fonts for L <sup>A</sup> T <sub>E</sub> X	Haralambous, Preining	243
yi4latex	Yi (Southern Chinese) support	Corff	183
yinit-as	Additions to Yannis Haralambous' Old German decorative initials	Schrell	429
yinit-otf	OTF conversion of Yannis Haralambous' Old German decorative initials	Haralambous	243
yinit	Old German decorative initials	Haralambous	243
york-thesis	A thesis class file for York University, Toronto	Gall	220
young	Young tableaux	Knappen, Wormer	288
youngtab	Typeset Young-Tableaux	Börchers	154
yplan	Daily planner type calendar	Nickalls, Harders	358
yquant	Typesetting quantum circuits in a human-readable language	Desef	190
yswab	Old German Schwabacher font	Haralambous	243
yt4pdf	Play YouTube videos in a PDF	Story	459
ytableau	Many-featured Young tableaux and Young diagrams	Reich	400
ytex	Macro package developed at MIT	Brotsky	160
<b>ZZZZZ</b>			
zaccone	Different configuration for different captions	Unknown	503
zahl2string	Format numbers as German words	Sauer	421
zblbuild	Help with the choice of a BibL <sup>A</sup> T <sub>E</sub> X style and options	Milanese	342
zbmath-review-t...	Template for a zbMATH Open review	Beckenbach	144
zebra-goodies	A collection of handy macros for paper writing	Xue	538
zed-csp	Typesetting Z and CSP format specifications	Davies, Spivey	188
zed	Typeset Z specifications	Spivey	450
zefonts	Virtual fonts to provide T1 encoding from existing fonts	Fuster, Kahn	220
zennote	Streamline your note-taking process!	Liang	313
zero	Start list (etc.) numbering at zero	Verhoeff	508
zhlineskip	Line spacing for CJK documents	Zhang	545
zhlipsum	Chinese dummy text	Zeng	545
zhmakeindex	Makeindex replacement for Chinese users	Liu	315
zhmCJK	Simplify configuration of CJK installations for Chinese	Liu	315
zhmetrics-uptex	Chinese font metrics for upT <sub>E</sub> X	Liu	315
zhmetrics	TFM subfont files for using Chinese fonts in 8-bit T <sub>E</sub> X	Wang, Wu	524
zhnumber	Typeset Chinese representations of numbers	Lee	308
zhspacing	Spacing for mixed CJK-English documents in XeT <sub>E</sub> X	Dian, Lee	191
ziffer	Conversion of punctuation in maths mode	Väth	507
zigaretten	Propaganda and mind-numbing for cigarette addicts	Lachaume	303

Package	Caption	Author	Page
zip	Barcodes for USA ZIP code	Smith	446
zitie	Create CJK character calligraphy practicing sheets	Unknown	503
zlmmt	Use Latin Modern Typewriter fonts	Sharpe	439
zootaxa-bst	A BibTeX style for the journal Zootaxa	Ballen	138
zref-check	Flexible cross-references with contextual checks based on zref	Barros	139
zref-clever	Clever L <sup>A</sup> T <sub>E</sub> X cross-references based on zref	Barros	139
zref-vario	Extended L <sup>A</sup> T <sub>E</sub> X page cross-references with varioref and zref-clever	Barros	139
zref	A new reference scheme for L <sup>A</sup> T <sub>E</sub> X	Oberdiek	370
zwgetfdate	Get package or file date	Wagner	522
zwpagelayout	Page layout and crop-marks	Wagner	522
zx-calculus	A library to typeset ZX Calculus diagrams	Colisson	181
zxjafbfont	Fallback CJK font support for xeCJK	Yato	541
ZXjafont	Set up Japanese font families for X <sub>Y</sub> L <sup>A</sup> T <sub>E</sub> X	Yato	541
ZXjatype	Standard conforming typesetting of Japanese, for X <sub>Y</sub> L <sup>A</sup> T <sub>E</sub> X	Yato	541
ZzTeX	A full-featured T <sub>E</sub> X macro package for producing books, journals, and manuals	Anagnostopoulos	130

## References

- Aavatsmark, Ivar. *The eurotex package. Multilingual macros for Plain T<sub>E</sub>X*. 2016-06-24. Version 1.1. LICENSE: noinfo. A package for using the (now obsolete) DC fonts to provide a version of Plain T<sub>E</sub>X that accepts ISO Latin 1 input, and provides hyphenation in Danish, English, Finnish, French, German, Icelandic, Italian, Norwegian, Polish and Swedish (it could be extended, but it would also need adapting for the fonts, or similar, now).  
URL: <https://ctan.org/pkg/eurotex>  
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 URL: <https://ctan.org/pkg/arraymaker>  
 MIRROR: <https://mirror.ctan.org/support/arraymaker>
- Arata, Mizuki. *The cluttex package. An automation tool for running L<sup>A</sup>T<sub>E</sub>X*. 2021-11-05. Version 0.5.1. LICENSE: gpl3+  
 URL: <https://ctan.org/pkg/cluttex>  
 MIRROR: <https://mirror.ctan.org/support/cluttex>
- Araujo, Lauro César. *The abntex2 package. Typeset technical and scientific Brazilian documents based on ABNT rules*. 2018-11-25. Version 1.9.7. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/abntex2>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/abntex2>
- Arcis, Diego. *The strands package. Draw objects constructed from strands*. 2021-07-12. Version 1.1. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/strands>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/strands>
- Arellano, Gonzalo Medina. *The background package. Placement of background material on pages of a document*. 2018-01-06. Version 2.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/background>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/background>
- *The fancypar package. Decoration of individual paragraphs*. 2021-04-17. Version 1.3. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/fancypar>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fancypar>
- Argañaraz, Gustavo Sebastián Bustamante. *The MakeCirc package. A MetaPost library for drawing electrical circuit diagrams*. 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/makecirc>  
 MIRROR: <https://mirror.ctan.org/graphics/metapost/contrib/macros/makecirc>



- Árnason, Einar, Johannes L. Braams, and Javier Bezos López. *The babel-icelandic package. Babel support for Icelandic*. 2019-07-04. Version 1.3. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/babel-icelandic>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/icelandic>
- Arnold, Jeffrey B. *The lstbayes package. Listings language driver for Bayesian modeling languages*. 2018-07-07. LICENSE: lppl1.3. The package provides language drivers for the package for several languages not included in that package: BUGS, JAGS, and Stan.  
 URL: <https://ctan.org/pkg/lstbayes>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/lstbayes>
- Arnold, Tim. *The longfigure package. Provides a figure-like environment that break over pages*. 2016-06-24. Version 1.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/longfigure>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/longfigure>
- *The statrep package. Displays SAS code and results of running the code*. 2017-04-18. Version 1.07. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/statrep>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/statrep>
- Arriba, Jose Luis Diaz de and Javier Bezos López. *The gloss package. Create glossaries using BibTeX*. 2016-06-24. Version 1.5.2. LICENSE: lppl. A glossary package using BibTeX with replaced by .  
 URL: <https://ctan.org/pkg/gloss>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gloss>
- Arrouye, Yves. *The mkpkfontdir package. Manipulate TDS directories for PK fonts*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/mkpkfontdir>  
 MIRROR: <https://mirror.ctan.org/fonts/utilities/mkpkfontdir>
- Arseneau, Donald. *The braket package. Dirac bra-ket and set notations*. 2016-06-24. LICENSE: pd  
 URL: <https://ctan.org/pkg/braket>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/braket>
- *The cancel package. Place lines through maths formulae*. 2016-06-24. Version 2.2. LICENSE: pd  
 URL: <https://ctan.org/pkg/cancel>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cancel>
- *The cases package. Numbered cases environment*. 2020-04-03. Version 3.2. LICENSE: other-free  
 URL: <https://ctan.org/pkg/cases>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cases>
- *The chapterbib package. Multiple bibliographies in a document*. 2016-06-24. Version 1.17. LICENSE: other-free  
 URL: <https://ctan.org/pkg/chapterbib>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cite>
- *The cite package. Improved citation handling in L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. Version 5.5. LICENSE: other-free  
 URL: <https://ctan.org/pkg/cite>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cite>
- *The cite-bundle package. Citation management bundle*. 2016-06-24. LICENSE: other-free. A collection of packages related to managing citations:  
 URL: <https://ctan.org/pkg/cite-bundle>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cite>
- *The dotseqn package. Flush left equations with dotted leaders to the numbers*. 2016-06-24. Version 1.1. LICENSE: other-free  
 URL: <https://ctan.org/pkg/dotseqn>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/dotseqn>
- *The drftcite package. Print the bibliography in "draft" mode*. 2018-01-06. Version 3.91. LICENSE: other-free  
 URL: <https://ctan.org/pkg/drftcite>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cite/drftcite.sty>
- *The framed package. Framed or shaded regions that can break across pages*. 2016-06-24. Version 0.96. LICENSE: other-free  
 URL: <https://ctan.org/pkg/framed>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/framed>
- *The fw1w package. Get first and last words of a page*. 2016-06-24. LICENSE: other-free  
 URL: <https://ctan.org/pkg/fw1w>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fw1w>
- *The import package. Establish input relative to a directory*. 2020-04-03. Version 6.2. LICENSE: pd  
 URL: <https://ctan.org/pkg/import>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/import>



- Arseneau, Donald. *The longdiv package. Long division arithmetic problems*. 2020-04-11. Version 1. LICENSE: pd. Work out and print integer long division problems. Use: . The numerator and denominator (divisor and dividend) must be integers, and the quotient is an integer too. leaves the remainder from the division at the bottom of its diagram of the problem.  
URL: <https://ctan.org/pkg/longdiv>  
MIRROR: <https://mirror.ctan.org/macros/generic/misc/longdiv.tex>
- *The magaz package. Magazine layout*. 2016-06-24. Version 0.4. LICENSE: other-free  
URL: <https://ctan.org/pkg/magaz>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/magaz>
  - *The nolbreaks package. No line breaks in text*. 2016-06-24. Version 1.2. LICENSE: pd. Use to prevent line breaks in “some text”. This has the advantage over that glue (rubber space) remains flexible. Most common cases are handled here ( is disabled, for example) but spaces hidden in macros or can still create break-points.  
URL: <https://ctan.org/pkg/nolbreaks>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/nolbreaks>
  - *The notoccite package. Prevent trouble from citations in table of contents, etc*. 2016-06-24. LICENSE: pd. If you have commands in -like commands, or in , the citation will also appear in the table of contents, or list of whatever. If you are also using an unsrt-like bibliography style, these citations will come at the very start of the bibliography, which is confusing. This package suppresses the effect.  
URL: <https://ctan.org/pkg/notoccite>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/notoccite>
  - *The nth package. Generate English ordinal numbers*. 2020-04-11. LICENSE: pd. The command generates English ordinal numbers of the form 1st, 2nd, 3rd, 4th, etc. L<sup>A</sup>T<sub>E</sub>X package options may specify that the ordinal mark be superscripted, and that negative numbers may be treated; Plain T<sub>E</sub>X users have no access to package options, so need to redefine macros for these changes.  
URL: <https://ctan.org/pkg/nth>  
MIRROR: <https://mirror.ctan.org/macros/generic/misc/nth.sty>
  - *The optional package. Facilitate optional printing of parts of a document*. 2016-06-24. Version 2.2b. LICENSE: l<sup>a</sup>tp<sub>s</sub>  
URL: <https://ctan.org/pkg/optional>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/optional>
  - *The oubraces package. Braces over and under a formula*. 2016-06-24. LICENSE: other-free. Provides a means to interleave and in the same formula.  
URL: <https://ctan.org/pkg/oubraces>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oubraces>
  - *The overcite package. Compressed lists of superscript numerical citations*. 2016-06-24. Version 4.01. LICENSE: other-free. The package is actually a wrapper for one of the functions of the packages; it is distributed as part of the bundle of packages.  
URL: <https://ctan.org/pkg/overcite>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cite>
  - *The placeins package. Control float placement*. 2016-06-24. Version 2.2. LICENSE: pd. Defines a command, beyond which floats may not pass; useful, for example, to ensure all floats for a section appear before the next command.  
URL: <https://ctan.org/pkg/placeins>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/placeins>
  - *The placeins-plain package. Insertions that keep their place*. 2016-06-24. Version 2.0. LICENSE: pd. This T<sub>E</sub>X file provides various mechanisms (for plain T<sub>E</sub>X and close relatives) to let insertions (footnotes, topins, pageins, etc.) float within their appropriate section, but to prevent them from intruding into the following section, even when sections do not normally begin a new page. (If your sections normally begin a new page, just use to flush out insertions.)  
URL: <https://ctan.org/pkg/placeins-plain>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/placeins.tex>
  - *The random package. Generating “random” numbers in T<sub>E</sub>X*. 2020-04-15. Version 0.2. LICENSE: pd  
URL: <https://ctan.org/pkg/random>  
MIRROR: <https://mirror.ctan.org/macros/generic/random>
  - *The removefr package. Remove from counter-reset lists*. 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/removefr>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fragments/removefr.tex>
  - *The sansmath package. Maths in a sans font*. 2016-06-24. Version 1.1. LICENSE: pd. The package defines a new math version , and a command that behaves somewhat like  
URL: <https://ctan.org/pkg/sansmath>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/sansmath>

- Arseneau, Donald. *The selectp package. Select pages to be output*. 2016-06-24. Version 1.0. LICENSE: pd  
 URL: <https://ctan.org/pkg/selectp>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/selectp>
- *The shapepar package. A macro to typeset paragraphs in specific shapes*. 2018-01-06. Version 2.2. LICENSE: other-free  
 URL: <https://ctan.org/pkg/shapepar>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/shapepar>
  - *The tabs package. Better vertical spacing in tables and arrays*. 2016-06-24. Version 3.5. LICENSE: other-free  
 URL: <https://ctan.org/pkg/tabs>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tabs>
  - *The tabto-generic package. "Tab" to a measured position in the line*. 2016-06-24. LICENSE: pd. moves the typesetting position to from the left margin of the paragraph. If the typesetting position is already further along, starts a new line.  
 URL: <https://ctan.org/pkg/tabto-generic>  
 MIRROR: <https://mirror.ctan.org/macros/generic/misc/tabto.tex>
  - *The tabto-ltx package. "Tab" to a measured position in the line*. 2019-03-05. Version 1.4. LICENSE: lpl1.3  
 URL: <https://ctan.org/pkg/tabto-ltx>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tabto>
  - *The threeparttable package. Tables with captions and notes all the same width*. 2016-06-24. LICENSE: other-free. Provides a scheme for tables that have a structured note section, after the caption. This scheme provides an answer to the old problem of putting footnotes in tables — by making footnotes entirely unnecessary. Note that a is not a float of itself; but you can place it in a or a environment, if necessary.  
 URL: <https://ctan.org/pkg/threeparttable>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/threeparttable>
  - *The titleref package. A "titleref" command to cross-reference section titles*. 2016-06-24. Version 3.1. LICENSE: pd. Defines a command that allows you to cross-reference section (and chapter, etc) titles and captions just like and . The package does not interwork with ; if you need hypertext capabilities, use instead.  
 URL: <https://ctan.org/pkg/titleref>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/titleref>
  - *The truncate package. Truncate text to a specified width*. 2016-06-24. Version 3.6. LICENSE: pd  
 URL: <https://ctan.org/pkg/truncate>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/truncate>
  - *The ulem package. Package for underlining*. 2020-01-10. LICENSE: other-free  
 URL: <https://ctan.org/pkg/ulem>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ulem>
  - *The underscore package. Control the behaviour of "\_" in text*. 2018-01-06. LICENSE: lpl1  
 URL: <https://ctan.org/pkg/underscore>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/underscore>
  - *The url package. Verbatim with URL-sensitive line breaks*. 2016-06-24. Version 3.4. LICENSE: lpl1. The command is a form of verbatim command that allows linebreaks at certain characters or combinations of characters, accepts reconfiguration, and can usually be used in the argument to another command. (The command provides robust commands that serve in cases when doesn't work in an argument.) The command is intended for email addresses, hypertext links, directories/paths, etc., which normally have no spaces, so by default the package ignores spaces in its argument. However, a package option "allows spaces", which is useful for operating systems where spaces are a common part of file names.  
 URL: <https://ctan.org/pkg/url>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/url>
  - *The varindent package. Make paragraph indentation match the length of the line above*. 2016-06-24. LICENSE: noinfo. The package will cause paragraphs to indent to the same position as the end of the last line of the previous paragraph, unless the resulting position would take you to within of the end of the line.  
 URL: <https://ctan.org/pkg/varindent>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/varindent.tex>
  - *The varwidth package. A variable-width minipage*. 2018-01-06. Version 0.92. LICENSE: lpl1  
 URL: <https://ctan.org/pkg/varwidth>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/varwidth>
  - *The wrapfig package. Produces figures which text can flow around*. 2021-12-30. Version 3.6. LICENSE: lpl1  
 URL: <https://ctan.org/pkg/wrapfig>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/wrapfig>

- Arseneau, Donald and Johannes L. Braams. *The subeqn package. Package for subequation numbering*. 2016-06-24. Version 2.0b. LICENSE: lppl  
 URL: <https://ctan.org/pkg/subeqn>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/subeqn>
- Artime, Carlos Enrique Carleos, Luis Rivera, and Daniel Vela. *The lshort-spanish package. Short introduction to L<sup>A</sup>T<sub>E</sub>X, Spanish translation*. 2016-06-24. Version 0.5. LICENSE: other-free. A Spanish translation of the , version 20.  
 URL: <https://ctan.org/pkg/lshort-spanish>  
 MIRROR: <https://mirror.ctan.org/info/lshort/spanish>
- Asakura, Takuto. *The BXghost package. Ghost insertion for proper xkanjiskip*. 2023-02-25. Version 0.5.1. LICENSE: mit  
 URL: <https://ctan.org/pkg/bxghost>  
 MIRROR: <https://mirror.ctan.org/language/japanese/BX/bxghost>
- *The BXjaholiday package. Support for Japanese holidays*. 2021-09-28. Version 1.1.1. LICENSE: mit  
 URL: <https://ctan.org/pkg/bxjaholiday>  
 MIRROR: <https://mirror.ctan.org/language/japanese/BX/bxjaholiday>
- *The gotoh package. An implementation of the Gotoh sequence alignment algorithm*. 2017-07-07. Version 1.1. LICENSE: mit  
 URL: <https://ctan.org/pkg/gotoh>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gotoh>
- *The Light L<sup>A</sup>T<sub>E</sub>X Make package. lmk: A build tool for L<sup>A</sup>T<sub>E</sub>X documents*. 2023-03-08. Version 1.2.0. LICENSE: mit  
 URL: <https://ctan.org/pkg/light-latex-make>  
 MIRROR: <https://mirror.ctan.org/support/light-latex-make>
- *The platexcheat package. A L<sup>A</sup>T<sub>E</sub>X cheat sheet, in Japanese*. 2019-01-04. Version 3.1. LICENSE: mit  
 URL: <https://ctan.org/pkg/platexcheat>  
 MIRROR: <https://mirror.ctan.org/info/latexcheat/platexcheat>
- *The WTRef package. Extend L<sup>A</sup>T<sub>E</sub>X's cross-reference system*. 2020-06-15. Version 0.4.0. LICENSE: mit. Prerequisite packages: and .  
 URL: <https://ctan.org/pkg/wtref>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/wtref>
- Asakura, Takuto, Thomas Esser, Manuel Pégourié-Gonnard, and The T<sub>E</sub>X Live Team. *The texdoc package. Documentation access for T<sub>E</sub>X Live*. 2023-02-27. Version 4.0.1. LICENSE: gpl. is a Lua script providing easy access to the documentation in T<sub>E</sub>X Live: PDF, DVI, plain text files, and more. Viewing and other configuration can be extensively customized. It is distributed with ; provides a program by the same name to do the same job, but its implementation is unrelated.  
 URL: <https://ctan.org/pkg/texdoc>  
 MIRROR: <https://mirror.ctan.org/support/texdoc>
- Ashton, James. *The indxcite package. Generate author index based on citations*. 2016-06-24. Version 1.1. LICENSE: other-nonfree. A package to automatically generate an Author Index based on citations made using BibT<sub>E</sub>X. It requires the use of the and packages and L<sup>A</sup>T<sub>E</sub>X2<sub>ε</sub>.  
 URL: <https://ctan.org/pkg/indxcite>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/indxcite>
- *The saferef package. Safer references through strong typing of references*. 2016-06-24. Version 1.0. LICENSE: other-free  
 URL: <https://ctan.org/pkg/saferef>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/saferef>
- Association GUTenberg. *The letgut package. Class for the newsletter “La Lettre GUTenberg” of the French T<sub>E</sub>X User Group GUTenberg*. 2023-01-14. Version 0.9.6. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/letgut>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/latex/letgut>
- Atkinson, Kevin. *The aspell package. Spell checker*. 2019-10-31. Version 0.60.8. LICENSE: gpl2  
 URL: <https://ctan.org/pkg/aspell>  
 MIRROR: <https://mirror.ctan.org/support/aspell>
- *The ispell package. Multi-platform spell checker*. 2020-09-09. Version 3.3.02. LICENSE: other-free  
 URL: <https://ctan.org/pkg/ispell>  
 MIRROR: <https://mirror.ctan.org/support/ispell>
- Atkinson, Matthew Tylee and Iain Phillips. *The gcite package. Citations in a reader-friendly style*. 2016-06-24. Version 1.0.1. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/gcite>  
 MIRROR: <https://mirror.ctan.org/macros/latex/exptl/gcite>

- Atria, Matias. *The mdvi package. A DVI previewer.* 2017-04-18. LICENSE: gpl  
 URL: <https://ctan.org/pkg/mdvi>  
 MIRROR: <https://mirror.ctan.org/dviware/mdvi>
- Aubord, Alain. *The codepage package. Support for variant code pages.* 2016-06-24. LICENSE: other-free. The package provides a mechanism for inputting non-ASCII text. Nowadays, the job is mostly done by the package in the L<sup>A</sup>T<sub>E</sub>X distribution.  
 URL: <https://ctan.org/pkg/codepage>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/codepage>
- *The MathTrip package. A trip to the wonderful world of mathematics.* 2022-10-02. Version 2.8. LICENSE: nocommercial,lppl,bsd  
 URL: <https://ctan.org/pkg/mathtrip>  
 MIRROR: <https://mirror.ctan.org/info/mathtrip>
- Aurbach, R L, Fred Hantelmann, and Stefano Ianigro. *The glotex package. A glossary processor.* 2016-06-24. Version 2.1. LICENSE: nosell  
 URL: <https://ctan.org/pkg/glotex>  
 MIRROR: <https://mirror.ctan.org/indexing/glo+idx+tex>
- *The idx+tex package. An index processor.* 2016-06-24. Version 3.1. LICENSE: nosell  
 URL: <https://ctan.org/pkg/idx+tex>  
 MIRROR: <https://mirror.ctan.org/indexing/glo+idx+tex>
- Avdeev, Nikolai. *The biblatex-ajc2020unofficial package. BibL<sup>A</sup>T<sub>E</sub>X style for the Australasian Journal of Combinatorics.* 2020-04-11. Version 0.2.0. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/biblatex-ajc2020unofficial>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-ajc2020unofficial>
- *The biblatex2bibitem package. Convert BibL<sup>A</sup>T<sub>E</sub>X-generated bibliography to bibitems.* 2022-01-18. Version 0.2.2. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/biblatex2bibitem>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex2bibitem>
- *The shortmathj package. Automatically shortify titles of mathematical journals.* 2020-04-11. Version 0.5.0. LICENSE: lppl1.3c. This small dummy package just contains a simple list of full and short journal names as written in AMS standard:  
 URL: <https://ctan.org/pkg/shortmathj>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/shortmathj>
- Aycock, Ryan. *The scientificpaper package. Format a scientific paper for journal publication.* 2016-06-18. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/scientificpaper>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/scientificpaper>
- Aycock, Ryan and Steven Wheelwright. *The mla-paper package. Proper MLA formatting.* 2019-05-04. LICENSE: lppl. The package formats articles using the style (“MLA” = “Modern Language Association”). The aim is that students and other academics in the humanities should be able to typeset their materials, properly, with minimal effort on their part.  
 URL: <https://ctan.org/pkg/mla-paper>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mla-paper>
- Babushkin, Andrey. *The guitartabs package. A class for drawing guitar tablatures easily.* 2018-06-30. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/guitartabs>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/guitartabs>
- Bachmaier, Gerhard A. *The ebezier package. Device independent picture environment enhancement.* 2016-06-24. Version 4. LICENSE: lppl  
 URL: <https://ctan.org/pkg/ebezier>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ebezier>
- *The oesch package. Font to provide the Österreichische Schulschrift.* 2017-05-30. LICENSE: other-nonfree  
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URL: <https://ctan.org/pkg/nwejm>

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URL: <https://ctan.org/pkg/hepunits>  
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 URL: <https://ctan.org/pkg/iexec>  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/kdpcover>
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 URL: <https://ctan.org/pkg/pxgreeks>  
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 URL: <https://ctan.org/pkg/tableof>  
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MIRROR: <https://mirror.ctan.org/macros/generic/texdimens>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/edmargin>
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URL: <https://ctan.org/pkg/endheads>  
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 URL: <https://ctan.org/pkg/css-colors>  
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- *The rotpages package. Typeset sets of pages upside-down and backwards*. 2016-06-24. Version 3.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/rotpages>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/rotpages>
- Callil-Soares, Pedro. *The tikzviolinplots package. Draws violin plots from data*. 2023-03-23. Version 0.7.2. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/tikzviolinplots>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikzviolinplots>
- Calvani, Massimo. *The prepr package. Preprint macros*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/prepr>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/prepr>
- Camara Neto, Vilar da. *The breakurl package. Line-breakable \url-like links in hyperref when compiling via dvips/ps2pdf*. 2016-06-24. Version 1.40. LICENSE: lppl. This package provides a command much like hyperref’s that typesets a URL using a typewriter-like font. However, if the dvips driver is being used, the original doesn’t allow line breaks in the middle of the created link: the link comes in one atomic piece. This package allows such line breaks in the generated links.  
 URL: <https://ctan.org/pkg/breakurl>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/breakurl>
- Campani, Carlos. *The beamer-tut-pt package. An introduction to the Beamer class, in Portuguese*. 2016-06-18. LICENSE: gpl  
 URL: <https://ctan.org/pkg/beamer-tut-pt>  
 MIRROR: <https://mirror.ctan.org/info/portuguese/beamer>
- *The cursolatex package. A L<sup>A</sup>T<sub>E</sub>X tutorial*. 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/cursolatex>  
 MIRROR: <https://mirror.ctan.org/info/portuguese/cursolatex>
  - *The xypic-tut-pt package. A tutorial for XY-pic, in Portuguese*. 2016-06-18. LICENSE: gpl  
 URL: <https://ctan.org/pkg/xypic-tut-pt>  
 MIRROR: <https://mirror.ctan.org/info/portuguese/xypic-tutorial>
- Camps, Jean-Baptiste. *The biblatex-enc package. BibL<sup>A</sup>T<sub>E</sub>X style for the École nationale des chartes (Paris)*. 2017-06-19. Version 1.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/biblatex-enc>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-enc>
- Cannayen, Igathinathane. *The ndsu-thesis-2022 package. North Dakota State University disquisition class 2022*. 2022-07-15. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/ndsu-thesis-2022>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ndsu-thesis-2022>
- Cantor, David G. and Dominik Wujastyk. *The drop package. Dropped capitals at the start of a paragraph (L<sup>A</sup>T<sub>E</sub>X 2.09)*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/drop>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/drop.sty>
- Cao, Camuse. *The xmuthesis package. XMU thesis style*. 2020-10-12. Version 0.4.1. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/xmuthesis>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xmuthesis>
- Cappelletti, Luca. *The adigraph package. Augmenting directed graphs*. 2019-01-29. Version 1.7.1. LICENSE: mit  
 URL: <https://ctan.org/pkg/adigraph>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/adigraph>
- *The lectures package. A document class for quickly drafting nice looking lecture notes*. 2020-02-02. Version 1.0.5. LICENSE: mit. This L<sup>A</sup>T<sub>E</sub>X documentclass provides a number of gimmicks to draft nice looking lecture notes, such as a number of theorem environments, automatic spacing and alignment of figures and much more. More information is available in the .  
 URL: <https://ctan.org/pkg/lectures>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/lectures>
- Caprio, Mark. *The iopart-num package. Numeric citation style for IOP journals*. 2016-06-24. Version 2.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/iopart-num>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/iopart-num>
- *The svgcolor package. Define SVG named colours*. 2018-09-15. Version 1.0. LICENSE: lppl. The package defines the W3C Scalable Vector Graphics (SVG) colour names for use with both the and packages.



- URL: <https://ctan.org/pkg/svgcolor>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/svgcolor>
- Carlisle, David. *The blkarray package. Extended array and tabular*. 2018-01-06. Version 0.07. LICENSE: lppl  
URL: <https://ctan.org/pkg/blkarray>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/blkarray>
- *The carlisle package. David Carlisle’s small packages*. 2021-06-13. LICENSE: lppl. Many of David Carlisle’s more substantial packages stand on their own, or as part of the L<sup>A</sup>T<sub>E</sub>X set; this set contains:  
URL: <https://ctan.org/pkg/carlisle>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/carlisle>
  - *The colortbl package. Add colour to L<sup>A</sup>T<sub>E</sub>X tables*. 2022-07-31. Version 1.0f. LICENSE: lppl  
URL: <https://ctan.org/pkg/colortbl>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/colortbl>
  - *The comma package. Formats a number by inserting commas*. 2016-06-24. Version 1.2. LICENSE: lppl  
URL: <https://ctan.org/pkg/comma>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/comma>
  - *The dotlessj package. Generates a dot-less j*. 2022-03-14. Version 0.03. LICENSE: lppl  
URL: <https://ctan.org/pkg/dotlessj>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/carlisle/dotlessj.sty>
  - *The elocalloc package. Local allocation macros for L<sup>A</sup>T<sub>E</sub>X 2015*. 2016-12-15. Version 0.03. LICENSE: lppl. Local allocation macros, with names taken from but with implementation based on the L<sup>A</sup>T<sub>E</sub>X 2015 allocation macros.  
URL: <https://ctan.org/pkg/elocalloc>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/elocalloc>
  - *The fix2col package. Fix miscellaneous two column mode features*. 2016-06-24. Version 0.04. LICENSE: lppl  
URL: <https://ctan.org/pkg/fix2col>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fix2col>
  - *The fragments package. Fragments of L<sup>A</sup>T<sub>E</sub>X code*. 2018-09-13. LICENSE: collection  
URL: <https://ctan.org/pkg/fragments>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fragments>
  - *The graphics-pln package. LaTeX-style graphics for Plain T<sub>E</sub>X users*. 2022-12-02. LICENSE: lppl1  
URL: <https://ctan.org/pkg/graphics-pln>  
MIRROR: <https://mirror.ctan.org/macros/plain/graphics>
  - *The grfguide package. L<sup>A</sup>T<sub>E</sub>X standard graphics and color packages documentation*. 2021-06-01. LICENSE: lppl1.3c. Documentation of the bundle. The guide discusses using graphics in L<sup>A</sup>T<sub>E</sub>X, including documentation on the use of colour (the package).  
URL: <https://ctan.org/pkg/grfguide>  
MIRROR: <https://mirror.ctan.org/macros/latex/required/graphics>
  - *The grfpaste package. Include fragments of a dvi file*. 2016-06-24. Version 0.2. LICENSE: lppl. Provides a mechanism to include fragments of dvi files with the package, so that you can use to include dvi files. The package requires the program.  
URL: <https://ctan.org/pkg/grfpaste>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/grfpaste>
  - *The hline package. Better horizontal lines in tabulars and arrays*. 2021-06-01. Version 2.04. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/hline>  
MIRROR: <https://mirror.ctan.org/macros/latex/required/tools>
  - *The latex-context-ppchtex package. Legacy stub to allow loading pictex as m-pictex*. 2023-03-28. LICENSE: lppl  
URL: <https://ctan.org/pkg/latex-context-ppchtex>  
MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/latex-context-ppchtex>
  - *The ltxtable package. Longtable and tabularx merge*. 2022-03-14. Version 0.4. LICENSE: lppl  
URL: <https://ctan.org/pkg/ltxtable>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/carlisle/ltxtable.tex>
  - *The makerobust209 package. Make an existing L<sup>A</sup>T<sub>E</sub>X command robust*. 2016-06-24. Version 1.01. LICENSE: noinfo. The package provides a command that converts the definition of a command to a robust one.  
URL: <https://ctan.org/pkg/makerobust209>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/makerobust.sty>
  - *The mylatex package. Make a format containing a document’s preamble*. 2020-10-28. LICENSE: lppl  
URL: <https://ctan.org/pkg/mylatex>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mylatex>

Carlisle, David. *The nopageno package. No page numbers in L<sup>A</sup>T<sub>E</sub>X documents*. 2016-06-24. LICENSE: lppl. LaTeX's standard styles use two page styles, one on normal pages and one on 'opening' pages with or , etc. Unfortunately there is only easy access to changing one of these two so if you want something other than 'plain' on the opening pages you must use on each such page. The package does provide a more flexible interface, but if you just want an empty page style on all pages then this package will do the job.

URL: <https://ctan.org/pkg/nopageno>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/nopageno>

- *The plain-ltx package. Make plain T<sub>E</sub>X files L<sup>A</sup>T<sub>E</sub>Xable*. 2022-03-14. LICENSE: lppl

URL: <https://ctan.org/pkg/plain-ltx>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/carlisle/plain.sty>

- *The pslatex package. Use PostScript fonts by default*. 2021-01-15. Version 1.3. LICENSE: lppl

URL: <https://ctan.org/pkg/pslatex>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pslatex>

- *The pspicture package. PostScript picture support*. 2016-06-24. LICENSE: lppl. A replacement for L<sup>A</sup>T<sub>E</sub>X's picture macros, that uses PostScript commands. The package is now largely superseded by .

URL: <https://ctan.org/pkg/pspicture>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pspicture>

- *The remreset package. Remove counters from reset list*. 2022-03-14. LICENSE: lppl

URL: <https://ctan.org/pkg/remreset>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/carlisle/remreset.sty>

- *The scalefnt package. Rescale fonts to arbitrary sizes*. 2022-03-14. LICENSE: lppl

URL: <https://ctan.org/pkg/scalefnt>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/carlisle/scalefnt.sty>

- *The showkeys package. Show label, ref, cite and bib keys*. 2022-06-08. Version 3.18. LICENSE: lppl1.3c

URL: <https://ctan.org/pkg/showkeys>

MIRROR: <https://mirror.ctan.org/macros/latex/required/tools>

- *The slashed package. Put a slash through characters*. 2022-03-14. LICENSE: lppl

URL: <https://ctan.org/pkg/slashed>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/carlisle/slashed.sty>

- *The tabulary package. Tabular with variable width columns balanced*. 2018-01-06. Version 0.10. LICENSE: lppl. The package defines a -like environment , taking a 'total width' argument as well as the column specifications. The environment uses column types , , and for variable width columns ( , , , and normally justified). In contrast to 's X columns, the width of each column is weighted according to the natural width of the widest cell in the column.

URL: <https://ctan.org/pkg/tabulary>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tabulary>

- *The textcase package. Case conversion ignoring mathematics, etc*. 2022-07-10. Version 1.03. LICENSE: lppl

URL: <https://ctan.org/pkg/textcase>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/textcase>

- *The type1cm package. Arbitrary size font selection in L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. LICENSE: lppl

URL: <https://ctan.org/pkg/type1cm>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/type1cm>

- *The typehtml package. Typeset HTML directly from L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. LICENSE: lppl

URL: <https://ctan.org/pkg/typehtml>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/typehtml>

- *The typewriter package. Typeset with a randomly variable monospace font*. 2021-08-26. Version 1.1. LICENSE: lppl. The package uses the , together with a LuaTeX virtual font setup that introduces random variability in grey level and angle of each character. It was originally an .

URL: <https://ctan.org/pkg/typewriter>

MIRROR: <https://mirror.ctan.org/macros/luatex/latex/typewriter>

- *The ucharcat package. Implementation of the (new in 2015) XeTeX \Ucharcat command in lua, for LuaTeX*. 2016-06-24. Version 0.03. LICENSE: lppl. The package implements the \Ucharcat command for LuaLaTeX. is a new primitive in XeTeX, an extension of the existing command, that allows the specification of the catcode as well as character code of the character token being constructed.

URL: <https://ctan.org/pkg/ucharcat>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ucharcat>

- Carlisle, David. *The xii package. Christmas silliness (English)*. 2017-11-14. LICENSE: lpl  
 URL: <https://ctan.org/pkg/xii>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/xii>
- *The xii-lat package. Christmas silliness (Latin)*. 2017-11-20. LICENSE: lpl  
 URL: <https://ctan.org/pkg/xii-lat>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/xii-lat>
  - *The xmltex package. Support for parsing XML documents*. 2018-04-05. Version 0.8. LICENSE: lpl  
 URL: <https://ctan.org/pkg/xmltex>  
 MIRROR: <https://mirror.ctan.org/macros/xmltex/base>
- Carlisle, David and Karl Berry. *The miniltx package. An abstract of L<sup>A</sup>T<sub>E</sub>X facilities for use with Plain T<sub>E</sub>X*. 2022-09-29. LICENSE: lpl.  
 Part of the collection which allows the use of L<sup>A</sup>T<sub>E</sub>X's graphics, colour, and picture mode commands in plain T<sub>E</sub>X based formats.  
 URL: <https://ctan.org/pkg/miniltx>  
 MIRROR: <https://mirror.ctan.org/macros/plain/graphics/miniltx.tex>
- Carlisle, David, Peter Breitenlohner, and The L<sup>A</sup>T<sub>E</sub>X Project Team. *The etex-pkg package. E-TeX support package*. 2017-04-18. Version 2.7.  
 LICENSE: lpl1.3  
 URL: <https://ctan.org/pkg/etex-pkg>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/etex-pkg>
- Carlisle, David, Jean-Pierre Drucbert, and The L<sup>A</sup>T<sub>E</sub>X Project Team. *The xr package. References to other L<sup>A</sup>T<sub>E</sub>X documents*. 2021-06-01.  
 Version 5.06. LICENSE: lpl1.3c  
 URL: <https://ctan.org/pkg/xr>  
 MIRROR: <https://mirror.ctan.org/macros/latex/required/tools>
- Carlisle, David and Robin Fairbairns. *The maths-symbols package. Summary of mathematical symbols available in L<sup>A</sup>T<sub>E</sub>X*. 2017-04-18.  
 Version 3.4. LICENSE: lpl1.2. A predecessor of the , covering mathematical symbols available in standard L<sup>A</sup>T<sub>E</sub>X (including the AMS symbols, if available at compile time).  
 URL: <https://ctan.org/pkg/maths-symbols>  
 MIRROR: <https://mirror.ctan.org/info/symbols/math>
- Carlisle, David, Morten Høgholm, and The L<sup>A</sup>T<sub>E</sub>X Project Team. *The xspace package. Define commands that appear not to eat spaces*.  
 2021-06-01. Version 1.13. LICENSE: lpl1.3c  
 URL: <https://ctan.org/pkg/xspace>  
 MIRROR: <https://mirror.ctan.org/macros/latex/required/tools>
- Carlisle, David, David Kastrup, and The L<sup>A</sup>T<sub>E</sub>X Project Team. *The longtable package. Allow tables to flow over page boundaries*.  
 2021-11-12. Version 4.17. LICENSE: lpl1.3c  
 URL: <https://ctan.org/pkg/longtable>  
 MIRROR: <https://mirror.ctan.org/macros/latex/required/tools>
- Carlisle, David, Frank Mittelbach, and The L<sup>A</sup>T<sub>E</sub>X Project Team. *The bm package. Access bold symbols in maths mode*. 2022-06-08.  
 Version 1.2f. LICENSE: lpl1.3c  
 URL: <https://ctan.org/pkg/bm>  
 MIRROR: <https://mirror.ctan.org/macros/latex/required/tools>
- Carlisle, David and Oberdiek Package Support Group. *The xr-hyper package. Inter-document hyper-references*. 2023-02-08. Version 7.00v.  
 LICENSE: lpl  
 URL: <https://ctan.org/pkg/xr-hyper>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hyperref/xr-hyper.sty>
- Carlisle, David, Sebastian Rahtz, Hans Hagen, Martin Schröder, and Heiko Oberdiek. *The pdftex-def package. Colour and Graphics support for pdfTeX*. 2022-09-23. Version 1.2b. LICENSE: lpl1.3c  
 URL: <https://ctan.org/pkg/pdftex-def>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/graphics-def>
- Carlisle, David, Walter A. Schmidt, and Karl Berry. *The ly1 package. Support for LY1 L<sup>A</sup>T<sub>E</sub>X encoding*. 2022-06-11. LICENSE: lpl  
 URL: <https://ctan.org/pkg/ly1>  
 MIRROR: <https://mirror.ctan.org/fonts/psfonts/ly1>
- Carlisle, David and The L<sup>A</sup>T<sub>E</sub>X Project Team. *The afterpage package. Execute command after the next page break*. 2021-06-01. Version 1.08.  
 LICENSE: lpl1.3c  
 URL: <https://ctan.org/pkg/afterpage>  
 MIRROR: <https://mirror.ctan.org/macros/latex/required/tools>
- *The color package. Colour control for L<sup>A</sup>T<sub>E</sub>X documents*. 2022-06-08. Version 1.3d. LICENSE: lpl1.3c  
 URL: <https://ctan.org/pkg/color>  
 MIRROR: <https://mirror.ctan.org/macros/latex/required/graphics>

- Carlisle, David and The L<sup>A</sup>T<sub>E</sub>X Project Team. *The dcolumn package. Align on the decimal point of numbers in tabular columns.* 2021-06-01. Version 1.06. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/dcolumn>  
 MIRROR: <https://mirror.ctan.org/macros/latex/required/tools>
- *The delarray package. Delimiters for arrays.* 2021-01-03. Version 1.01. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/delarray>  
 MIRROR: <https://mirror.ctan.org/macros/latex/required/tools>
  - *The enumerate package. Enumerate with redefinable labels.* 2021-06-01. Version 3.00. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/enumerate>  
 MIRROR: <https://mirror.ctan.org/macros/latex/required/tools>
  - *The graphics package. Standard L<sup>A</sup>T<sub>E</sub>X graphics.* 2022-06-08. Version 1.4e. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/graphics>  
 MIRROR: <https://mirror.ctan.org/macros/latex/required/graphics>
  - *The graphicx package. Enhanced support for graphics.* 2021-11-12. Version 1.2d. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/graphicx>  
 MIRROR: <https://mirror.ctan.org/macros/latex/required/graphics>
  - *The indentfirst package. Indent first paragraph after section header.* 2021-06-01. Version 1.03. LICENSE: lppl1.3c. This minimalist package is part of the bundle in the L<sup>A</sup>T<sub>E</sub>X distribution.  
 URL: <https://ctan.org/pkg/indentfirst>  
 MIRROR: <https://mirror.ctan.org/macros/latex/required/tools>
  - *The keyval package. Process 'key=value' schemes.* 2022-06-08. Version 1.15. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/keyval>  
 MIRROR: <https://mirror.ctan.org/macros/latex/required/graphics>
  - *The lscape package. Place selected parts of a document in landscape.* 2021-06-01. Version 3.02. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/lscape>  
 MIRROR: <https://mirror.ctan.org/macros/latex/required/graphics>
  - *The ltxdoc package. Class for documented L<sup>A</sup>T<sub>E</sub>X macro files.* 2022-12-01. Version 2.1i. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/ltxdoc>  
 MIRROR: <https://mirror.ctan.org/macros/latex/base>
  - *The luatex-def package. LuaTeX option file for color and graphics.* 2022-09-23. Version 1.2d. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/luatex-def>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/graphics-def>
  - *The tabularx package. Tabulars with adjustable-width columns.* 2021-06-01. Version 2.11c. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/tabularx>  
 MIRROR: <https://mirror.ctan.org/macros/latex/required/tools>
  - *The trig package. Simple trigonometric functions.* 2021-11-12. Version 1.11. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/trig>  
 MIRROR: <https://mirror.ctan.org/macros/latex/required/graphics>
- Carlisle, David, Joseph Wright, and The L<sup>A</sup>T<sub>E</sub>X Project Team. *The luatex85 package. pdfTeX aliases for LuaTeX.* 2016-06-24. Version 1.4. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/luatex85>  
 MIRROR: <https://mirror.ctan.org/macros/generic/luatex85>
- Carriba, Manuel and Hippocrates Sendoukas. *The icons package. TeX icons.* 2016-06-24. LICENSE: knuth  
 URL: <https://ctan.org/pkg/icons>  
 MIRROR: <https://mirror.ctan.org/support/icons>
- Casares, Ramón. *The METATeX package. Incorporate Metafont pictures in T<sub>E</sub>X source.* 2018-01-06. Version 1.1. LICENSE: gpl  
 URL: <https://ctan.org/pkg/metatex>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/metatex>
- Cashner, Andrew A. *The musicography package. Accessing symbols for music writing with pdfLaTeX.* 2023-02-15. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/musicography>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/musicography>
- *The octave package. Typeset musical pitches with octave designations.* 2023-02-15. LICENSE: lppl1.3. This package package typesets musical pitch names with designation for the octave in either the Helmholtz system (with octave numbers), or the traditional system (with prime symbols). Authors can just write and the pitches will be rendered correctly depending on which package option was selected. The system can also be changed mid-document.

- URL: <https://ctan.org/pkg/octave>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/octave>
- Cashner, Andrew A. *The semantic-markup package. Meaningful semantic markup in the spirit of the Text Encoding Initiative.* 2020-01-29. LICENSE: lpl1.3  
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MIRROR: <https://mirror.ctan.org/macros/luatex/latex/lualinalg>
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MIRROR: <https://mirror.ctan.org/macros/luatex/latex/luamodulartables>
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URL: <https://ctan.org/pkg/dtxgen>  
MIRROR: <https://mirror.ctan.org/support/dtxgen>
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URL: <https://ctan.org/pkg/isodoc>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/isodoc>
  - *The ltxfileinfo package. Print version information for a L<sup>A</sup>T<sub>E</sub>X file*. 2016-06-24. Version 2.04. LICENSE: gpl. displays version information for L<sup>A</sup>T<sub>E</sub>X files. If no path information is given, the file is searched using . As an extra, for developers, the script will (use the or options) check the validity of the statements in the files. The script uses code from Uwe Lück's .  
URL: <https://ctan.org/pkg/ltxfileinfo>  
MIRROR: <https://mirror.ctan.org/support/ltxfileinfo>
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URL: <https://ctan.org/pkg/lug>  
MIRROR: <https://mirror.ctan.org/support/lug>
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URL: [https://ctan.org/pkg/match\\_parens](https://ctan.org/pkg/match_parens)  
MIRROR: [https://mirror.ctan.org/support/match\\_parens](https://mirror.ctan.org/support/match_parens)
  - *The mk package. A T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X maker*. 2018-04-12. Version 3.07. LICENSE: gpl. mk is a Bash script that, in close collaboration with (short for View and Print PDF/PostScript), is helpful in the cyclic process of editing, compiling, viewing, and printing a L<sup>A</sup>T<sub>E</sub>X, X<sub>L</sub><sup>A</sup>T<sub>E</sub>X, or plain T<sub>E</sub>X document. Essentially, mk uses for compilation, for viewing and printing.  
URL: <https://ctan.org/pkg/mk>  
MIRROR: [https://mirror.ctan.org/support/latex\\_maker](https://mirror.ctan.org/support/latex_maker)
  - *The mkipic package. Perl interface to mfpic*. 2016-06-24. Version 1.02. LICENSE: gpl. mkipic provides an easy interface for making small pictures with . To this end you create an input file consisting of commands, one per line, with space separated parameters (or you modify the DATA section of the mkipic script, which is used if you run it without an input file). For an extensive description see the file , which is part of the distribution.

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MIRROR: <https://mirror.ctan.org/support/mkpica>
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URL: <https://ctan.org/pkg/proofread>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/proofread>
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URL: <https://ctan.org/pkg/prv>  
MIRROR: <https://mirror.ctan.org/obsolete/support/prv>
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URL: <https://ctan.org/pkg/texlog-extract>  
MIRROR: <https://mirror.ctan.org/support/texlog-extract>
  - *The vpp package. View and (selectively) Print PDF and PostScript*. 2018-04-04. Version 3.07. LICENSE: gpl. is a Bash script that displays a PDF or PostScript document (after conversion to PDF). The user can use the viewer to print the document or, alternatively, leave the viewer and use `ps` facilities to print selected pages to a one- or two-sided hardcopy or an A5-booklet: see the section /Page selection and other commands/ for the details. Instead of printing your selections, you can also save them into PDF files.  
URL: <https://ctan.org/pkg/vpp>  
MIRROR: [https://mirror.ctan.org/support/view\\_print\\_ps\\_pdf](https://mirror.ctan.org/support/view_print_ps_pdf)
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URL: <https://ctan.org/pkg/pst-2dplot>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-2dplot>
- *The pst-sigsys package. Support of signal processing-related disciplines*. 2016-06-24. Version 1.4. LICENSE: lppl  
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URL: <https://ctan.org/pkg/pgf-soroban>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/pgf-soroban>
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 URL: <https://ctan.org/pkg/eiad>  
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 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/font-change>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/handoutwithnotes>
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 URL: <https://ctan.org/pkg/invoice2>  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/drs>
- Dimitriadis, Alexis and Jeffrey Siskind. *The qtree package. Draw tree structures*. 2016-06-24. Version 3.1b. LICENSE: lppl  
 URL: <https://ctan.org/pkg/qtree>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/qtree>
- Dionne, Xavier. *The vcell package. Vertical alignment of content inside table cells*. 2021-05-01. Version 1.0.2. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/vcell>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/vcell>
- Dippell, Marvin. *The nChairX package. Maths macros from chair X of Würzburg University*. 2021-08-12. Version 1.0.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/nchairx>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/nchairx>
- Dirr, Ulrich. *The SkakNew package. The skak chess fonts redone in Adobe Type 1*. 2017-04-18. LICENSE: lppl. This package offers Adobe Type 1 versions of the fonts provided as Metafont source by the bundle.  
 URL: <https://ctan.org/pkg/skaknew>  
 MIRROR: <https://mirror.ctan.org/fonts/chess/skaknew>
- Ditzel, Maarten. *The figfrag package. Convert xfig figures with embedded L<sup>A</sup>T<sub>E</sub>X commands to EPS*. 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/figfrag>  
 MIRROR: <https://mirror.ctan.org/graphics/figfrag>
- Doerr, Hans-Peter. *The Exceltex package. Get data from Excel files into L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. Version 0.5.1. LICENSE: gpl  
 URL: <https://ctan.org/pkg/exceltex>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/exceltex>
- Döhring, B. Michel. *The oPlotSymb1 package. Some symbols which are not easily available*. 2017-08-04. Version 1.4. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/oplotsymb1>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oplotsymb1>
- Dohse, Max. *The TikZ-FeynHand package. Feynman diagrams with TikZ*. 2019-08-19. Version 1.1.0. LICENSE: gpl3+  
 URL: <https://ctan.org/pkg/tikz-feynhand>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikz-feynhand>
- Doll, Mark and Cengiz Günay. *The texdiff package. Compare documents and produce tagged merge*. 2017-04-18. Version 0.4. LICENSE: artistic. Two files are compared and a new T<sub>E</sub>X file is output. When the output file is processed with (La)T<sub>E</sub>X it marks new changes with blue and old text with red with a strike-through line. Furthermore, passages with changes are marked at the margin with grey bars by the L<sup>A</sup>T<sub>E</sub>X package.  
 URL: <https://ctan.org/pkg/texdiff>  
 MIRROR: <https://mirror.ctan.org/support/texdiff>
- Domanov, Oleg. *The biblatex-gost package. BibL<sup>A</sup>T<sub>E</sub>X support for GOST standard bibliographies*. 2021-05-08. Version 1.22. LICENSE: lppl1.3c. The package provides support for Russian bibliography style GOST 7.0.5-2008  
 URL: <https://ctan.org/pkg/biblatex-gost>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-gost>
- Domenjoud, Eric. *The footbib package. Bibliographic references as footnotes*. 2016-06-24. Version 2.0.7. LICENSE: lppl  
 URL: <https://ctan.org/pkg/footbib>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/footbib>
- *The hex package. Print a counter in hexadecimal*. 2016-06-24. LICENSE: noinfo. Defines a macro that takes a counter name as argument.  
 URL: <https://ctan.org/pkg/hex>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/hex.sty>
- Domingo, Augustin Martin and Tilman Vogel. *The fragmaster package. Using psfrag with pdfL<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. Version 1.6. LICENSE: gpl. Fragmaster enables you to use with pdfL<sup>A</sup>T<sub>E</sub>X. It takes EPS files and psfrag substitution definition files, and produces PDF and EPS files with the substitutions included.  
 URL: <https://ctan.org/pkg/fragmaster>  
 MIRROR: <https://mirror.ctan.org/support/fragmaster>



- Dominici, Massimiliano. *The dramatist package. Typeset dramas, both in verse and in prose.* 2016-06-24. Version 1.2e. LICENSE: gpl  
 URL: <https://ctan.org/pkg/dramatist>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/dramatist>
- *The parrun package. Typesets (two) streams of text running parallel.* 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/parrun>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/parrun>
- Dominik, Carsten and Holger Karl. *The psfixbb package. Correct the bounding box of a PostScript file.* 2016-06-24. Version 3.0. LICENSE: gpl. Computes the BoundingBox of a PostScript file, using , and ; then produces a new version of the file with the correct BoundingBox.  
 URL: <https://ctan.org/pkg/psfixbb>  
 MIRROR: <https://mirror.ctan.org/support/psfixbb>
- Donald, Bruce. *The nih package. A class for NIH grant applications.* 2018-01-06. LICENSE: lppl  
 URL: <https://ctan.org/pkg/nih>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/nih>
- Donato, Paolo De. *The lt3rawobjects package. Objects and proxies in L<sup>A</sup>T<sub>E</sub>X3.* 2023-03-17. Version 2.3. LICENSE: gpl3+  
 URL: <https://ctan.org/pkg/lt3rawobjects>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/lt3rawobjects>
- *The resmes package. Measure restriction symbol in L<sup>A</sup>T<sub>E</sub>X.* 2022-12-29. Version 1.0. LICENSE: mit. This package provides a simple macro that prints the measure restriction symbol.  
 URL: <https://ctan.org/pkg/resmes>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/resmes>
  - *The styledcmd package. Handling multiple versions of user-defined macros.* 2022-12-13. Version 2.0. LICENSE: gpl3+  
 URL: <https://ctan.org/pkg/styledcmd>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/styledcmd>
- Dongdong, Lin. *The xtuthesis package. XTU thesis template.* 2018-04-29. Version 1.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/xtuthesis>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xtuthesis>
- Doob, Michael. *The gentle package. A Gentle Introduction to T<sub>E</sub>X.* 2016-06-24. LICENSE: other-free  
 URL: <https://ctan.org/pkg/gentle>  
 MIRROR: <https://mirror.ctan.org/info/gentle>
- Dood, Michiel de. *The lion-msc package. L<sup>A</sup>T<sub>E</sub>X class for B.Sc. and M.Sc. reports at Leiden Institute of Physics (LION).* 2020-06-04. Version 0.30. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/lion-msc>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/lion-msc>
- Dooren, Gerry van. *The losymbol package. Defines a mechanism for producing a list of symbols.* 2016-06-18. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/losymbol>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/losymbol.sty>
- Dorj, Dorjpalam and Oliver Corff. *The lshort-mongolian package. Short introduction to L<sup>A</sup>T<sub>E</sub>X 2.09, Mongolian translation.* 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/lshort-mongolian>  
 MIRROR: <https://mirror.ctan.org/info/lshort/mongolian/lshort-mongolian>
- Dorner, Fernando, Andreas Granzer, and Daniel Taupin. *The ltx2rtf package. A conversion program from L<sup>A</sup>T<sub>E</sub>X to Rich Text Format.* 2016-06-18. LICENSE: other-free  
 URL: <https://ctan.org/pkg/ltx2rtf>  
 MIRROR: <https://mirror.ctan.org/support/ltx2rtf>
- Dörntge, Rainer. *The magic package. A font to go with the Magic(TM) game.* 2016-06-24. LICENSE: other-free. A small set of symbols appropriate to the game. The font is expressed in Metafont; unusually, the size-specific file is input by , rather than the other way around.  
 URL: <https://ctan.org/pkg/magic>  
 MIRROR: <https://mirror.ctan.org/fonts/magic>
- Doron, Eyal. *The bibdb package. BibTeX bibliography manager for MS-Windows and MS-DOS.* 2016-06-24. LICENSE: pd  
 URL: <https://ctan.org/pkg/bibdb>  
 MIRROR: <https://mirror.ctan.org/support/bibdb>
- Dossena, Riccardo. *The old-arrows package. Computer Modern old-style arrows with smaller arrowheads.* 2017-01-05. Version 2.0. LICENSE: lppl1.3. This package provides Computer Modern old-style arrows with smaller arrowheads, associated with the usual L<sup>A</sup>T<sub>E</sub>X commands. It can be used in documents that contain other arrow characters that also have small arrowheads. It is also

possible to use the usual new-style Computer Modern arrows together with the old-style ones.

URL: <https://ctan.org/pkg/old-arrows>

MIRROR: <https://mirror.ctan.org/fonts/old-arrows>

Dossena, Riccardo. *The verifica package. Typeset (Italian high school) exercises*. 2020-10-10. Version 1.3. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/verifica>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/verifica>

Downes, Michael J. *The aro-bend package. Exercises in T<sub>E</sub>X, with answers*. 2016-06-24. LICENSE: lppl

URL: <https://ctan.org/pkg/aro-bend>

MIRROR: <https://mirror.ctan.org/info/challenges/aro-bend>

— *The cmdtrack package. Check used commands*. 2016-06-24. LICENSE: lppl1. The package keeps track of whether a command defined in a document preamble is actually used somewhere in the document. After the package is loaded in the preamble of a document, all (and similar command definitions) between that point and the beginning of the document will be marked for logging. At the end of the document a report of command usage will be printed in the T<sub>E</sub>X log, for example:

URL: <https://ctan.org/pkg/cmdtrack>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cmdtrack>

— *The dialogl package. Macros for constructing interactive L<sup>A</sup>T<sub>E</sub>X scripts*. 2016-06-24. LICENSE: lppl

URL: <https://ctan.org/pkg/dialogl>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/dialogl>

— *The patchcmd package. Change the definition of an existing command*. 2016-06-24. Version 1.05. LICENSE: lppl. The package provides a command that can be used to add material at the beginning and/or the end of the replacement text of an existing macro. It works for macros with any number of normal arguments, including those that were defined with .

URL: <https://ctan.org/pkg/patchcmd>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/patchcmd>

— *The showdim package. Variants on printing dimensions*. 2016-06-24. Version 1.2. LICENSE: lppl. A package for L<sup>A</sup>T<sub>E</sub>X providing a number of commands for printing the value of a T<sub>E</sub>X dimension. For example, yields the current value of rounded to the nearest tenth of a point.

URL: <https://ctan.org/pkg/showdim>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/showdim/showdim.sty>

— *The wordcount package. Estimate the number of words in a L<sup>A</sup>T<sub>E</sub>X document*. 2016-06-24. Version 1.7. LICENSE: lppl. The package provides a relatively easy way of estimating the number of words in a L<sup>A</sup>T<sub>E</sub>X document that does not require or other DVI converters. It does however require something like Unix that can search a file for a particular string and report the number of matching lines. An accompanying shell script contains more information in its comments.

URL: <https://ctan.org/pkg/wordcount>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/wordcount>

Downes, Michael J., Morten Høgholm, Lars Madsen, Will Robertson, and Joseph Wright. *The breqn package. Automatic line breaking of displayed equations*. 2021-10-28. Version 0.98l. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/breqn>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/breqn>

— *The mathstyle package. Manage mathematics typesetting style*. 2021-10-28. Version 0.98l. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/mathstyle>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/breqn>

Downes, Michael J. and Peter R. Wilson. *The around-the-bend package. Typeset exercises in T<sub>E</sub>X, with answers*. 2016-06-24. LICENSE: lppl. This is a typeset version of the files of the , plus three extra questions (with their answers) that Michael Downes didn't manage to get onto CTAN.

URL: <https://ctan.org/pkg/around-the-bend>

MIRROR: <https://mirror.ctan.org/info/challenges/AroBend>

Dragone, Mario. *The xlatex package. A T<sub>E</sub>X/L<sup>A</sup>T<sub>E</sub>X shell for X-windows*. 2016-06-24. Version 3.3c. LICENSE: other-free

URL: <https://ctan.org/pkg/xlatex>

MIRROR: <https://mirror.ctan.org/support/xlatex>

Drakos, Nikos, Ross Moore, Daniel Gildea, Paulo Ney de Souza, and Roland Stigge. *The latex2html package. Convert L<sup>A</sup>T<sub>E</sub>X into HTML documents*. 2019-06-24. LICENSE: gpl

URL: <https://ctan.org/pkg/latex2html>

Drechsler, Patrick. *The pst-pad package. Draw simple attachment systems with PSTricks*. 2018-09-15. Version 0.3b. LICENSE: lppl. The package collects a set of graphical elements based on that can be used to facilitate display of attachment systems such as two differently shaped surfaces with or without a fluid wedged in between. These macros ease the display of wet adhesion models

- and common friction systems such as boundary lubrication, elastohydrodynamic lubrication and hydrodynamic lubrication.  
 URL: <https://ctan.org/pkg/pst-pad>  
 MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-pad>
- Dreher, Simon. *The IMTEKda package. IMTEK thesis class*. 2016-06-24. Version 1.7. LICENSE: lppl  
 URL: <https://ctan.org/pkg/imtekda>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/imtekda>
- Dreuw, Philippe and Thomas Deselaers. *The beamerposter package. Extend beamer and a0poster for custom sized posters*. 2018-04-23. Version 1.13. LICENSE: lppl,gpl  
 URL: <https://ctan.org/pkg/beamerposter>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/beamerposter>
- Drews, Aaron. *The pfdicons package. Draw process flow diagrams in chemical engineering*. 2021-07-28. Version 1.0a. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/pfdicons>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/pfdicons>
- Dreyer, Alexander. *The namespc package. Rudimentary C++-like namespaces in L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/namespc>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/namespc>
- Droms, Ralph. *The txt package. Output documents via terminals, line printers, etc.* 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/txt>  
 MIRROR: <https://mirror.ctan.org/support/txt>
- Drucbert, Jean-Pierre. *The export package. Import and export values of L<sup>A</sup>T<sub>E</sub>X registers*. 2016-06-24. Version 1.8. LICENSE: lppl  
 URL: <https://ctan.org/pkg/export>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/export>
- *The fepslatex package. French version of "graphics in L<sup>A</sup>T<sub>E</sub>X"*. 2016-06-24. LICENSE: gpl. This is the French translation of , and describes how to use imported graphics in L<sup>A</sup>T<sub>E</sub>X(2e) documents.  
 URL: <https://ctan.org/pkg/fepslatex>  
 MIRROR: <https://mirror.ctan.org/info/epslatex/french>
  - *The minitoc package. Produce a table of contents for each chapter, part or section*. 2021-10-31. Version 62. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/minitoc>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/minitoc>
  - *The regcount package. Display the allocation status of the T<sub>E</sub>X registers*. 2016-06-24. Version 1.0. LICENSE: lppl. Adds a macro which displays the allocation status of the T<sub>E</sub>X registers. The display is written into the .log file as it is a bit verbose. An automatic call to is done at and .  
 URL: <https://ctan.org/pkg/regcount>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/regcount>
  - *The shorttoc package. Table of contents with different depths*. 2016-06-24. Version 1.3. LICENSE: lppl  
 URL: <https://ctan.org/pkg/shorttoc>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/shorttoc>
  - *The tabbing package. Tabbing with accented letters*. 2021-06-28. LICENSE: lppl1. By default, some of the tabbing environment's commands clash with default accent commands; L<sup>A</sup>T<sub>E</sub>X provides the odd commands , etc., to deal with the clash. The package offers a variant of the tabbing environment which does not create this difficulty, so that users need not learn two sets of accent commands.  
 URL: <https://ctan.org/pkg/tabbing>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/Tabbing>
  - *The translation-array-fr package. French translation of the documentation of array*. 2016-06-24. LICENSE: lppl. A French translation of the documentation of .  
 URL: <https://ctan.org/pkg/translation-array-fr>  
 MIRROR: <https://mirror.ctan.org/info/translations/array/fr>
  - *The translation-booktabs-fr package. French translation of the documentation of booktabs*. 2016-06-24. LICENSE: lppl. A french translation of the documentation of .  
 URL: <https://ctan.org/pkg/translation-booktabs-fr>  
 MIRROR: <https://mirror.ctan.org/info/translations/booktabs/fr>
  - *The translation-dcolumn-fr package. French translation of the documentation of dcolumn*. 2016-06-24. LICENSE: lppl. A French translation of the documentation of .  
 URL: <https://ctan.org/pkg/translation-dcolumn-fr>  
 MIRROR: <https://mirror.ctan.org/info/translations/dcolumn/fr>

- Drucbert, Jean-Pierre. *The translation-tabbing-fr package. French translation of the documentation of Tabbings*. 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/translation-tabbing-fr>  
 MIRROR: <https://mirror.ctan.org/info/translations/Tabbing/fr>
- Drucbert, Jean-Pierre and Patrick W. Daly. *The translation-natbib-fr package. French translation of the documentation of natbib*. 2016-06-24. LICENSE: lppl. A French translation of the documentation of .  
 URL: <https://ctan.org/pkg/translation-natbib-fr>  
 MIRROR: <https://mirror.ctan.org/info/translations/natbib/fr>
- Drucbert, Jean-Pierre and Mathieu Goutelle. *The booktabs-fr package. French translation of booktabs documentation*. 2016-06-24. Version 1.00. LICENSE: lppl  
 URL: <https://ctan.org/pkg/booktabs-fr>  
 MIRROR: <https://mirror.ctan.org/info/translations/booktabs/fr>
- Dryllerakis, K J. *The kdgreek package. Greek fonts and macros*. 2016-06-24. Version 3.1. LICENSE: gpl  
 URL: <https://ctan.org/pkg/kdgreek>  
 MIRROR: <https://mirror.ctan.org/fonts/greek/kd>
- Du, Sicheng. *The gradient-text package. Decorate text with linear gradient colors*. 2023-01-24. Version 1.2. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/gradient-text>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gradient-text>
- *The maze package. Generate random mazes*. 2023-01-10. Version 1.2. LICENSE: lppl1.3c. This package can generate random square mazes of a specified size. The mazes generated by this package are natural and their solution is not too obvious. The output it based on the environment.  
 URL: <https://ctan.org/pkg/maze>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/maze>
- Duan, Charles. *The randtext package. Randomise the order of characters in strings*. 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/randtext>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/randtext>
- *The switcheml package. Obfuscate email addresses (now obsolete)*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/switcheml>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/switcheml>
- Dübendorfer, Marco. *The grafik package. EPS graphics under Windows*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/grafik>  
 MIRROR: [https://mirror.ctan.org/info/german/grafik/eps\\_anleitung.html](https://mirror.ctan.org/info/german/grafik/eps_anleitung.html)
- Duchi, Claudio. *The datetime2-it-fulltext package. Italian full text styles for the datetime2 package*. 2016-06-24. Version 1.6. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/datetime2-it-fulltext>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-it-fulltext>
- Duchier, Denys. *The bigtabular package. Tabulars that can split at page boundaries*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/bigtabular>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/bigtabular.sty>
- *The secret package. Put security classification marks in a document*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/secret>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/secret.sty>
- Dudebout, Nicolas. *The matrix-skeleton package. A PGF/TikZ library that simplifies working with multiple matrix nodes*. 2022-11-14. Version 1.1. LICENSE: isc. The package provides a PGF/TikZ library that simplifies working with multiple matrix nodes. To do so, it correctly aligns groups of nodes with the content of the whole matrix. Furthermore, provides rows and columns for easy styling.  
 URL: <https://ctan.org/pkg/matrix-skeleton>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/matrix-skeleton>
- Duggan, Angus. *The dvibook package. Utilities for manipulating DVI files*. 2016-06-24. LICENSE: other-free  
 URL: <https://ctan.org/pkg/dvibook>  
 MIRROR: <https://mirror.ctan.org/dviware/dvibook>
- *The PBMtoPK package. Conversion between PBM and PK formats*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/pbmtopk>  
 MIRROR: <https://mirror.ctan.org/graphics/pbmtopk>
- *The PicTeXsum package. A summary of PicTeX commands*. 2016-06-24. LICENSE: other-free. The document summarises the commands of PicTeX. While it is no substitute for the PicTeX manual itself (available from <https://www.picTeX.net/>), the document is a useful aide-

- memoire for those who have read the manual.  
 URL: <https://ctan.org/pkg/pictexsum>  
 MIRROR: <https://mirror.ctan.org/info/pictex/summary>
- Duggan, Angus. *The psmerge package. Concatenate PostScript files*. 2016-06-24. Version p17. LICENSE: other-free  
 URL: <https://ctan.org/pkg/psmerge>
- *The psutils package. PostScript utilities*. 2021-08-26. Version p17. LICENSE: other-free  
 URL: <https://ctan.org/pkg/psutils>
  - *The vplutils package. Manipulate (virtual) property lists*. 2016-06-24. LICENSE: other-free. The first two of a planned suite of tools, these are Perl scripts: – makevpl, which merges PL and VPL files, creating a VPL file, and – spacevpl, which alters the spacing in a PL or VPL file.  
 URL: <https://ctan.org/pkg/vplutils>  
 MIRROR: <https://mirror.ctan.org/fonts/utilities/vplutils>
- Dumont, Bastien. *The crossrefenum package. Smart typesetting of enumerated cross-references for various T<sub>E</sub>X formats*. 2023-02-20. Version 1.0.2. LICENSE: gpl3+,fdl  
 URL: <https://ctan.org/pkg/crossrefenum>  
 MIRROR: <https://mirror.ctan.org/macros/generic/crossrefenum>
- Dungs, Kevin. *The fontmfizz package. Font Mfizz icons for use in L<sup>A</sup>T<sub>E</sub>X*. 2017-04-18. LICENSE: mit  
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 URL: <https://ctan.org/pkg/dtxdescribe>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/dtxdescribe>
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 URL: <https://ctan.org/pkg/keyfloat>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/keyfloat>
  - *The labelschanged package. Identify labels which cause endless “may have changed” warnings*. 2017-12-13. Version 1.0. LICENSE: pd  
 URL: <https://ctan.org/pkg/labelschanged>  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/lwarp>
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 URL: <https://ctan.org/pkg/metalogox>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/metalogox>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/dateiliste>
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URL: <https://ctan.org/pkg/exp-testopt>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/exp-testopt>
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URL: <https://ctan.org/pkg/extpfeil>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/extpfeil>
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URL: <https://ctan.org/pkg/faktor>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/faktor>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gmdoc-enhance>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/minipage-marginpar>
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MIRROR: <https://mirror.ctan.org/fonts/gudea>
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MIRROR: <https://mirror.ctan.org/fonts/hindmadurai>
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MIRROR: <https://mirror.ctan.org/fonts/inter>
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URL: <https://ctan.org/pkg/magra>  
MIRROR: <https://mirror.ctan.org/fonts/magra>
  - *The Nunito package. The Nunito font face with support for L<sup>A</sup>T<sub>E</sub>X and pdfLaTeX*. 2021-01-18. Version 0.0.1. LICENSE: ofl,lpl  
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- *The mattens package. Matrices/tensor typesetting*. 2022-03-02. Version 1.3b. LICENSE: lppl1.3c  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mattens>
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 URL: <https://ctan.org/pkg/refstyle>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/refstyle>
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 URL: <https://ctan.org/pkg/sistyle>  
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- Elwell, Clayton M. *The AFMtoPL (Elwell) package. An early converter from AFM to PL*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/afmto-pl-elwell>  
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- Emmel, Thomas. *The ifmslide package. Presentation slides for screen and printouts*. 2016-06-24. Version 0.47. LICENSE: lppl1.2. This package is used to produce printed slides with L<sup>A</sup>T<sub>E</sub>X and online presentations with pdfLaTeX. It is provided by the ‘Institute of Mechanics’ (ifm) Univ. of Technology Darmstadt, Germany. It is based on ideas of , but completely rewritten for compatibility with texpower and . The manual describes all functions and provides a sample.  
 URL: <https://ctan.org/pkg/ifmslide>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ifmslide>
- *The ticket package. Make labels, visiting-cards, pins with L<sup>A</sup>T<sub>E</sub>X*. 2016-10-11. Version 0.4d. LICENSE: lppl1.3. Provides an easy to handle interface to produce visiting cards, labels for your files, stickers, pins and other stuff for your office, conferences etc. All



- you need is a definition of your ‘ticket’ included in a ticket definition file and the two commands and .  
 URL: <https://ctan.org/pkg/ticket>  
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 MIRROR: <https://mirror.ctan.org/fonts/ae>
- *The swebib package. Swedish bibliography styles*. 2016-06-24. LICENSE: lppl1.2  
 URL: <https://ctan.org/pkg/swebib>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/swebib>
- Engel, Christian, Dirk Jagdman, and Kamal Al-Yahya. *The tr2latex package. Translate troff source to L<sup>A</sup>T<sub>E</sub>X*. 2018-08-01. Version 2.6. LICENSE: nosell. A development of Al-Yahya’s original troff-to-LaTeX. The translator recognises most and macros, plus some and preprocessor commands; output is in L<sup>A</sup>T<sub>E</sub>X 2.09 format.  
 URL: <https://ctan.org/pkg/tr2latex>  
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 MIRROR: <https://mirror.ctan.org/info/svg-inkscape>
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 MIRROR: <https://mirror.ctan.org/fonts/schulschriften>
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 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/trees/eppstein>
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 MIRROR: <https://mirror.ctan.org/biblio/bibtex/utlis/bibindex>
- *The biblook package. Fast searching of BibTeX files*. 2017-04-18. Version 2.8. LICENSE: pd. A stand-alone tool for searching BibTeX documents which have been indexed by .  
 URL: <https://ctan.org/pkg/biblook>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/utlis/bibindex>
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 URL: <https://ctan.org/pkg/unicode-alphabets>  
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URL: <https://ctan.org/pkg/texi2roff>  
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- Esbati, Arash. *The AnonymousPro package. Use AnonymousPro fonts with L<sup>A</sup>T<sub>E</sub>X*. 2019-07-12. Version 2.2. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/anonymouspro>  
MIRROR: <https://mirror.ctan.org/fonts/anonymouspro>
- *The Chivo package. Using the free Chivo fonts with L<sup>A</sup>T<sub>E</sub>X*. 2022-11-16. Version 2.2. LICENSE: ofl,lppl1.3c. This work provides the necessary files to use the Chivo fonts with L<sup>A</sup>T<sub>E</sub>X. Chivo is a set of eight fonts provided by Héctor Gatti & Omnibus Team under the , version 1.1. The fonts are copyright (c) 2011-2019, Omnibus-Type.  
URL: <https://ctan.org/pkg/chivo>  
MIRROR: <https://mirror.ctan.org/fonts/chivo>
  - *The rosario package. Using the free Rosario fonts with L<sup>A</sup>T<sub>E</sub>X*. 2019-07-20. Version 2.1. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/rosario>  
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MIRROR: <https://mirror.ctan.org/dviware/dvichk>
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URL: <https://ctan.org/pkg/latexdb>  
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URL: <https://ctan.org/pkg/anysize>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/anysize>
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URL: <https://ctan.org/pkg/tetex>  
MIRROR: <https://mirror.ctan.org/obsolete/systems/unix/teTeX>
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- Ewasiuk, Kale. *The autopuncitems package. Automatically punctuate lists*. 2022-04-16. LICENSE: mit. This package provides the option in the environments , , and to automatically punctuate the items. It uses lua pattern matching to modify the environment's contents.  
URL: <https://ctan.org/pkg/autopuncitems>  
MIRROR: <https://mirror.ctan.org/macros/luatex/latex/autopuncitems>
- *The lutabulartools package. Some useful LuaLaTeX-based tabular tools*. 2021-09-11. LICENSE: mit. This package provides some useful commands for tabular matter. It uses LuaL<sup>A</sup>T<sub>E</sub>X and offers the ability to combine the facilities of and with an easy to use syntax. It also adds some enhanced rules for the package.  
URL: <https://ctan.org/pkg/lutabulartools>  
MIRROR: <https://mirror.ctan.org/macros/luatex/generic/lutabulartools>
  - *The penlight package. Penlight Lua libraries made available to LuaL<sup>A</sup>T<sub>E</sub>X users*. 2022-10-25. LICENSE: mit. This LuaL<sup>A</sup>T<sub>E</sub>X package provides a wrapper to use the Lua libraries with LuaLaTeX, with some extra functionality added.  
URL: <https://ctan.org/pkg/penlight>  
MIRROR: <https://mirror.ctan.org/macros/luatex/generic/penlight>

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- Fairbairns, Robin. *The scriptfonts package. A summary of mathematical script fonts for L<sup>A</sup>T<sub>E</sub>X users*. 2019-09-27. LICENSE: lppl  
 URL: <https://ctan.org/pkg/scriptfonts>  
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 URL: <https://ctan.org/pkg/texfaq>
- Fairbairns, Robin and Karl Berry. *The tugboat package. L<sup>A</sup>T<sub>E</sub>X macros for TUGboat articles*. 2023-03-09. Version 2.29. LICENSE: lppl1.3  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tugboat>
- Fairbairns, Robin and David Carlisle. *The bold-extra package. Use bold small caps and typewriter fonts*. 2018-09-14. Version 0.1. LICENSE: lppl. Allows access to ‘extra’ bold fonts for Computer Modern OT1 encoding (the fonts are available in ). Since there is more than one bold tt-family font set, the version required is selected by a package option.  
 URL: <https://ctan.org/pkg/bold-extra>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bold-extra>
- *The capt-of package. Captions on more than floats*. 2018-09-14. LICENSE: lppl  
 URL: <https://ctan.org/pkg/capt-of>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/capt-of>
  - *The captdef package. Declare free-standing \caption commands*. 2018-09-15. LICENSE: lppl. The command defines a class of caption command associated with the counter specified to the command. These commands are free-standing (i.e., don’t need to be inside a float environment). The package uses to define and , which can be used outside figure or table environments.  
 URL: <https://ctan.org/pkg/captdef>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/captdef>
  - *The checklab package. A patch for the label-checking code*. 2018-09-13. LICENSE: pd  
 URL: <https://ctan.org/pkg/checklab>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fragments/checklab.tex>
  - *The fixfoot package. Multiple use of the same footnote text*. 2018-09-15. Version 0.3a. LICENSE: lppl. Provides a command to provide a single command for a frequently-used footnote. The package ensures that only one instance of the footnote text appears on each page (L<sup>A</sup>T<sub>E</sub>X needs to be run several times to achieve this).  
 URL: <https://ctan.org/pkg/fixfoot>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fixfoot>
  - *The fncylab package. Alter the format of \label references*. 2019-09-13. Version 1.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/fncylab>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fncylab>
  - *The oldstyle package. Old style numbers in OT1 encoding*. 2018-09-15. Version 0.2. LICENSE: lppl. Font information needed to load the and fonts for use to produce oldstyle numbers.  
 URL: <https://ctan.org/pkg/oldstyle>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oldstyle>
  - *The secdot package. Section numbers with trailing dots*. 2018-09-15. Version 1.0. LICENSE: lppl. Makes the numbers of commands come out with a trailing dot. Includes a command whereby the same can be made to happen with other sectioning commands.  
 URL: <https://ctan.org/pkg/secdot>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/secdot>
  - *The subscript package. Provides the \textsubscript command*. 2018-09-13. LICENSE: lppl  
 URL: <https://ctan.org/pkg/subscript>  
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URL: <https://ctan.org/pkg/topcapt>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/misc/topcapt.sty>
- *The verbbdef package. Define commands which expand to verbatim text*. 2018-09-15. Version 0.2. LICENSE: lppl. The package defines a single command (which has a `*`-form, like `\verb`). It will define a robust command whose body expands to verbatim text. By using commands defined by `\verb`, one can put verbatim text into the arguments of commands; since the defined command is robust, it doesn't matter if the argument is moving. (Full details of syntax and caveats about use are in comments in the file itself.)  
URL: <https://ctan.org/pkg/verbbdef>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/verbbdef>
  - *The vmspell package. A spell-checker for VMS systems*. 2018-09-15. LICENSE: pd  
URL: <https://ctan.org/pkg/vmspell>  
MIRROR: <https://mirror.ctan.org/support/vmspell>
- Fairbairns, Robin, Angus Duggan, Rainer Schöpf, Victor Eijkhout, and David Carlisle. *The moreverb package. Extended verbatim*. 2018-09-14. Version 2.3a. LICENSE: lppl  
URL: <https://ctan.org/pkg/moreverb>  
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- Fairbairns, Robin and Frank Mittelbach. *The footmisc package. A range of footnote options*. 2022-03-08. Version 6.0d. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/footmisc>  
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URL: <https://ctan.org/pkg/parskip>  
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URL: <https://ctan.org/pkg/rotating>  
MIRROR: <https://mirror.ctan.org/macros/latex/required/graphics>
- Fairbairns, Robin and Christina Thiele. *The nrc package. Class for the NRC technical journals*. 2016-06-24. Version 2.01a. LICENSE: lppl. Macros, and some documentation, for typesetting papers for submission to journals published by the National Research Council Research Press. At present, only (for two-column layout) should be used.  
URL: <https://ctan.org/pkg/nrc>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/nrc>
- Fairman, Randall. *The figput package. Create interactive figures in L<sup>A</sup>T<sub>E</sub>X*. 2022-07-26. Version 0.90. LICENSE: cc-by-sa-4  
URL: <https://ctan.org/pkg/figput>  
MIRROR: <https://mirror.ctan.org/graphics/figput>
- Faist, Philippe. *The phfcc package. Convenient inline commenting in collaborative documents*. 2021-10-15. Version 2.0. LICENSE: lppl1.3. Easily define helper macros to insert comments in a L<sup>A</sup>T<sub>E</sub>X document. A convenient syntax enables you to mark text additions (e.g., “” or “”), an in-line comment (e.g., “”), and text removals (e.g., “”). New colors are assigned automatically to each commenter by default, and the appearance of all comments is highly customizable.  
URL: <https://ctan.org/pkg/phfcc>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/phfcc>
- *The phfextendedabstract package. Typeset extended abstracts for conferences, such as often encountered in quantum information theory*. 2021-09-11. Version 1.0. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/phfextendedabstract>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/phfextendedabstract>
  - *The phffullpagefigure package. Figures which fill up a whole page*. 2017-04-18. Version 1.0. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/phffullpagefigure>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/phffullpagefigure>

- Faist, Philippe. *The phfnote package. Basic formatting for short documents*. 2021-10-11. Version 4.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/phfnote>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/phfnote>
- *The phfparen package. Parenthetic math expressions made simpler and less redundant*. 2017-04-18. Version 1.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/phfparen>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/phfparen>
  - *The phfqit package. Macros for typesetting Quantum Information Theory*. 2021-10-11. Version 4.1. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/phfqit>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/phfqit>
  - *The phfquotetext package. Quote verbatim text without white space formatting*. 2017-04-18. Version 1.0. LICENSE: lppl1.3. This package provides an environment for displaying block text with special characters, such as verbatim quotes from a referee report which may contain pseudo-(La)TeX code. This behaves like a environment, except that it displays its content as normal paragraph content, ignoring any white space preformatting.  
 URL: <https://ctan.org/pkg/phfquotetext>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/phfquotetext>
  - *The phfsvnwatermark package. Watermarks with version control information from SVN*. 2017-04-18. Version 1.0. LICENSE: lppl1.3. This package allows you to add version control information as a gray watermark on each page of your document. The SVN info is read from keyword tags such as , , and via the or packages.  
 URL: <https://ctan.org/pkg/phfsvnwatermark>  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/chessboard>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/chessfss>
- *The citeall package. Cite all entries of a bbl created with BibLaTeX.* 2023-03-09. Version 1.4. LICENSE: lpl1.3. This small package allows to cite all entries of a -file created with (v1.9).  
 URL: <https://ctan.org/pkg/citeall>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/citeall>
- *The combofont package. Add NFSS-declarations of combo fonts to LuaL<sup>A</sup>T<sub>E</sub>X documents.* 2023-03-09. Version 0.3. LICENSE: lpl1.3c  
 URL: <https://ctan.org/pkg/combofont>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/latex/combofont>
- *The enpassant package. Enpassant chess font support.* 2023-03-09. Version 1.1. LICENSE: lpl. The package contains the necessary files to use free chess fonts from the (or on CTAN), with (La)TeX. For some of the fonts the pfb-file is also part of the package, or is available elsewhere on CTAN. For others the pfb must be made from the original ttf from the enpassant site. Instructions about the conversion and the use of the font can be found in the documentation of chessfss.  
 URL: <https://ctan.org/pkg/enpassant>  
 MIRROR: <https://mirror.ctan.org/fonts/chess/enpassant>
- *The fontloader-luaotfload package. Alternative fontloaders for luaotfload.* 2023-03-09. Version 1.0. LICENSE: lpl1.3c  
 URL: <https://ctan.org/pkg/fontloader-luaotfload>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/luatex/generic/fontloader-luaotfload>
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 URL: <https://ctan.org/pkg/newpax>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/newpax>
- *The returntograd package. Semi-automatic grid typesetting.* 2023-03-09. Version 0.2. LICENSE: lpl1.3c. offers a few commands to get something like an simple, semi-automatic grid typesetting. It does more or less what the existing package does. The main differences to are that works also with LuaL<sup>A</sup>T<sub>E</sub>X and that it has also a command to do some horizontal movements to get to “tab” positions.  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/returntograd>



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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tagpdf>
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 URL: <https://ctan.org/pkg/copyrightbox>  
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 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikzpeople>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/french>
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 URL: <https://ctan.org/pkg/concmath-otf>  
 MIRROR: <https://mirror.ctan.org/fonts/concmath-otf>
  - *The erewhon-math package. Utopia based OpenType Math font*. 2023-03-31. Version 0.60. LICENSE: ofl,lppl1.3. OpenType version of the Type1 fonts designed by Michel Bovani.  
 URL: <https://ctan.org/pkg/erewhon-math>  
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 URL: <https://ctan.org/pkg/euler-math>  
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 MIRROR: <https://mirror.ctan.org/fonts/kpfonts-otf>
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 URL: <https://ctan.org/pkg/lettrine>  
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 URL: <https://ctan.org/pkg/reverxii>  
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 MIRROR: <https://mirror.ctan.org/graphics/bookshelf>
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 MIRROR: <https://mirror.ctan.org/support/classpack>
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 URL: <https://ctan.org/pkg/decorule>  
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 URL: <https://ctan.org/pkg/centerlastline>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/centerlastline>
- *The mailmerge package. Repeating text field substitution.* 2016-06-24. Version 1.0. LICENSE: lppl1.2  
 URL: <https://ctan.org/pkg/mailmerge>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mailmerge>
  - *The numberpt package. Counters spelled out in Portuguese.* 2019-07-21. Version 1.0. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/numberpt>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/numberpt>
  - *The ordinalpt package. Counters as ordinal numbers in Portuguese.* 2016-06-24. Version 2.1. LICENSE: lppl. The package provides a counter style (like `\the\c@`, and others) which produces as output strings like “primeiro” (“first” in Portuguese), “segundo” (second), and so on up to 1999th. Separate counter commands are provided for different letter case variants, and for masculine and feminine gender inflections.  
 URL: <https://ctan.org/pkg/ordinalpt>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ordinalpt>
  - *The pagecont package. Page numbering that continues between documents.* 2016-06-24. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/pagecont>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pagecont>
  - *The timbreicmc package. Typeset documents with ICMC/USP watermarks.* 2019-01-17. Version 2.0. LICENSE: lppl1.3c  
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 MIRROR: <https://mirror.ctan.org/biblio/bibtex/utils/bib2dvi>
- Free Software Foundation. *The texinfo package. Texinfo documentation system.* 2021-07-13. Version 6.8. LICENSE: gpl  
 URL: <https://ctan.org/pkg/texinfo>  
 MIRROR: <https://mirror.ctan.org/macros/texinfo/texinfo>
- *The texinfo-latest package. Current releases of texinfo.tex and texi2dvi.* 2021-07-13. LICENSE: gpl. The bundle offers the latest official releases of the macro file, the scripts, and support file, as posted on <https://www.gnu.org/software/texinfo/>. These files are often updated between full releases of the full package. See the the full package for documentation.  
 URL: <https://ctan.org/pkg/texinfo-latest>  
 MIRROR: <https://mirror.ctan.org/macros/texinfo/latest>
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 URL: <https://ctan.org/pkg/aurora>  
 MIRROR: <https://mirror.ctan.org/support/aurora>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fancyhandout>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/beamer-contrib/hackthefootline>
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URL: <https://ctan.org/pkg/lualatex-truncate>  
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URL: <https://ctan.org/pkg/mensa-tex>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mensa-tex>
  - *The pdfpc-movie package. Pdfpc viewer-compatible hyperlinks to movies*. 2018-07-23. Version 1.0. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/pdfpc-movie>  
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MIRROR: <https://mirror.ctan.org/macros/texinfo/latest>
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URL: <https://ctan.org/pkg/lparse>  
MIRROR: <https://mirror.ctan.org/macros/luatex/generic/lparse>
  - *The luakeys package. A Lua module for parsing key-value options*. 2023-01-13. Version 0.13.0. LICENSE: lppl1.3c. This package provides a Lua module that can parse key-value options like the T<sub>E</sub>X packages , , , etc. , however, accomplishes this task entirely by using the Lua language and does not rely on T<sub>E</sub>X. Therefore this package can only be used with the T<sub>E</sub>X engine . Since luakeys uses , the parsing mechanism should be pretty robust.  
URL: <https://ctan.org/pkg/luakeys>  
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URL: <https://ctan.org/pkg/texdepend>  
MIRROR: <https://mirror.ctan.org/support/texdepend>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/democodetools>
- *The ufrgscca package. A bundle for undergraduate students final work/report (tcc) at UFRGS/EE*. 2023-01-28. Version 1.0.8. LICENSE: lppl1.3c,gpl. This bundled is aimed at producing undergraduate students’ final work/report at UFRGS/EE (Engineering School at the Federal University of Rio Grande do Sul), closely following ABNT rules (Brazilian Association for Technical Norms). It is composed of a main class, , and a set of auxiliary packages, some of which can be used independently.  
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MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/slem.sty>
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 URL: <https://ctan.org/pkg/mycv>  
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 MIRROR: <https://mirror.ctan.org/graphics/mma2ltx>
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 URL: <https://ctan.org/pkg/barracuda>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/generic/barracuda>
- *The calctab package. Language for numeric tables*. 2016-06-24. Version 0.6.1. LICENSE: lpl. The calctab package helps the user to typeset a kind of economic table such as invoices, expense notes and liquidation, or other tabular material with a values column. The code computes sum and percentage with floating point numeric methods (using the package) and builds the render table task.  
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 The package provides a means of labelling diagrams each produced as a Metafont character in a ‘font’ which is produced using the Metafont package. L<sup>A</sup>T<sub>E</sub>X passes data to Metafont (by ordinary L<sup>A</sup>T<sub>E</sub>X file-writing mechanisms), and Metafont writes stuff into its log-file, which must then be extracted into a different file so that L<sup>A</sup>T<sub>E</sub>X can see it.  
 URL: <https://ctan.org/pkg/diagramf>  
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- Giese, Martin and Herbert Voß. *The pst-blur package. PSTricks package for “blurred” shadows*. 2016-06-24. Version 2.0. LICENSE: lppl.  
 Pst-blur is a package built for use with . It provides macros that apply blurring to the normal shadow function of PSTricks.  
 URL: <https://ctan.org/pkg/pst-blur>  
 MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-blur>
- *The pst-slpe package. Sophisticated colour gradients*. 2018-09-15. Version 1.31. LICENSE: lppl. This package covers all the colour gradient functionality of pst-grad (part of the base PSTricks distribution), and provides the following facilities:  
 URL: <https://ctan.org/pkg/pst-slpe>  
 MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-slpe>
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 MIRROR: <https://mirror.ctan.org/dviware/dvisvgm>
- Gil, Yossi. *The addindex package. Add index entries to L<sup>A</sup>T<sub>E</sub>X document*. 2016-06-24. LICENSE: noinfo. Addindex is C/Lex program to add index entries to a L<sup>A</sup>T<sub>E</sub>X document. You start with a ‘names database’, which looks like the section of a BibTeX database; addindex scans your L<sup>A</sup>T<sub>E</sub>X file for strings in the database, and adds commands for each match.  
 URL: <https://ctan.org/pkg/addindex>  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bashful>
  - *The unisugar package. Define syntactic sugar for Unicode L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. Version 0.92. LICENSE: lppl1.3  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/skills>
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 URL: <https://ctan.org/pkg/piechart>  
 MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/piechart>
- *The pst-fr3d package. Draw 3-dimensional framed boxes using PSTricks.* 2016-06-24. Version 1.10. LICENSE: lppl. A package using to draw three dimensional framed boxes using a macro . The macro is especially useful for drawing 3d-seeming buttons.  
 URL: <https://ctan.org/pkg/pst-fr3d>  
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MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-gantt>
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MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-gr3d>
  - *The pst-ob3d package. Three dimensional objects using PSTricks*. 2020-03-24. Version 0.22. LICENSE: lppl. The package uses to provide basic three-dimensional objects. As yet, only cubes (which can be deformed to rectangular parallelepipeds) and dies (which are only a special kind of cubes) are defined.  
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MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-ob3d>
  - *The pst-poly package. Polygons with PSTricks*. 2018-09-15. Version 1.63. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-poly>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-poly>
- Gjelstad, Ellef. *The UML package. UML diagrams in L<sup>A</sup>T<sub>E</sub>X*. 2018-09-15. Version 0.11. LICENSE: lppl  
URL: <https://ctan.org/pkg/uml>  
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URL: <https://ctan.org/pkg/shadbox>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/shadbox>
- *The tracking package. Adjust tracking of strings*. 2019-06-21. LICENSE: other-nonfree  
URL: <https://ctan.org/pkg/tracking>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tracking/tracking.sty>
- Gleason, Jonathan. *The eqnnumwarn package. Modifies the amsmath equation environments to warn for a displaced equation number*. 2018-01-07. Version 1.0. LICENSE: lppl1.3. Sometimes an equation is too long that an equation number will be typeset below the equation itself, but yet not long enough to yield an “overfull \hbox” warning. The package modifies the standard amsmath numbered equation environments to throw a warning whenever this occurs.  
URL: <https://ctan.org/pkg/eqnnumwarn>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/eqnnumwarn>
- Glenn, Paulley. *The chicago package. A “Chicago” bibliography style*. 2016-06-24. LICENSE: other-free  
URL: <https://ctan.org/pkg/chicago>  
MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/chicago>
- *The chicagoo package. “Chicago” bibliography style with annotations*. 2016-06-24. LICENSE: other-free. This is a modification of the author’s style, to support an ‘annotation’ field in bibliographies.  
URL: <https://ctan.org/pkg/chicagoo>  
MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/misc/chicagoo.bst>
- Gliboff, Sander. *The biblatex-historian package. A BibL<sup>A</sup>T<sub>E</sub>X style*. 2016-06-24. Version 0.4. LICENSE: lppl  
URL: <https://ctan.org/pkg/biblatex-historian>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-historian>
- Glonti, Nana. *The glonti package. Virtual fonts for T2A-encoded fonts*. 2016-06-24. Version 1.0. LICENSE: noinfo. The package ‘makes’ a T2A-encoded font family from the and the fonts, by means of a set of virtual fonts.  
URL: <https://ctan.org/pkg/glonti>  
MIRROR: <https://mirror.ctan.org/fonts/cyrillic/glonti>
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URL: <https://ctan.org/pkg/cmcyr>  
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URL: <https://ctan.org/pkg/pstoeedit>  
MIRROR: <https://mirror.ctan.org/support/pstoeedit>
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 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/italic.sty>
- Goatley, Hunter. *The newsltr package. Macros for making newsletters with Plain T<sub>E</sub>X*. 2016-06-18. LICENSE: other-free  
 URL: <https://ctan.org/pkg/newsltr>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/newsltr>
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 URL: <https://ctan.org/pkg/savesym>  
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 URL: <https://ctan.org/pkg/figsinltx>  
 MIRROR: <https://mirror.ctan.org/obsolete/info/figsinltx.ps>
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 URL: <https://ctan.org/pkg/ltablex>  
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 URL: <https://ctan.org/pkg/autoview>  
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 URL: <https://ctan.org/pkg/lshort-polish>  
 MIRROR: <https://mirror.ctan.org/info/lshort/polish>
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 URL: <https://ctan.org/pkg/redis>  
 MIRROR: <https://mirror.ctan.org/fonts/redis>
- Goldberg, Jeffrey and Axel Sommerfeldt. *The endfloat package. Move floats to the end, leaving markers where they belong*. 2020-11-25. Version 2.7. LICENSE: gpl. Place all floats on pages by themselves at the end of the document, optionally leaving markers like “[Figure 3 about here]” in the text near to where the figure (or table) would normally have occurred. Float types are recognised by the package, unmodified. Since several packages define other types of float, it is possible to register these float types with endfloat.  
 URL: <https://ctan.org/pkg/endfloat>  
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 URL: <https://ctan.org/pkg/ulsy>  
 MIRROR: <https://mirror.ctan.org/fonts/ulsy>
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MIRROR: <https://mirror.ctan.org/fonts/ps-type1/ulsy>
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URL: <https://ctan.org/pkg/shapepatch>  
MIRROR: <https://mirror.ctan.org/graphics/transfig-shapepatch/shape-patch.3.2.4-shape-1.1.tar.gz>
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- URL: <https://ctan.org/pkg/pgf-periodictable>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/pgf-periodictable>
- *The pgf-spectra package. Draw continuous or discrete spectra using PGF/TikZ*. 2023-02-21. Version 2.2.0. LICENSE: lpl1.3  
URL: <https://ctan.org/pkg/pgf-spectra>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/pgf-spectra>
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MIRROR: <https://mirror.ctan.org/graphics/metapost/contrib/macros/featpost>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/interactiveanimation>
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- URL: <https://ctan.org/pkg/latex4jed>  
MIRROR: <https://mirror.ctan.org/support/jed/latex4jed>
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URL: <https://ctan.org/pkg/latex4musicians>  
MIRROR: <https://mirror.ctan.org/info/latex4musicians>
  - *The latex4wp package. A L<sup>A</sup>T<sub>E</sub>X guide specifically designed for word processor users*. 2016-06-24. Version 1.0.10. LICENSE: fdl  
URL: <https://ctan.org/pkg/latex4wp>  
MIRROR: <https://mirror.ctan.org/info/latex4wp>
  - *The latex4wp-it package. L<sup>A</sup>T<sub>E</sub>X guide for word processor users, in Italian*. 2016-06-24. Version 1.0.10. LICENSE: fdl. The package provides a version of the in Italian  
URL: <https://ctan.org/pkg/latex4wp-it>  
MIRROR: <https://mirror.ctan.org/info/latex4wp-it>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/basicarith>
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URL: <https://ctan.org/pkg/catechis>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/catechis>
  - *The clrdblpg package. Control pagestyle of pages left blank by \cleardoublepage*. 2018-05-07. Version 1.0. LICENSE: lpl1.3. This tiny package allows easy manipulation of the headers and footers on pages left blank by . By default, L<sup>A</sup>T<sub>E</sub>X has no easy facilities for this. This package uses more or less the algorithm listed in the package documentation, with some better indentation and added flexibility.  
URL: <https://ctan.org/pkg/clrdblpg>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/clrdblpg>
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URL: <https://ctan.org/pkg/colophon>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/colophon>

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 URL: <https://ctan.org/pkg/dozenal>  
 MIRROR: <https://mirror.ctan.org/fonts/dozenal>
- *The drm package. A complete family of fonts written in Metafont*. 2016-06-24. Version 4.4. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/drm>  
 MIRROR: <https://mirror.ctan.org/fonts/drm>
  - *The liturg package. Support for typesetting Catholic liturgical texts*. 2016-06-24. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/liturg>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/liturg>
  - *The lroundrect package. L<sup>A</sup>T<sub>E</sub>X macros for utilizing the roundrect MetaPost routines*. 2016-06-24. Version 1.0. LICENSE: lppl1.3. This L<sup>A</sup>T<sub>E</sub>X package provides ways to use the extremely configurable rounded rectangles of the MetaPost package with L<sup>A</sup>T<sub>E</sub>X. It is chiefly useful for examples, but also has macros for particular types of boxes which are useful on their own.  
 URL: <https://ctan.org/pkg/lroundrect>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/lroundrect>
  - *The modulus package. A non-destructive modulus and integer quotient operator for T<sub>E</sub>X*. 2018-05-05. Version 1.0. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/modulus>  
 MIRROR: <https://mirror.ctan.org/macros/generic/modulus>
  - *The padcount package. Pad numbers with arbitrary characters*. 2018-05-07. Version 1.0. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/padcount>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/padcount>
  - *The poetry package. Facilities for typesetting poetry and poetical structure*. 2019-12-14. Version 2.2. LICENSE: lppl1.3c. This package provides some macros and general doodads for typesetting poetry. There is, of course, already the excellent package, and the package provides some extra functionality on top of it. But provides much of the same functionality in a bit of a different way, and with a few additional abilities, such as facilities for a list of poems, an index of first lines, and some structural commands.  
 URL: <https://ctan.org/pkg/poetry>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/poetry>
  - *The roundrect package. MetaPost macros for highly configurable rounded rectangles (optionally with text)*. 2016-06-24. Version 2.2. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/roundrect>  
 MIRROR: <https://mirror.ctan.org/graphics/metapost/contrib/macros/roundrect>
  - *The shapes package. Draw polygons, reentrant stars, and fractions in circles with MetaPost*. 2016-06-24. Version 1.1. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/shapes>  
 MIRROR: <https://mirror.ctan.org/graphics/metapost/contrib/macros/shapes>
  - *The texdate package. Date printing, formatting, and manipulation in T<sub>E</sub>X*. 2018-12-09. Version 2.0. LICENSE: lppl1.3c. T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X provide few facilities for dates by default, though many packages have filled this gap. This package fills it, as well, with a pure T<sub>E</sub>X-primitive implementation. It can print dates, advance them by numbers of days, weeks, or months, determine the weekday automatically (with an algorithm cribbed from the file written by Martin Minow), and print them in (mostly) arbitrary format. It can also print calendars (monthly and yearly) automatically, and can be easily localized for non-English languages.  
 URL: <https://ctan.org/pkg/texdate>  
 MIRROR: <https://mirror.ctan.org/macros/generic/texdate>
  - *The xellipsis package. Extremely configurable ellipses with formats for various style manuals*. 2018-04-16. Version 2.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/xellipsis>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xellipsis>
  - *The yaletter package. Extremely flexible macros for letters, envelopes, and label sheets*. 2017-01-03. Version 1.1. LICENSE: lppl1.3. The class provides extremely configurable macros for typesetting letters in any conceivable style. It provides facilities for maintaining easily-accessible databases of letterheads and addresses for repeat use. It further provides easy macros for envelopes and for label sheets. Finally, it provides some nice defaults for a few of the more common styles and sizes.  
 URL: <https://ctan.org/pkg/yaletter>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/yaletter>
- Goossens, Michel. *The cyrtug package. EmT<sub>E</sub>X as distributed by CyrTUG*. 2016-06-24. LICENSE: noinfo. The CyrTUG distribution of files for use with . (CyrTUG is the Cyrillic-alphabet T<sub>E</sub>X users’ group; apart from the fonts, there are several other files to support Cyrillic users.)  
 URL: <https://ctan.org/pkg/cyrtug>  
 MIRROR: <https://mirror.ctan.org/systems/msdos/emtex-contrib/cyrtug>

- Goossens, Michel and Sebastian Rahtz. *The mm package. A jiffy Multiple Master tool*. 2016-06-24. LICENSE: noinfo. A set of simple scripts and programs for deriving instances from Adobe Multiple Master fonts for use with . The scripts use to derive metrics, etc.  
 URL: <https://ctan.org/pkg/mm>  
 MIRROR: <https://mirror.ctan.org/fonts/utilities/mm>
- *The webcomp-errata package. Errata list for The L<sup>A</sup>T<sub>E</sub>X Web Companion*. 2016-10-18. LICENSE: lppl  
 URL: <https://ctan.org/pkg/webcomp-errata>  
 MIRROR: <https://mirror.ctan.org/macros/latex/base>
- Goot, Marcel van der. *The boxit-ltx package. An environment for boxing things*. 2016-06-24. LICENSE: noinfo. The package defines a boxit environment that draws lines around its contents. The environment can box things like verbatim text, unlike the that originally appeared in the T<sub>E</sub>Xbook.  
 URL: <https://ctan.org/pkg/boxit-ltx>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/boxit.sty>
- *The midnight package. A set of useful macro tools*. 2016-06-24. LICENSE: other-free  
 URL: <https://ctan.org/pkg/midnight>  
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 URL: <https://ctan.org/pkg/hobete>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/beamer-contrib/themes/hobete>
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 URL: <https://ctan.org/pkg/tikz-nef>  
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 URL: <https://ctan.org/pkg/bibtexperl1ibs>  
 MIRROR: <https://mirror.ctan.org/support/bibtexperl1ibs>
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 URL: <https://ctan.org/pkg/biblatex-lncs>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-lncs>
- Götz, Thomas. *The asc2tex package. Retrieve text from screenshots*. 2016-06-24. LICENSE: nosell  
 URL: <https://ctan.org/pkg/asc2tex>  
 MIRROR: <https://mirror.ctan.org/systems/msdos/asc2tex>
- Goulard, Frederic. *The prosper package. L<sup>A</sup>T<sub>E</sub>X class for high quality slides*. 2017-04-18. Version 1.0h. LICENSE: lppl1.2  
 URL: <https://ctan.org/pkg/prosper>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/prosper>
- Gouez, Geoffrey. *The cv4tw package. L<sup>A</sup>T<sub>E</sub>X CV class, with extended details*. 2017-04-18. Version 0.2. LICENSE: other-free  
 URL: <https://ctan.org/pkg/cv4tw>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cv4tw>
- Gough, Graham. *The muthesis package. Classes for University of Manchester Dept of Computer Science*. 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/muthesis>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/muthesis>
- Goulet, Vincent. *The actuarialangle package. Angle symbol denoting a duration in actuarial and financial notation*. 2019-06-13. Version 2.1. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/actuarialangle>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/actuarialangle>
- *The formation-latex-ul package. Introductory L<sup>A</sup>T<sub>E</sub>X course in French*. 2020-10-20. Version 2020.10. LICENSE: cc-by-4  
 URL: <https://ctan.org/pkg/formation-latex-ul>  
 MIRROR: <https://mirror.ctan.org/info/formation-latex-ul>
  - *The francais-bst package. Bibliographies conforming to French typographic standards*. 2016-06-24. Version 1.1. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/francais-bst>  
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/actuarialsymbol>
- Goutelle, Mathieu. *The ppr-prv package. Prosper preview*. 2016-06-24. Version 0.13c. LICENSE: lppl. This class is used with L<sup>A</sup>T<sub>E</sub>X presentations using the prosper class. ppr-prv stands for ‘Prosper Preview’. The aim of this class is to produce a printable version of the slides written with , with two slides per page.  
URL: <https://ctan.org/pkg/ppr-prv>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ppr-prv>
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URL: <https://ctan.org/pkg/palladam>  
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URL: <https://ctan.org/pkg/delimseasy>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/delimseasy>
- Grahn, Alexander. *The acroreloadpdf package. Reload-the-current-PDF utility for Adobe Reader on Unix systems*. 2016-06-24. LICENSE: pd  
URL: <https://ctan.org/pkg/acroreloadpdf>  
MIRROR: <https://mirror.ctan.org/support/acroreloadpdf>
- *The animate package. Create PDF and SVG animations from graphics files and inline graphics*. 2022-09-15. LICENSE: lppl. The package provides an interface to create portable, JavaScript driven PDF and SVG animations from sets of graphics files or from inline graphics, such as L<sup>A</sup>T<sub>E</sub>X picture environment, or generated pictures, or just from typeset text.  
URL: <https://ctan.org/pkg/animate>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/animate>
  - *The fixocgx package. Add support for dvips+ps2pdf, Xe<sub>L</sub>AT<sub>E</sub>X, dvipdfmx to the ocgx package*. 2018-06-12. Version 0.5. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/fixocgx>  
MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/fixocgx>
  - *The media4svg package. Multimedia inclusion for the dvisvgm backend*. 2022-10-12. Version 0.13. LICENSE: lppl  
URL: <https://ctan.org/pkg/media4svg>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/media4svg>
  - *The media9 package. Multimedia inclusion package with Adobe Reader-9/X compatibility*. 2022-08-04. Version 1.25. LICENSE: lppl  
URL: <https://ctan.org/pkg/media9>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/media9>
  - *The movie15 package. Multimedia inclusion package*. 2016-06-24. LICENSE: lppl  
URL: <https://ctan.org/pkg/movie15>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/movie15>
  - *The ocgx2 package. Drop-in replacement for ‘ocgx’ and ‘ocg-p’*. 2022-12-16. Version 0.56. LICENSE: lppl  
URL: <https://ctan.org/pkg/ocgx2>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ocgx2>
  - *The Portable MikTeX package. Instructions for setting up MikTeX on a portable device*. 2016-06-24. Version 1.05. LICENSE: fdl  
URL: <https://ctan.org/pkg/portable-miktex>  
MIRROR: <https://mirror.ctan.org/obsolete/info/MikTeX+Ghostscript+GSview+USB-drive-HOWTO.txt>
  - *The pst-ode package. Solving initial value problems for sets of Ordinary Differential Equations*. 2022-11-24. Version 0.18. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-ode>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-ode>
  - *The xsavebox package. Saveboxes for repeating content without code replication, based on PDF Form XObjects*. 2022-08-04. Version 0.18. LICENSE: lppl  
URL: <https://ctan.org/pkg/xsavebox>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xsavebox>
- Granade, Christopher. *The qsharp package. Syntax highlighting for the Q# language*. 2019-01-20. Version 0.3.1901.1401. LICENSE: lppl1.3c. The package provides syntax highlighting for the language, a domain-specific language for quantum programming.  
URL: <https://ctan.org/pkg/qsharp>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/qsharp>
- *The revquantum package. Hacks to make writing quantum papers for revtex4-1 less painful*. 2018-01-06. Version 0.11. LICENSE: lppl1.3. This package provides a number of useful hacks to solve common annoyances with the package, and to define notation in common use within quantum information. In doing so, it imports and configures a number of commonly-available and used



packages, and where reasonable, provides fallbacks. It also warns when users try to load packages which are known to be incompatible with .

URL: <https://ctan.org/pkg/revquantum>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/revquantum>

Granet, Elijah Z. *The coolfn package. Typeset long legal footnotes*. 2023-02-27. Version 1.1.0. LICENSE: lppl1.3c

URL: <https://ctan.org/pkg/coolfn>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/coolfn>

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URL: <https://ctan.org/pkg/luaquotes>

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URL: <https://ctan.org/pkg/textcsc>

MIRROR: <https://mirror.ctan.org/macros/unicodetex/latex/textcsc>

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MIRROR: [https://mirror.ctan.org/info/examples/Math\\_into\\_LaTeX-4](https://mirror.ctan.org/info/examples/Math_into_LaTeX-4)

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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/coordsys>
  - *The shortlst package. Compact lists by running several items per line*. 2016-06-24. Version 1.1. LICENSE: nosell  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/shortlst>
  - *The twoup1tx package. Print two virtual pages on each physical page*. 2016-06-24. Version 1.3. LICENSE: lppl  
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 URL: <https://ctan.org/pkg/spie>  
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- Happel, Patrick and Phelype Oleinik. *The lipsum package. Easy access to the Lorem Ipsum and other dummy texts*. 2021-09-20. Version 2.7. LICENSE: lppl1.3. This package gives you easy access to 150 paragraphs of the Lorem Ipsum dummy text provided by , plus a growing list of other dummy texts in different languages.  
 URL: <https://ctan.org/pkg/lipsum>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/lipsum>
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 URL: <https://ctan.org/pkg/flatex>  
 MIRROR: <https://mirror.ctan.org/support/flatex>
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 URL: <https://ctan.org/pkg/dad>  
 MIRROR: <https://mirror.ctan.org/language/arabic/dad>
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 URL: <https://ctan.org/pkg/patgen2-tutorial>  
 MIRROR: <https://mirror.ctan.org/info/patgen2-tutorial>
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 URL: <https://ctan.org/pkg/yfrak>  
 MIRROR: <https://mirror.ctan.org/fonts/gothic/yfrak>
  - *The ygoth package. Old German Gothic font*. 2017-01-21. LICENSE: pd  
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 URL: <https://ctan.org/pkg/bibtexu>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/bibtex-x>
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 URL: <https://ctan.org/pkg/omega>  
 MIRROR: <https://mirror.ctan.org/obsolete/systems/omega>
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 URL: <https://ctan.org/pkg/yhmth>  
 MIRROR: <https://mirror.ctan.org/fonts/yhmth>
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 URL: <https://ctan.org/pkg/cookingsymbols>  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bgteubner>
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 URL: <https://ctan.org/pkg/fnbreak>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fnbreak>
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 URL: <https://ctan.org/pkg/germbib>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/germbib>
  - *The ginpenc package. Modification of inputenc for German*. 2019-03-12. Version 1.0. LICENSE: l<sup>pl</sup>. If the is used and German umlauts are input directly, they are converted to the LICR representation (etc.). This breaks the sort algorithm of , for instance. Ginpenc converts umlauts and the sharp-s to the short forms defined by , e.g., instead, if the text is typeset in German.  
 URL: <https://ctan.org/pkg/ginpenc>  
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 URL: <https://ctan.org/pkg/hfbright>  
 MIRROR: <https://mirror.ctan.org/fonts/ps-type1/hfbright>
- *The hfoldsty package. Old style numerals with EC fonts*. 2019-03-12. Version 1.15. LICENSE: gpl. The hfoldsty package provides virtual fonts for using oldstyle (0123456789) figures with the European Computer Modern fonts. It does a similar job as the package by Sebastian Kirsch but includes a couple of improvements, i.e., better kerning with guillemets, and support for character protruding using the package.  
 URL: <https://ctan.org/pkg/hfoldsty>  
 MIRROR: <https://mirror.ctan.org/fonts/hfoldsty>
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 URL: <https://ctan.org/pkg/hhtensor>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hhtensor>
  - *The isodate package. Tune the output format of dates according to language*. 2019-03-12. Version 2.28. LICENSE: lppl  
 URL: <https://ctan.org/pkg/isodate>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/isodate>
  - *The kerntest package. Print tables and generate control files to adjust kernings*. 2019-03-12. Version 1.32. LICENSE: lppl  
 URL: <https://ctan.org/pkg/kerntest>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/kerntest>
  - *The latexfileversion package. Prints the version and date of a L<sup>A</sup>T<sub>E</sub>X class or style file*. 2019-03-12. Version 0.3. LICENSE: lppl  
 URL: <https://ctan.org/pkg/latexfileversion>  
 MIRROR: <https://mirror.ctan.org/support/latexfileversion>
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 URL: <https://ctan.org/pkg/leftidx>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/leftidx>
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 URL: <https://ctan.org/pkg/makebox>  
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  - *The nbaseprt package. Print numbers in non-decimal bases*. 2019-03-12. Version 0.11. LICENSE: lppl  
 URL: <https://ctan.org/pkg/nbaseprt>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/numprint>
  - *The numprint package. Print numbers with separators and exponent if necessary*. 2019-03-12. Version 1.39. LICENSE: lppl  
 URL: <https://ctan.org/pkg/numprint>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/numprint>
  - *The onlyamsmath package. Inhibit use of non-amsmath mathematics markup when using amsmath*. 2019-03-12. Version 0.20. LICENSE: lppl. This package inhibits the usage of plain T<sub>E</sub>X and (on demand) of standard L<sup>A</sup>T<sub>E</sub>X mathematics environments. This is useful for class writers who want to encourage their users to use the environments provided by the package.  
 URL: <https://ctan.org/pkg/onlyamsmath>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/onlyamsmath>
  - *The repeatindex package. Repeat items in an index after a page or column break*. 2019-03-12. Version 0.01. LICENSE: lppl  
 URL: <https://ctan.org/pkg/repeatindex>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/repeatindex>
  - *The slantsc package. Access different-shaped small-caps fonts*. 2019-03-12. Version 2.11. LICENSE: lppl. This package enables the use of small capitals in different font shapes, e.g., slanted or bold slanted for all fonts that provide appropriate font shapes. (Note that a separate file is needed to define font shapes such as ‘scl’ or ‘scit’.)  
 URL: <https://ctan.org/pkg/slantsc>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/slantsc>
  - *The subfloat package. Sub-numbering for figures and tables*. 2019-03-12. Version 2.14. LICENSE: lppl  
 URL: <https://ctan.org/pkg/subfloat>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/subfloat>
  - *The substr package. Deal with substrings in strings*. 2019-03-12. Version 1.2. LICENSE: lppl  
 URL: <https://ctan.org/pkg/substr>  
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 URL: <https://ctan.org/pkg/ttf-howto>  
 MIRROR: <https://mirror.ctan.org/info/TrueType>
- *The typogrid package. Print a typographic grid*. 2019-03-12. Version 0.21. LICENSE: lpppl  
 URL: <https://ctan.org/pkg/typogrid>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/typogrid>
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 URL: <https://ctan.org/pkg/warning>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/warning>
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 URL: <https://ctan.org/pkg/contour>  
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 URL: <https://ctan.org/pkg/miller>  
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 URL: <https://ctan.org/pkg/babelbib>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/babelbib>
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 This is a drawing package for circuit and duotensor diagrams within L<sup>A</sup>T<sub>E</sub>X documents. It consists of about eighty commands, calling on for support.  
 URL: <https://ctan.org/pkg/duotenzor>  
 MIRROR: <https://mirror.ctan.org/graphics/duotenzor>
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 URL: <https://ctan.org/pkg/libris>  
 MIRROR: <https://mirror.ctan.org/fonts/libris>
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 URL: <https://ctan.org/pkg/venturisadf>  
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 URL: <https://ctan.org/pkg/cmcyralt-ltx>  
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 URL: <https://ctan.org/pkg/messagebubbles>  
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 URL: <https://ctan.org/pkg/setspace>  
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 URL: <https://ctan.org/pkg/bibbuild>  
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URL: <https://ctan.org/pkg/maad>  
MIRROR: <https://mirror.ctan.org/info/maad>
- Hars, Florian. *The nestquot package. Alternate quotes between double and single with nesting*. 2016-06-24. LICENSE: other-free. Provides two new commands: `\nestleft` and `\nestright` for nesting left and right quotes that properly change between double and single quotes according to their nesting level. For example, the input will be typeset as if it had been entered as “Foo ‘bar’ blech”.  
URL: <https://ctan.org/pkg/nestquot>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/nestquot>
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MIRROR: <https://mirror.ctan.org/fonts/arev>
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MIRROR: <https://mirror.ctan.org/fonts/chess/bdfchess>
- Hassenpflug, Gernot. *The hwkatakana package. Half-width katakana fonts*. 2016-06-24. Version 1.0. LICENSE: gpl  
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URL: <https://ctan.org/pkg/glossaries-nynorsk>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/glossaries-nynorsk>
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URL: <https://ctan.org/pkg/abstbook>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/misc/abstbook.cls>
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URL: <https://ctan.org/pkg/obas>
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URL: <https://ctan.org/pkg/concrete-macros>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/misc/concrete.sty>
- *The escapeTeX package. Make plain text safe for use in L<sup>A</sup>T<sub>E</sub>X.* 2016-06-24. LICENSE: lppl  
URL: <https://ctan.org/pkg/escapetext>  
MIRROR: <https://mirror.ctan.org/support/escapeTeX>
  - *The first-packages package. A short list of go-to L<sup>A</sup>T<sub>E</sub>X packages, aimed at a beginner.* 2021-01-02. LICENSE: cc0  
URL: <https://ctan.org/pkg/first-packages>
  - *The Shaded theorems package. Theorem environments that are shaded.* 2020-01-08. LICENSE: lppl  
URL: <https://ctan.org/pkg/shadethm>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/shadethm>
  - *The style-showcase package. Make a web page to compare styles.* 2016-06-24. Version 1.0.0. LICENSE: pd  
URL: <https://ctan.org/pkg/style-showcase>  
MIRROR: [https://mirror.ctan.org/support/style\\_showcase](https://mirror.ctan.org/support/style_showcase)
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 URL: <https://ctan.org/pkg/chkfloat>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/chkfloat>
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 URL: <https://ctan.org/pkg/tex-ewd>  
 MIRROR: <https://mirror.ctan.org/macros/generic/tex-ewd>
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 URL: <https://ctan.org/pkg/tex-fpc>  
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 MIRROR: <https://mirror.ctan.org/info/lshort/finnish>
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 URL: <https://ctan.org/pkg/malayalam-obsolete>  
 MIRROR: <https://mirror.ctan.org/obsolete/language/malayalam>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/relenc>
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URL: <https://ctan.org/pkg/rtkinenc>  
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  - *The tcldoc package. Doc/docstrip for tcl*. 2016-07-19. Version 2.40. LICENSE: lppl. The tcldoc package and class simplify the application of the / style of literate programming with Dr. John Ousterhout's Tool Command Language (Tcl, pronounced "tickle", a.k.a. The Cool Language). The tcldoc package is a bit like the doc package is for L<sup>A</sup>T<sub>E</sub>X, whereas the tcldoc class more parallels the ltxdoc class.  
URL: <https://ctan.org/pkg/tcldoc>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tcldoc>
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URL: <https://ctan.org/pkg/cmoutlines>  
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 URL: <https://ctan.org/pkg/getitems>  
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- *The qrcode package. Generate QR codes in L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. Version 1.51. LICENSE: lppl1.3  
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 URL: <https://ctan.org/pkg/annee-scolaire>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/annee-scolaire>
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 URL: <https://ctan.org/pkg/clefval>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/clefval>
  - *The engpron package. Helps to type the pronunciation of English words*. 2016-06-24. Version 2. LICENSE: lppl  
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 URL: <https://ctan.org/pkg/engrec>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/engrec>
  - *The expose-expl3-dunkerque-2019 package. Using expl3 to implement some numerical algorithms*. 2020-04-11. Version 1.2. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/expose-expl3-dunkerque-2019>  
 MIRROR: <https://mirror.ctan.org/info/expose-expl3-dunkerque-2019>
  - *The modroman package. Write numbers in lower case roman numerals*. 2016-06-24. Version 1. LICENSE: lppl. This package provides only two macros viz. which writes the number given as argument in lower case roman numeral with a ‘j’ instead of a ‘i’ as the final letter of numbers greater than 1 and which writes the value of a counter in the same way. You use the first in the same way as the T<sub>E</sub>X primitive and the second as L<sup>A</sup>T<sub>E</sub>X command . The default option is ‘vpourv’ with which 5 is ‘translated’ as ‘v’ and option ‘upourv’ which the same 5 is given as ‘u’.  
 URL: <https://ctan.org/pkg/modroman>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/modroman>
  - *The nonumonpart package. Prevent page numbers on part pages*. 2016-06-24. Version 1. LICENSE: lppl1.2  
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 URL: <https://ctan.org/pkg/paresse>  
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  - *The simples-matrices package. Define matrices by given list of values*. 2022-07-03. Version 1.0.1. LICENSE: lppl1.3c  
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 URL: <https://ctan.org/pkg/marvosym>  
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 URL: <https://ctan.org/pkg/jneurosci>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/jneurosci>
- *The jphysiol package. Bib<sub>TeX</sub> style for the Journal of Physiology*. 2016-06-24. Version 1.0. LICENSE: lppl  
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 URL: <https://ctan.org/pkg/bpolynomial>  
 MIRROR: <https://mirror.ctan.org/graphics/metapost/contrib/macros/bpolynomial>
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 URL: <https://ctan.org/pkg/mcaption>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mcaption>
  - *The mpcolornames package. Extend list of predefined colour names for MetaPost*. 2018-01-06. Version 0.20. LICENSE: lppl. The format provides only five built-in colour names (variables), all of which are defined in the RGB model: red, green and blue for the primary colours and black and white. The package makes more than 500 colour names from different colour sets in different colour models available to MetaPost. Colour sets include X11, SVG, DVIPS and specifications.  
 URL: <https://ctan.org/pkg/mpcolornames>  
 MIRROR: <https://mirror.ctan.org/graphics/metapost/contrib/macros/mpcolornames>
  - *The semionese package. Put only special contents on left-hand pages in two sided layout*. 2016-06-24. Version 0.41. LICENSE: lppl  
 URL: <https://ctan.org/pkg/semionese>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/semionese>
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 URL: <https://ctan.org/pkg/spelling>  
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 URL: <https://ctan.org/pkg/latex2rtf>  
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URL: <https://ctan.org/pkg/economic>  
MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/economic>
- Hensel, Martin. *The mhchem package. Typeset chemical formulae/equations and H and P statements*. 2021-12-31. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/mhchem>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mhchem>
- Herpс, Sascha. *The tokenizer package. A tokenizer*. 2016-06-24. Version 1.1.0. LICENSE: lppl. A tokenizer for L<sup>A</sup>T<sub>E</sub>X. splits source into two tokens at the first encounter of a comma. The first token is saved in a newly created command with the name passed as and the second token likewise. A package option “ causes leading and trailing space to be removed from each token; with this option, the command is defined, which removes leading and trailing spaces from its argument.  
URL: <https://ctan.org/pkg/tokenizer>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tokenizer>
- Herrb, Mathieu. *The these package. Bibliography style for French theses*. 2016-06-24. LICENSE: other-free. The style is derived from the standard , with keywords translated and styles converted to French conventions.  
URL: <https://ctan.org/pkg/these>  
MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/misc/these.bst>
- Herz-Fischler, Roger. *The do-it-yourself-tex package. Back to Plain XeTeX*. 2019-03-19. Version 1.3. LICENSE: pd  
URL: <https://ctan.org/pkg/do-it-yourself-tex>  
MIRROR: <https://mirror.ctan.org/macros/xetex/plain/do-it-yourself-tex>
- Heslin, Peter J. *The ellipsis package. Fix uneven spacing around ellipses in L<sup>A</sup>T<sub>E</sub>X text mode*. 2020-06-04. Version 1.8. LICENSE: lppl1.3c. This is a simple package that fixes a problem in the way L<sup>A</sup>T<sub>E</sub>X handles ellipses: it always puts a tiny bit more space after in text mode than before it, which results in the ellipsis being off-center when used between two words.  
URL: <https://ctan.org/pkg/ellipsis>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ellipsis>
- *The ibycus-babel package. Use the Ibycus 4 Greek font with Babel*. 2016-06-24. Version 3.0. LICENSE: lppl. The package allows you to use the Ibycus 4 font for ancient Greek with Babel. It uses a Perl script to generate hyphenation patterns for Ibycus from those for the ordinary Babel encoding, . It sets up as a pseudo-language you can specify in the normal Babel manner. For proper hyphenation of Greek quoted in mid-paragraph, you should use it with (all current distributions of L<sup>A</sup>T<sub>E</sub>X are built with , so the constraint should not be onerous).  
URL: <https://ctan.org/pkg/ibycus-babel>  
MIRROR: <https://mirror.ctan.org/language/greek/ibycus-babel>
- Hetherington, Lee and Eddie Kohler. *The t1utils package. Simple Type 1 font manipulation programs*. 2017-04-18. LICENSE: pd. A collection of simple programs for manipulating Adobe Type 1 fonts, comprising: – : convert PFB (binary) to PFA (ascii) fonts; – : convert PFA to PFB fonts; – : convert PFA or PFB fonts to human-readable and -editable format; – : reassemble such editable formats to a font; – : extract font resources from a Macintosh font file; and – : generate a Macintosh font from a Type 1 font.  
URL: <https://ctan.org/pkg/t1utils>  
MIRROR: <https://mirror.ctan.org/fonts/utilities/t1utils>
- Hetland, Magnus Lie. *The abspos package. Absolute placement with coffins*. 2022-09-24. Version 0.1. LICENSE: mit  
URL: <https://ctan.org/pkg/abspos>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/abspos>
- *The pseudo package. Straightforward pseudocode*. 2023-03-21. Version 1.2.3. LICENSE: mit  
URL: <https://ctan.org/pkg/pseudo>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pseudo>
- *The skeldoc package. Placeholders for unfinished documents*. 2021-02-25. Version 0.1.2. LICENSE: mit  
URL: <https://ctan.org/pkg/skeldoc>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/skeldoc>
- Heuer, Johannes. *The la package. School handwriting fonts*. 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/la>  
MIRROR: <https://mirror.ctan.org/fonts/la>
- Heyl, Udo. *The china2e package. Font and macros for Chinese calendar*. 2019-06-21. LICENSE: nosell  
URL: <https://ctan.org/pkg/china2e>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/china2e>



- Heyl, Udo. *The morse package. Support for printing Morse code signs.* 2016-06-24. Version 1.0. LICENSE: nosell  
 URL: <https://ctan.org/pkg/morse>  
 MIRROR: <https://mirror.ctan.org/fonts/morse>
- Hicks, Stephen. *The inlinedef package. Inline expansions within definitions.* 2016-06-24. Version 1.0. LICENSE: lppl. The package provides a macro that precedes a or . Within the definition text of an inlined definition, keywords such as may be used to selectively inline certain expansions at definition-time. This eases the process of redefining macros in terms of the original definition, as well as definitions in which the token that must be expanded is deep within, where would be difficult and is not suitable. Another application is as an easier version of , by defining a macro in terms of expanded local variables, then ending the group with .  
 URL: <https://ctan.org/pkg/inlinedef>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/inlinedef>
- *The marginfix package. Patch \marginpar to avoid overfull margins.* 2020-05-07. Version 1.2. LICENSE: lppl. Authors using L<sup>A</sup>T<sub>E</sub>X to typeset books with significant margin material often run into the problem of long notes running off the bottom of the page. A typical workaround is to insert commands by hand, but this is a tedious process that is invalidated when pagination changes. Another workaround is 's function, but this can be unsatisfying for short textual notes, and standard marginpars cannot be mixed with sidebars. This package implements a solution to make marginpars “just work” by keeping a list of floating inserts and arranging them intelligently in the output routine.  
 URL: <https://ctan.org/pkg/marginfix>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/marginfix>
- Hilbig, André. *The bewerbung package. Typesetting job applications.* 2022-01-17. Version 1.3. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/bewerbung>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bewerbung>
- *The gitfile-info package. Get git metadata for a specific file.* 2019-08-21. Version 0.5. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/gitfile-info>  
 MIRROR: <https://mirror.ctan.org/support/gitfile-info>
- Hilbrich, Torsten. *The bbm-macros package. L<sup>A</sup>T<sub>E</sub>X support for “blackboard-style” cm fonts.* 2016-06-24. LICENSE: lppl. Provides L<sup>A</sup>T<sub>E</sub>X support for . Declares a font family bbm so you can in principle write running text in blackboard bold, and lots of math alphabets for using the fonts within maths.  
 URL: <https://ctan.org/pkg/bbm-macros>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bbm>
- Hill, Jörg-Rüdiger. *The chem-journal package. Various BibTeX formats for journals in Chemistry.* 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/chem-journal>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/chem-journal>
- Hill, Jörg-Rüdiger and Antonio Cervellino. *The jcc package. BibTeX style file for J. Comp. Chem.* 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/jcc>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/chem-journal/jcc.bst>
- Hillebrand, Thomas. *The hexdump package. Read and typeset ASCII hexdump files.* 2016-06-24. Version 0.1. LICENSE: other-nonfree  
 URL: <https://ctan.org/pkg/hexdump>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/misc/hexdump.sty>
- Hilléreau, Mael. *The alphabib package. Add alphabetical headers into citations.* 2016-06-24. Version 1.0. LICENSE: gpl  
 URL: <https://ctan.org/pkg/alphabib>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/utis/alphabib>
- *The shlatex package. L<sup>A</sup>T<sub>E</sub>X compilation script for Linux (written in Bash).* 2016-06-24. Version 1.2b. LICENSE: gpl  
 URL: <https://ctan.org/pkg/shlatex>  
 MIRROR: <https://mirror.ctan.org/support/shlatex>
- Himmelmann, Maurizio W., Emiliano Giovanni Vavassori, and Fabiano Busdraghi. *The GuIT-corso package. Introduzione al mondo di L<sup>A</sup>T<sub>E</sub>X.* 2016-06-24. Version 1.0. LICENSE: nocommercial  
 URL: <https://ctan.org/pkg/guit-corso>  
 MIRROR: [https://mirror.ctan.org/info/italian/GuIT/corso\\_guit](https://mirror.ctan.org/info/italian/GuIT/corso_guit)
- Hinque, Christian. *The theatre package. A sophisticated package for typesetting stage plays.* 2017-09-22. Version 0.1. LICENSE: lppl1.2  
 URL: <https://ctan.org/pkg/theatre>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/theatre>
- Hinrichs, Adrian C. *The cheatsheet package. A simple cheatsheet class.* 2017-08-20. Version 0.8. LICENSE: mit. The package provides a clean, multi-column design intended for cheat sheets. It imports the most useful packages and encloses the document in a environment.

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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cheatsheet>
- Hirschhorn, Philip S. *The amslatex-primer package. Getting up and running with AMS-LaTeX*. 2018-01-06. Version 2.3. LICENSE: lpl
- URL: <https://ctan.org/pkg/amslatex-primer>  
 MIRROR: <https://mirror.ctan.org/info/amslatex/primer>
- *The exam package. Package for typesetting exam scripts*. 2022-08-17. Version 2.7. LICENSE: lpl1.3  
 URL: <https://ctan.org/pkg/exam>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/exam>
- Hitomi, Shoma. *The hmtrump package. Describe card games*. 2019-08-06. Version 1.2a. LICENSE: cc-by-sa-4,other-free  
 URL: <https://ctan.org/pkg/hmtrump>  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mathexam>
- Hòa, Thái Phú Khánh. *The free-math-font-survey-vn package. The survey of available free Mathematics fonts, translated to Vietnamese*. 2016-06-24. LICENSE: lpl. This is a translation to Vietnamese of Stephen Hartke's .  
 URL: <https://ctan.org/pkg/free-math-font-survey-vn>  
 MIRROR: [https://mirror.ctan.org/info/Free\\_Math\\_Font\\_Survey/vn](https://mirror.ctan.org/info/Free_Math_Font_Survey/vn)
- Hobby, John and Vladimir Lidovski. *The mpman-ru package. A Russian translation of the MetaPost manual*. 2016-06-24. Version 1.004. LICENSE: other-free. A translation of the user manual, as distributed with itself.  
 URL: <https://ctan.org/pkg/mpman-ru>  
 MIRROR: <https://mirror.ctan.org/info/metapost/doc/russian/mpman-ru>
- Hoekwater, Taco. *The calendarweek package. Calculate the week number of a date*. 2016-06-24. LICENSE: pd  
 URL: <https://ctan.org/pkg/calendarweek>  
 MIRROR: <https://mirror.ctan.org/macros/generic/misc/calendarweek.tex>
- *The context-URWGothic package. ConTeXt support for URW Gothic*. 2022-03-22. LICENSE: pd  
 URL: <https://ctan.org/pkg/context-urwgothic>  
 MIRROR: <https://mirror.ctan.org/macros/context/contrib/context-urwgothic>
- Hoekwater, Taco and Daniel Flipo. *The context-lettrine package. A ConTeXt implementation of lettrines*. 2018-08-11. LICENSE: pd. This is a re-implementation of the L<sup>A</sup>T<sub>E</sub>X package .  
 URL: <https://ctan.org/pkg/context-lettrine>  
 MIRROR: <https://mirror.ctan.org/macros/context/contrib/context-lettrine>
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 URL: <https://ctan.org/pkg/wasy-type1>  
 MIRROR: <https://mirror.ctan.org/fonts/wasy-type1>
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 URL: <https://ctan.org/pkg/duerer>  
 MIRROR: <https://mirror.ctan.org/fonts/duerer>
- *The labtex package. Label diagrams produced in Metafont*. 2016-06-24. Version 0.9. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/labtex>  
 MIRROR: <https://mirror.ctan.org/macros/generic/labtex>
  - *The Makor 2 package. Typeset pointed Hebrew using Omega*. 2021-08-26. LICENSE: lpl  
 URL: <https://ctan.org/pkg/makor2>  
 MIRROR: <https://mirror.ctan.org/language/hebrew/makor>
  - *The mathinst package. Merge font families to create mathematical font sets*. 2016-06-24. LICENSE: gpl. A set of Perl and scripts to integrate mathematical fonts for use by (La)TeX using a family of Roman types and a set of raw math fonts (such as Euler, or the commercial MathTime or Lucida New Math fonts). All fonts are properly scaled for compatibility with the Roman fonts.  
 URL: <https://ctan.org/pkg/mathinst>  
 MIRROR: <https://mirror.ctan.org/fonts/utilities/mathinst>
  - *The mathkit package. Generate maths fonts to match outline fonts*. 2016-06-24. Version 0.7. LICENSE: gpl  
 URL: <https://ctan.org/pkg/mathkit>  
 MIRROR: <https://mirror.ctan.org/fonts/utilities/mathkit>
  - *The poetica package. Support for Adobe Poetica fonts in Type 1 format*. 2021-08-26. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/poetica>  
 MIRROR: <https://mirror.ctan.org/fonts/poetica>

- Hoening, Alan. *The vfirst package. Virtual font installation support*. 2016-06-24. Version 0.8. LICENSE: gpl. A set of scripts and Perl files which aim to make the installation of families of PostScript fonts and creation of necessary virtual fonts and outline fonts ‘virtually’ automatic. The scripts use .  
 URL: <https://ctan.org/pkg/vfirst>  
 MIRROR: <https://mirror.ctan.org/fonts/utilities/vfirst>
- Hoening, Stefan. *The chess-problem-diagrams package. A package for typesetting chess problem diagrams*. 2022-06-23. Version 1.21. LICENSE: lppl1.2  
 URL: <https://ctan.org/pkg/chess-problem-diagrams>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/chess-problem-diagrams>
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 URL: <https://ctan.org/pkg/schwalbe-chess>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/schwalbe-chess>
- Hoeven, Joris van der. *The TeXmacs package. Structured text editor for T<sub>E</sub>X*. 2017-04-18. Version 1.0.7.20. LICENSE: gpl  
 URL: <https://ctan.org/pkg/texmacs>  
 MIRROR: <https://mirror.ctan.org/support/TeXmacs>
- Hoffman, Joel M. *The listings-ext package. Automated input of source*. 2016-06-24. Version 67. LICENSE: lppl1.2  
 URL: <https://ctan.org/pkg/listings-ext>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/listings-ext>
- *The texchord package. Typeset guitar-chord diagrams*. 2016-06-24. Version 0.8. LICENSE: nocommercial  
 URL: <https://ctan.org/pkg/texchord>  
 MIRROR: <https://mirror.ctan.org/macros/generic/texchord>
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 URL: <https://ctan.org/pkg/struktex>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/struktex>
- Hoffmann, Jobst, Brooks Moses, and Carsten Heinz. *The listings package. Typeset source code listings using L<sup>A</sup>T<sub>E</sub>X*. 2023-02-27. Version 1.9. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/listings>  
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 URL: <https://ctan.org/pkg/skak>  
 MIRROR: <https://mirror.ctan.org/fonts/chess/skak>
- *The tikz-opm package. Typeset OPM diagrams*. 2016-06-24. Version 0.1.1. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/tikz-opm>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikz-opm>
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 URL: <https://ctan.org/pkg/aur1>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/aur1>
- Hofmann, Michael T. *The XTeXShell package. A shell/editor*. 2016-06-24. LICENSE: gpl2  
 URL: <https://ctan.org/pkg/xtexshell>  
 MIRROR: <https://mirror.ctan.org/support/xtexshell>
- Hofmann, Tom. *The annotation-pkg package. Suppress or permit annotations to a document*. 2016-06-24. LICENSE: noinfo. The package defines an environment, whose contents may be controlled by (to print the content, the default) or (to suppress the content).  
 URL: <https://ctan.org/pkg/annotation-pkg>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/annotation.sty>
- Hofstra, Silke. *The comicneue package. Use Comic Neue with T<sub>E</sub>X(-alike) systems*. 2020-04-26. Version 1.2. LICENSE: ofl  
 URL: <https://ctan.org/pkg/comicneue>  
 MIRROR: <https://mirror.ctan.org/fonts/comicneue>
- *The raleway package. Use Raleway with T<sub>E</sub>X(-alike) systems*. 2016-12-03. Version 1.4. LICENSE: ofl  
 URL: <https://ctan.org/pkg/raleway>  
 MIRROR: <https://mirror.ctan.org/fonts/raleway>
- *The sourcecodepro package. Use SourceCodePro with T<sub>E</sub>X(-alike) systems*. 2019-05-19. Version 2.7. LICENSE: ofl,lppl  
 URL: <https://ctan.org/pkg/sourcecodepro>  
 MIRROR: <https://mirror.ctan.org/fonts/sourcecodepro>

- Hofstra, Silke. *The SourceSansPro package. Use SourceSansPro with T<sub>E</sub>X(-alike) systems*. 2020-04-26. Version 2.8. LICENSE: ofl,lppl1.3  
 URL: <https://ctan.org/pkg/sourcesanspro>  
 MIRROR: <https://mirror.ctan.org/fonts/sourcesanspro>
- *The sourceserifpro package. Use SourceSerifPro with T<sub>E</sub>X(-alike) systems*. 2018-11-10. Version 1.4. LICENSE: ofl,lppl1.3  
 URL: <https://ctan.org/pkg/sourceserifpro>  
 MIRROR: <https://mirror.ctan.org/fonts/sourceserifpro>
  - Hoftich, Michal. *The biblatex-iso690 package. BibL<sup>A</sup>T<sub>E</sub>X style for ISO 690 standard*. 2022-03-21. Version 0.4.1. LICENSE: lppl1.3. The package provides a bibliography and citation style which conforms to the latest revision of the international standard ISO 690:2010. The implementation follows BibL<sup>A</sup>T<sub>E</sub>X conventions and requires  $\geq 3.4$  and  $\geq 2.5$ .  
 URL: <https://ctan.org/pkg/biblatex-iso690>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-iso690>
  - *The ctanbib package. Export CTAN entries to bib format*. 2023-02-21. Version 0.2b. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/ctanbib>  
 MIRROR: <https://mirror.ctan.org/support/ctanbib>
  - *The linebreaker package. Prevent overflow boxes with LuaLaTeX*. 2023-03-21. Version 0.1c. LICENSE: lppl1.3. This package tries to prevent overflow lines in paragraphs or boxes. It changes LuaTeX's callback and re-typesets the paragraph with increased values of and until the overflow no longer happens. If that doesn't help, it chooses the solution with the lowest badness.  
 URL: <https://ctan.org/pkg/linebreaker>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/latex/linebreaker>
  - *The Lua-UCA package. Unicode Collation Algorithm library for Lua*. 2021-11-10. Version 0.1b. LICENSE: mit  
 URL: <https://ctan.org/pkg/lua-uca>  
 MIRROR: <https://mirror.ctan.org/support/lualibs/lua-uca>
  - *The luavlna package. Prevent line breaks after single letter words, units, or academic titles*. 2023-03-29. Version 0.1k. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/luavlna>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/generic/luavlna>
  - *The luaxml package. Lua library for reading and serialising XML files*. 2021-10-07. Version 0.1q. LICENSE: other-free. LuaXML is a pure Lua library for reading and serializing XML files. The current release is aimed mainly at support for the package. The documentation was created by automatic conversion of original documentation in the source code.  
 URL: <https://ctan.org/pkg/luaxml>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/generic/luaxml>
  - *The make4ht package. A build system for tex4ht*. 2023-02-24. Version 0.3m. LICENSE: lppl1.3. is a simple build system for , a T<sub>E</sub>X to XML converter. It provides a command line tool that drives the conversion process. It also provides a library which can be used to create customized conversion tools.  
 URL: <https://ctan.org/pkg/make4ht>  
 MIRROR: <https://mirror.ctan.org/support/make4ht>
  - *The odsfile package. Read OpenDocument Spreadsheet documents as L<sup>A</sup>T<sub>E</sub>X tables*. 2022-12-13. Version 0.7. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/odsfile>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/latex/odsfile>
  - *The sectionbreak package. L<sup>A</sup>T<sub>E</sub>X support for section breaks*. 2019-03-11. Version 0.1d. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/sectionbreak>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/sectionbreak>
  - *The tex4ebook package. Converter from L<sup>A</sup>T<sub>E</sub>X to ebook formats*. 2023-03-17. Version 0.3j. LICENSE: lppl1.3. This is a bundle of Lua scripts and L<sup>A</sup>T<sub>E</sub>X packages for conversion of L<sup>A</sup>T<sub>E</sub>X files to ebook formats such as epub, mobi and epub3. is used as the conversion engine.  
 URL: <https://ctan.org/pkg/tex4ebook>  
 MIRROR: <https://mirror.ctan.org/support/tex4ebook>
  - *The uninormalize package. Unicode normalization support*. 2021-01-03. Version 0.1. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/uninormalize>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/latex/uninormalize>
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 URL: <https://ctan.org/pkg/pos-at>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/at.sty>
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 URL: <https://ctan.org/pkg/astron>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/astron>



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 URL: <https://ctan.org/pkg/dblfloatfix>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/dblfloatfix>
- Høgholm, Morten, Lars Madsen, Will Robertson, and Joseph Wright. *The mh package. Stub for the (old) ‘mh’ bundle*. 2016-06-24. LICENSE: lppl1.3. The mh bundle was a series of packages to enhance the appearance of documents containing a lot of maths; the package were designed to support and extend the L<sup>A</sup>T<sub>E</sub>X The packages (no longer distributed as a bundle) comprise:  
 URL: <https://ctan.org/pkg/mh>
- *The xfrac package. Split-level fractions in L<sup>A</sup>T<sub>E</sub>X2e\**. 2023-02-02. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/xfrac>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/l3packages>
- Høgholm, Morten, Lars Madsen, Will Robertson, Joseph Wright, and Michael J. Downes. *The flexisym package. Symbol manipulation for breqn*. 2021-10-28. Version 0.98l. LICENSE: lppl1.3  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/breqn>
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 MIRROR: <https://mirror.ctan.org/macros/generic/misc/epigram.tex>
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 URL: <https://ctan.org/pkg/landscape>  
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 URL: <https://ctan.org/pkg/mflogo209>  
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 URL: <https://ctan.org/pkg/varisize>  
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- *The bidi-atbegshi package. Bidi-aware shipout macros*. 2022-02-19. Version 0.2. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/bidi-atbegshi>  
 MIRROR: <https://mirror.ctan.org/macros/xetex/latex/bidi-atbegshi>
  - *The bidicontour package. Bidi-aware coloured contour around text*. 2019-09-08. Version 0.2. LICENSE: lppl1.3. The package is a re-implementation of the package, making it bidi-aware, and adding support of the (when the option of the package is used).  
 URL: <https://ctan.org/pkg/bidicontour>  
 MIRROR: <https://mirror.ctan.org/macros/xetex/latex/bidicontour>
  - *The bidihl package. Experimental bidi-aware text highlighting*. 2019-09-08. Version 0.1c. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/bidihl>  
 MIRROR: <https://mirror.ctan.org/macros/xetex/latex/bidihl>
  - *The bidipagegrid package. Bidi-aware page grid in background*. 2019-09-08. Version 0.2. LICENSE: lppl1.3. The package is based on .  
 URL: <https://ctan.org/pkg/bidipagegrid>  
 MIRROR: <https://mirror.ctan.org/macros/xetex/latex/bidipagegrid>
- Khalighi, Vafa and bidi-tex GitHub Organisation. *The bidipresentation package. Experimental bidi presentation*. 2019-09-08. Version 0.3. LICENSE: lppl1.3. A great portion of the code is borrowed from the bundle, with modifications to get things working properly in



both right to left and left to right modes.

URL: <https://ctan.org/pkg/bidipresentation>

MIRROR: <https://mirror.ctan.org/macros/xetex/latex/bidipresentation>

- *The bidishadowtext package. Bidi-aware shadow text.* 2019-09-08. Version 0.1. LICENSE: lppl1.3. This package allows you to typeset bidi-aware shadow text. It is a re-implementation of the package adding bidi support.

URL: <https://ctan.org/pkg/bidishadowtext>

MIRROR: <https://mirror.ctan.org/macros/xetex/latex/bidishadowtext>

- *The crbox package. Boxes with crossed corners.* 2019-09-08. Version 0.1. LICENSE: lppl. The package implements a command which produces boxes with crossing lines at the corners.

URL: <https://ctan.org/pkg/crbox>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/crbox>

- *The fahyph package. Hyphenation patterns for Persian (in Unicode).* 2019-09-08. Version 0.002. LICENSE: lppl

URL: <https://ctan.org/pkg/fahyph>

MIRROR: <https://mirror.ctan.org/language/hyphenation/fahyph>

- *The FriBidiXeTeX package. A pre-processor for XeTeX files to support unicode bidirectional algorithm.* 2020-02-20. Version 0.0.2. LICENSE: gpl2

URL: <https://ctan.org/pkg/fribidixetex>

MIRROR: <https://mirror.ctan.org/support/fribidixetex>

- *The ftnxtra package. Extend the applicability of the \footnote command.* 2019-09-08. Version 0.1. LICENSE: lppl. The package treats footnotes in , the environment, and and other -like commands.

URL: <https://ctan.org/pkg/ftnxtra>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ftnxtra>

- *The ghab package. Typeset ghab boxes in L<sup>A</sup>T<sub>E</sub>X.* 2019-09-08. Version 0.5. LICENSE: lppl. The package defines a command that will typeset its argument in a box with a decorated frame. The width of the box may be set using an optional argument.

URL: <https://ctan.org/pkg/ghab>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ghab>

- *The imspc package. Typeset IMS conference proceedings.* 2019-09-08. Version 0.1. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/imsproc>

MIRROR: <https://mirror.ctan.org/macros/xetex/latex/imsproc>

- *The mpgraphics package. Process and display MetaPost figures inline.* 2019-09-08. Version 0.3. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/mpgraphics>

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- *The parisa package. Parisa family of fonts.* 2019-09-08. Version 0.1. LICENSE: gpl3

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MIRROR: <https://mirror.ctan.org/fonts/parisa>

- *The parsitex package. A localized Persian and bidirectional extension of T<sub>E</sub>X.* 2019-09-08. Version 3.10. LICENSE: pd

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- *The roundbox package. Round boxes in L<sup>A</sup>T<sub>E</sub>X.* 2019-09-08. Version 0.2. LICENSE: lppl1.3. This package implements a command that can be used, in L<sup>A</sup>T<sub>E</sub>X, for producing boxes, framed with rounded corners.

URL: <https://ctan.org/pkg/roundbox>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/roundbox>

- *The showcharinbox package. Show characters inside a box.* 2019-09-08. Version 0.1. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/showcharinbox>

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- *The simurgh package. Typeset Parsi in LuaLaTeX.* 2019-09-08. Version 0.01b. LICENSE: gpl2

URL: <https://ctan.org/pkg/simurgh>

MIRROR: <https://mirror.ctan.org/macros/luatex/latex/simurgh>

- *The tram package. Typeset tram boxes in L<sup>A</sup>T<sub>E</sub>X.* 2019-09-08. Version 0.2. LICENSE: lppl. Tram boxes are highlighted with patterns of dots; the package defines an environment that typesets its content into a tram box. The pattern used may be selected in an optional argument to the environment.

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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tram>

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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/akletter>
  - *The wasysym package. L<sup>A</sup>T<sub>E</sub>X support for the wasy fonts*. 2020-02-02. Version 2.4. LICENSE: lppl1.3c. The (Waldi Symbol) font by Roland Waldi provides many glyphs like male and female symbols and astronomical symbols, as well as the complete lasy font set and other odds and ends. This package implements an easy to use interface for these symbols.  
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- Kieling, Konrad. *The docarc package. Multi-user distributed bibliographic database system*. 2017-04-18. Version 0.9.4. LICENSE: other-free  
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 URL: <https://ctan.org/pkg/pdftex-oztex>  
 MIRROR: <https://mirror.ctan.org/obsolete/systems/mac/pdftex>
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 URL: <https://ctan.org/pkg/flashcard>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/misc/flashcard.cls>
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 URL: <https://ctan.org/pkg/overrightarrow>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fragments>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/play>
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 URL: <https://ctan.org/pkg/raggedr>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/misc/raggedr.sty>
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 URL: <https://ctan.org/pkg/xmlplay>
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 URL: <https://ctan.org/pkg/beletter>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/misc/beletter.cls>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/extsizes>
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MIRROR: <https://mirror.ctan.org/support/ligatex>
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MIRROR: <https://mirror.ctan.org/language/korean/cjk-ko>
- *The nanumtype1 package. Type1 subfonts of Nanum Korean fonts*. 2016-06-24. Version 3.0. LICENSE: ofl  
URL: <https://ctan.org/pkg/nanumtype1>  
MIRROR: <https://mirror.ctan.org/fonts/nanumtype1>
  - *The xetexko package. Typeset Korean with Xe(La)TeX*. 2022-11-01. Version 4.2. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/xetexko>  
MIRROR: <https://mirror.ctan.org/macros/xetex/generic/xetexko>
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URL: <https://ctan.org/pkg/luatexko>  
MIRROR: <https://mirror.ctan.org/macros/luatex/generic/luatexko>
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URL: <https://ctan.org/pkg/baekmuk>  
MIRROR: <https://mirror.ctan.org/fonts/baekmuk>
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URL: <https://ctan.org/pkg/pitthesis>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pitthesis>
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MIRROR: <https://mirror.ctan.org/biblio/biber/biber-macos>
  - *The biber-ms-linux package. Biber (multiscript) binaries for Linux*. 2023-03-08. Version 4.0-1. LICENSE: artistic2. This package offers multiscript Biber binaries for the Linux platform. These are to be used with the package.  
URL: <https://ctan.org/pkg/biber-ms-linux>  
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 URL: <https://ctan.org/pkg/bizcard>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bizcard>
  - *The dco package. Use the DC fonts with old-style numerals*. 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/dco>  
 MIRROR: <https://mirror.ctan.org/obsolete/fonts/dco>
  - *The eco package. Oldstyle numerals using EC fonts*. 2016-06-24. Version 1.3. LICENSE: gpl. A set of font metric files and virtual fonts for using the fonts with oldstyle numerals. These files can only be used together with the standard ec fonts. The style file eco.sty is sufficient to use the eco fonts but if you intend to use other font families as well, e.g., PostScript fonts, try .  
 URL: <https://ctan.org/pkg/eco>  
 MIRROR: <https://mirror.ctan.org/fonts/eco>
  - *The psfont package. Alternative font handling in LaTeX*. 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/psfont>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/altfont>
- Kisselhoff, Nicolas. *The tableaux package. Construct tables of signs and variations*. 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/tableaux>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tableaux>
- Kitagawa, Hironori. *The luatexja package. Typeset Japanese with Lua(La)TeX*. 2023-02-11. Version 20230211.0. LICENSE: bsd  
 URL: <https://ctan.org/pkg/luatexja>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/generic/luatexja>
- Klammler, Moritz. *The dirtytalk package. A package to typeset quotations easier*. 2023-03-06. Version 1.0. LICENSE: pd. The package provides a macro to typeset quotations, using the command . The quotation mark glyphs are inserted by the macro; nested



quotations are detected.

URL: <https://ctan.org/pkg/dirtytalk>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/dirtytalk>

Kleb, Bil. *The aiaa package. Typeset AIAA conference papers*. 2016-06-24. Version 3.6. LICENSE: lppl

URL: <https://ctan.org/pkg/aiaa>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/aiaa>

- *The postcards package. Facilitates mass-mailing of postcards (junkmail)*. 2016-06-24. LICENSE: lppl. A modification of the standard L<sup>A</sup>T<sub>E</sub>X letter class which prints multiple, pre-stamped, 5.5” by 3.5” postcards (a US standard size) via the and packages. An address database is employed to address the front side of each postcard and a message is printed on the back side of all. An illustrative example is provided.

URL: <https://ctan.org/pkg/postcards>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/postcards>

- *The subfigmat package. Automates layout when using the subfigure package*. 2016-06-24. Version 1.0. LICENSE: lppl. Defines an array/matrix-type environment that is used with the package to automate the placement of subfigures (or tables or text). The subfigures are placed left-to-right, top-to-bottom.

URL: <https://ctan.org/pkg/subfigmat>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/subfigmat>

- *The umich-thesis package. University of Michigan Thesis L<sup>A</sup>T<sub>E</sub>X class*. 2018-01-06. Version 1.20. LICENSE: lppl

URL: <https://ctan.org/pkg/umich-thesis>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/umich-thesis>

Kleber, Josef. *The bankstatement package. A L<sup>A</sup>T<sub>E</sub>X class for bank statements based on csv data*. 2017-04-18. Version 0.9.2. LICENSE: lppl

URL: <https://ctan.org/pkg/bankstatement>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bankstatement>

- *The battleship package. A L<sup>A</sup>T<sub>E</sub>X style file for typesetting Battleship logic puzzles*. 2020-09-17. Version 1.2. LICENSE: lppl

URL: <https://ctan.org/pkg/battleship>

MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/battleship>

- *The diadia package. Package to keep a diabetes diary*. 2017-04-18. Version 1.1. LICENSE: lppl

URL: <https://ctan.org/pkg/diadia>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/diadia>

- *The dvdcoll package. A class for typesetting DVD archives*. 2016-08-23. Version 1.1a. LICENSE: lppl

URL: <https://ctan.org/pkg/dvdcoll>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/dvdcoll>

- *The getmap package. Download OpenStreetMap maps for use in documents*. 2019-03-25. Version 1.11. LICENSE: lppl

URL: <https://ctan.org/pkg/getmap>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/getmap>

- *The installfont package. A bash script for installing a L<sup>A</sup>T<sub>E</sub>X font family*. 2018-01-06. Version 1.7. LICENSE: lppl

URL: <https://ctan.org/pkg/installfont>

MIRROR: <https://mirror.ctan.org/support/installfont>

- *The logicpuzzle package. Typeset (grid-based) logic puzzles*. 2017-04-18. Version 2.5. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/logicpuzzle>

MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/logicpuzzle>

- *The miktex\_update package. A cygwin bash script for automatic updating and installing new packages of MiKTeX*. 2016-08-23. Version 1.4. LICENSE: lppl. The miktex\_update script offers automatic updating and installing of new packages of an existing installation. It supports direct connection with online repositories of the MiKTeX server network, as well as synchronizing a local repository (CTAN) with following update. In the end you should have an up-to-date and complete installation.

URL: [https://ctan.org/pkg/miktex\\_update](https://ctan.org/pkg/miktex_update)

MIRROR: [https://mirror.ctan.org/support/miktex\\_update](https://mirror.ctan.org/support/miktex_update)

- *The milog package. A L<sup>A</sup>T<sub>E</sub>X class for fulfilling the documentation duties according to the German minimum wage law MiLoG*. 2017-04-18. Version 1.0. LICENSE: lppl

URL: <https://ctan.org/pkg/milog>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/milog>

- *The pdfcomment package. A user-friendly interface to pdf annotations*. 2018-11-01. Version 2.4a. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/pdfcomment>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pdfcomment>

- *The softmaker-alteschwabacher package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Alte Schwabacher font*. 2016-08-23. Version 1.0. LICENSE: lppl

- URL: <https://ctan.org/pkg/softmaker-alteschwabacher>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/alteschwabacher>
- Kleber, Josef. *The softmaker-artistic package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Artistic font.* 2016-08-23. Version 1.3. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-artistic>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/artistic>
- *The softmaker-baskervillenova package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Baskerville Nova fonts.* 2016-08-23. Version 1.3. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-baskervillenova>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/baskervillenova>
  - *The softmaker-bonita package. L<sup>A</sup>T<sub>E</sub>X Support files for SoftMaker Bonita.* 2016-08-23. Version 1.0. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-bonita>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/bonita>
  - *The softmaker-broadway package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Broadway fonts.* 2016-08-23. Version 1.0. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-broadway>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/broadway>
  - *The softmaker-canossa package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Canossa fonts.* 2016-08-23. Version 1.2. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-canossa>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/canossa>
  - *The softmaker-congress package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Congress fonts.* 2016-08-23. Version 1.3. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-congress>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/congress>
  - *The softmaker-delanocaps package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Delano Caps font.* 2016-08-23. Version 1.3. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-delanocaps>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/delanocaps>
  - *The softmaker-digital package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Digital fonts.* 2016-08-23. Version 1.0. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-digital>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/digital>
  - *The softmaker-egyptiennestd package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker EgyptienneStd fonts.* 2016-08-23. Version 1.0. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-egyptiennestd>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/egyptiennestd>
  - *The softmaker-flagstaff package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Flagstaff font.* 2016-08-23. Version 1.3. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-flagstaff>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/flagstaff>
  - *The softmaker-grenoble package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Grenoble fonts.* 2016-08-23. Version 1.0. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-grenoble>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/grenoble>
  - *The softmaker-helium package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Helium fonts.* 2016-08-23. Version 1.1. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-helium>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/helium>
  - *The softmaker-heliumtwo package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Helium fonts.* 2016-08-23. Version 1.0. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-heliumtwo>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/heliumtwo>
  - *The softmaker-henderson package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Henderson font.* 2016-08-23. Version 1.3. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-henderson>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/henderson>
  - *The softmaker-iceberg package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Iceberg font.* 2016-08-23. Version 1.3. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-iceberg>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/iceberg>
  - *The softmaker-inverserif package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Inverserif font.* 2016-08-23. Version 1.0. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-inverserif>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/inverserif>
  - *The softmaker-jugendstil package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Jugendstil font.* 2016-08-23. Version 1.3. LICENSE: lppl  
URL: <https://ctan.org/pkg/softmaker-jugendstil>  
MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/jugendstil>

- Kleber, Josef. *The softmaker-marseille package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Marseille fonts*. 2016-08-23. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/softmaker-marseille>  
 MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/marseille>
- *The softmaker-moab package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Moab font*. 2016-08-23. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/softmaker-moab>  
 MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/moab>
  - *The softmaker-nevada package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Nevada fonts*. 2016-08-23. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/softmaker-nevada>  
 MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/nevada>
  - *The softmaker-newcastle package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Newcastle fonts*. 2016-08-23. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/softmaker-newcastle>  
 MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/newcastle>
  - *The softmaker-oldblackletter package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Old Blackletter font*. 2016-08-23. Version 1.3. LICENSE: lppl  
 URL: <https://ctan.org/pkg/softmaker-oldblackletter>  
 MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/oldblackletter>
  - *The softmaker-quadrat package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Quadrat fonts*. 2016-08-23. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/softmaker-quadrat>  
 MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/quadrat>
  - *The softmaker-stonehand package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Stone Handwriting font*. 2016-08-23. Version 1.3. LICENSE: lppl  
 URL: <https://ctan.org/pkg/softmaker-stonehand>  
 MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/stonehand>
  - *The softmaker-sunset package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Sunset fonts*. 2016-08-23. Version 1.2. LICENSE: lppl  
 URL: <https://ctan.org/pkg/softmaker-sunset>  
 MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/sunset>
  - *The softmaker-tampa package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Congress fonts*. 2016-08-23. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/softmaker-tampa>  
 MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/tampa>
  - *The softmaker-vagrounded package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker VAGRounded font*. 2016-08-23. Version 1.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/softmaker-vagrounded>  
 MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/vagrounded>
  - *The softmaker-velo package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Velo font*. 2016-08-23. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/softmaker-velo>  
 MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/velo>
  - *The softmaker-veracruz package. L<sup>A</sup>T<sub>E</sub>X Support files for the SoftMaker Veracruz fonts*. 2016-08-23. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/softmaker-veracruz>  
 MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/veracruz>
  - *The softmakerfreefont package. Support files for SoftMaker free fonts*. 2020-12-18. Version 1.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/softmakerfreefont>  
 MIRROR: <https://mirror.ctan.org/fonts/softmakerfreefont/softmakerfreefont>
- Klein, Dennis. *The rest-api package. Describing a rest api*. 2020-12-04. Version 1.4. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/rest-api>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/rest-api>
- Kleinböhl, Jürgen. *The os2tex package. A distribution of T<sub>E</sub>X for OS/2 Warp*. 2016-06-18. LICENSE: shareware  
 URL: <https://ctan.org/pkg/os2tex>  
 MIRROR: <https://mirror.ctan.org/systems/os2/os2tex>
- Kleinod, Ekkart. *The changes package. Manual change markup*. 2021-07-16. Version 4.2.1. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/changes>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/changes>
- Kleiweg, Peter. *The iahyphen package. Hyphenation patterns for Interlingua*. 2016-06-24. Version 0.2c. LICENSE: lppl. is an “international auxiliary language”.  
 URL: <https://ctan.org/pkg/iahypen>  
 MIRROR: <https://mirror.ctan.org/language/hyphenation/iahypen.tex>

- Kleiweg, Peter. *The pssplit package. Select pages from PostScript files*. 2017-04-18. LICENSE: gpl  
 URL: <https://ctan.org/pkg/pssplit>  
 MIRROR: <https://mirror.ctan.org/support/pssplit>
- *The utf2any package. Converting Unicoded text to L<sup>A</sup>T<sub>E</sub>X, HTML, etc.* 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/utf2any>  
 MIRROR: <https://mirror.ctan.org/support/utf2any>
  - *The wsuipa2tipa package. Translate wsuipa font commands into tipa font commands*. 2016-06-24. LICENSE: gpl. Old fonts don't compile well on newer T<sub>E</sub>X distributions, and may be unavailable on your local installation. The fonts are superseded by the newer fonts. The program wsu2tipa works as a filter that translates an old L<sup>A</sup>T<sub>E</sub>X document, replacing all wsuipa font commands with tipa font commands.  
 URL: <https://ctan.org/pkg/wsuipa2tipa>  
 MIRROR: <https://mirror.ctan.org/support/wsuipa2tipa>
- Klemens, Ben. *The thrmappendix package. Theorems, lemmas, etc., in appendix*. 2016-06-24. LICENSE: gpl2  
 URL: <https://ctan.org/pkg/thrmappendix>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/misc/thrmappendix.sty>
- Kletzing, Dennis. *The multenum package. Multi-column enumerated lists*. 2016-06-24. LICENSE: lpl1  
 URL: <https://ctan.org/pkg/multenum>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/multenum>
- Kleveland, Rune and Ole Michael Selberg. *The nohyphbx package. General hyphenation patterns for Norwegian*. 2018-01-06. LICENSE: lpl  
 URL: <https://ctan.org/pkg/nohyphbx>  
 MIRROR: <https://mirror.ctan.org/language/hyphenation/nohyph/nohyphbx.tex>
- Kleveland, Rune, Ole Michael Selberg, and Karl Ove Hufthammer. *The nohyph package. Norwegian hyphenation*. 2016-11-05. LICENSE: other-free. The directory holds the , together with a couple of exception files, one for Norwegian Bokmål (nbhyph.tex) and one for Norwegian Nynorsk (nnhyph.tex). Each exception file may be used as a hyphenation file in its own right, since each also loads the main patterns.  
 URL: <https://ctan.org/pkg/nohyph>  
 MIRROR: <https://mirror.ctan.org/language/hyphenation/nohyph>
- Klever, Jan and Karsten Tinnfeld. *The quotchap package. Decorative chapter headings*. 2020-11-13. Version 1.3. LICENSE: gpl2. A package for creating decorative chapter headings with quotations. Uses graphical and coloured output and by default needs the “Adobe standard font set” (as supported by ).  
 URL: <https://ctan.org/pkg/quotchap>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/quotchap>
- Klöcker, Jens. *The syngen package. A tool for generating syntax diagrams from BNF*. 2016-06-24. Version 0.4. LICENSE: gpl  
 URL: <https://ctan.org/pkg/syngen>  
 MIRROR: <https://mirror.ctan.org/support/syngen>
- Klöckl, Ingo. *The faltblat package. Making Leaflets*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/faltblat>  
 MIRROR: <https://mirror.ctan.org/info/examples/lft>
- *The ifsym package. A collection of symbols*. 2016-06-24. LICENSE: other-free  
 URL: <https://ctan.org/pkg/ifsym>  
 MIRROR: <https://mirror.ctan.org/fonts/ifsym>
  - *The ltt package. Example code for “L<sup>A</sup>T<sub>E</sub>X Tipps und Tricks” book*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/ltt>  
 MIRROR: <https://mirror.ctan.org/info/examples/ltt>
  - *The ochem package. Typeset chemical formulae with L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. LICENSE: lpl  
 URL: <https://ctan.org/pkg/ochem>  
 MIRROR: <https://mirror.ctan.org/support/ochem>
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 URL: <https://ctan.org/pkg/imaketex>  
 MIRROR: <https://mirror.ctan.org/support/imaketex>
- Kluth, Marie-Paule, Jérémy Just, and Yannick Tanguy. *The faq-fr package. French FAQ of the GUTenberg T<sub>E</sub>X user group*. 2023-01-23. LICENSE: cc-by-sa-4  
 URL: <https://ctan.org/pkg/faq-fr>  
 MIRROR: <https://mirror.ctan.org/help/LaTeX-FAQ-francaise>



- Knaggs, Peter J. *The chapref package. Bibliography details per chapter*. 2016-06-24. LICENSE: noinfo. The package provides for a separate bibliography section in each chapter. (It is assumed that each chapter is in its own d file.)  
 URL: <https://ctan.org/pkg/chapref>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/chapref.sty>
- Knappen, Jörg. *The bashkirian package. Bashkirian extension to OT2 fonts*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/bashkirian>  
 MIRROR: <https://mirror.ctan.org/fonts/cyrillic/bashkirian>
- *The esperant package. Style option for writing Esperanto texts*. 2016-06-24. Version 1.1.a. LICENSE: nosell. A L<sup>A</sup>T<sub>E</sub>X 2.09 style option for typesetting documents in Esperanto; it seems to be a precursor of the esperanto option of current .  
 URL: <https://ctan.org/pkg/esperant>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/esperant.sty>
  - *The fc package. Fonts for African languages*. 2016-06-24. Version 1.4. LICENSE: gpl2. The fonts are provided as Metafont source, in the familiar arrangement of lots of (autogenerated) preamble files and a modest set of glyph specifications. (A similar arrangement appears in the and font bundles.)  
 URL: <https://ctan.org/pkg/fc>  
 MIRROR: <https://mirror.ctan.org/fonts/jknappen/fc>
  - *The greekctr package. Represent counters by letters of the Greek alphabet*. 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/greekctr>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/jknappen>
  - *The holtpolt package. Typeset Maxwell’s non-commutative division*. 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/holtpolt>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/jknappen/holtpolt.sty>
  - *The jknappen package. Miscellaneous packages by Joerg Knappen*. 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/jknappen>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/jknappen>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/proposal>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ed>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/errata>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/proposal>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/proposal>
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 URL: <https://ctan.org/pkg/stex>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/stex>
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 URL: <https://ctan.org/pkg/gridset>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gridset>
- *The GS1 package. Typeset EAN barcodes using T<sub>E</sub>X rules, only.* 2021-06-18. Version 23. LICENSE: lppl1.3c. The (LaTeX3) package typesets EAN-8 and EAN-13 barcodes, using the facilities of the package.  
 URL: <https://ctan.org/pkg/gs1>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gs1>
  - *The koma-script package. A bundle of versatile classes and packages.* 2022-10-12. Version 3.38. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/koma-script>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The koma-script-examples package. Examples from the KOMA-Script book.* 2022-07-04. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/koma-script-examples>  
 MIRROR: <https://mirror.ctan.org/info/examples/KOMA-Script-6>
  - *The koma-script-examples-3 package. Examples from the 3rd edition of the KOMA-Script book.* 2022-07-04. LICENSE: lppl  
 URL: <https://ctan.org/pkg/koma-script-examples-3>  
 MIRROR: <https://mirror.ctan.org/info/examples/KOMA-Script-3>
  - *The koma-script-examples-4 package. Examples from the 4th edition of the KOMA-Script book.* 2022-07-04. LICENSE: lppl  
 URL: <https://ctan.org/pkg/koma-script-examples-4>  
 MIRROR: <https://mirror.ctan.org/info/examples/KOMA-Script-4>
  - *The koma-script-examples-5 package. Examples from the 5th edition of the KOMA-Script book.* 2022-07-04. LICENSE: lppl  
 URL: <https://ctan.org/pkg/koma-script-examples-5>  
 MIRROR: <https://mirror.ctan.org/info/examples/KOMA-Script-5>



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 URL: <https://ctan.org/pkg/koma-script-obsolete>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/koma-script-obsolete>
- *The luaindex package. Create index using LuaLaTeX*. 2016-06-24. Version 0.1b. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/luaindex>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/latex/luaindex>
  - *The makelabels package. Add a ‘\makelabels’ feature to KOMA-Script letter classes and package*. 2021-08-21. Version 1.0. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/makelabels>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/makelabels>
  - *The marginnote package. Notes in the margin, even where \marginpar fails*. 2018-08-09. Version 1.4b. LICENSE: lppl1.3c. This package provides the command that may be used instead of at almost every place where cannot be used, e.g., inside floats, footnotes, or in frames made with the package.  
 URL: <https://ctan.org/pkg/marginnote>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/marginnote>
  - *The normalcolor package. Changing \normalcolor*. 2016-11-16. Version r11. LICENSE: lppl1.3. This package provides a command with the same syntax as the command either of package or of package . However, will not change the colour but the / color.  
 URL: <https://ctan.org/pkg/normalcolor>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/normalcolor>
  - *The pfarrei package. L<sup>A</sup>T<sub>E</sub>X support of pastors’ and priests’ work*. 2016-06-24. Version r36. LICENSE: lppl1.3. In “Die T<sub>E</sub>Xnische Komödie” (issue 1/2013) Christian Justen described his use of L<sup>A</sup>T<sub>E</sub>X in his work as priest (similar requirements may be encountered in the work of pastors and other ministers of religion). One point was to arrange A5 pages onto A4 landscape paper, either side-by-side or as a booklet. Justen made two bash scripts for this job; the package provides one texlua script for both requirements. (Note that file should have execute permissions in any installation.)  
 URL: <https://ctan.org/pkg/pfarrei>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pfarrei>
  - *The rule-d package. Provide L<sup>A</sup>T<sub>E</sub>X3 commands for typesetting rules*. 2021-06-18. Version 23. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/rule-d>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gs1>
  - *The scraddr package. Provide data from scrlltr2’s address files*. 2022-07-04. Version 1.1d. LICENSE: lppl1.3c. The package is a part of the suite. The package uses adr-files to generate circular letters. The package provides commands to read the adr-files and to use the data of the address entries, not only with class and not only for circular letters.  
 URL: <https://ctan.org/pkg/scraddr>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The scrartcl package. Koma-Script ‘article’ class*. 2022-10-12. Version 3.38. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/scrartcl>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The scrbase package. Provide basic features for KOMA-Script*. 2022-10-12. Version 3.38. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/scrbase>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The scrbook package. Koma-Script ‘book’ class*. 2022-10-12. Version 3.38. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/scrbook>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The scrdate package. Calendar date operations*. 2022-10-12. Version 3.38. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/scrdate>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The scrextend package. Use of components of KOMA-Script by other packages*. 2022-10-12. Version 3.38. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/scrextend>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The scrjura package. Koma-Script support for lawyers, etc*. 2022-10-12. Version 3.38. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/scrjura>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The scrlayer package. Manage text ‘layers’ within Koma-Script*. 2022-10-12. Version 3.38. LICENSE: lppl1.3c. The package is part of the , and provides control of ‘background’ and ‘foreground’ layers for a page style description.  
 URL: <https://ctan.org/pkg/scrlayer>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>

- Kohm, Markus. *The scrlayer-fancyhdr package. Combining package fancyhdr with KOMA-Script's scrlayer*. 2022-07-08. Version 0.2.2. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/scrlayer-fancyhdr>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/scrlayer-fancyhdr>
- *The scrlayer-notecolumn package. Control note columns parallel to the main text*. 2022-07-04. Version 0.3.3915. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/scrlayer-notecolumn>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The scrlayer-scrpage package. Define and manage page styles*. 2022-10-12. Version 3.38. LICENSE: lppl1.3c. This package is the part of the bundle that provides an end user interface to , allowing the user to define and manage page styles by controlling page headers and footers. The end user interface is compatible enough to that of the earlier package, so that users should easily be able to switch from the older package to the newer, more powerful, one.  
 URL: <https://ctan.org/pkg/scrlayer-scrpage>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The scrletter package. Letter extension to KOMA-Script classes*. 2022-10-12. Version 3.38. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/scrletter>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The scrfile package. Installation control for koma-script packages*. 2022-10-12. Version 3.38. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/scrfile>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The scr1ttr2 package. KOMA-Script 'letter' class*. 2022-10-12. Version 3.38. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/scr1ttr2>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The scrpage2 package. Control of page headers and footers in L<sup>A</sup>T<sub>E</sub>X*. 2022-07-04. Version 3.30. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/scrpage2>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/koma-script-obsolete>
  - *The scrreprt package. KOMA-Script 'report' class*. 2022-10-12. Version 3.38. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/scrreprt>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The scrtime package. Show the time of a L<sup>A</sup>T<sub>E</sub>X run*. 2022-10-12. Version 3.38. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/scrtime>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The scrwfile package. Use L<sup>A</sup>T<sub>E</sub>X .aux file in place of \newwrite files*. 2022-10-12. Version 0.1.11. LICENSE: lppl1.3c. The package provides a means of sending all L<sup>A</sup>T<sub>E</sub>X , table of contents, and other miscellaneous output via the L<sup>A</sup>T<sub>E</sub>X file. The mechanism subverts the mechanism of , and means there will never be a “No room for new ” message.  
 URL: <https://ctan.org/pkg/scrwfile>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The splitindex package. Unlimited number of indexes*. 2020-03-09. Version 1.2c. LICENSE: lppl. SplitIndex consists of a L<sup>A</sup>T<sub>E</sub>X package, , and a small program, . The package may be used to produce one index or several indexes. Without splitindex (for example, using the package), the number of indexes is limited by the number of T<sub>E</sub>X's output streams. But using the program you may use even more than 16 indexes: splitidx outputs only a single file and the program splits that file into several raw index files and calls your favorite index processor for each of the files.  
 URL: <https://ctan.org/pkg/splitindex>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/splitindex>
  - *The tocbasic package. Management of tables/lists of contents (and the like)*. 2022-10-12. Version 3.38. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/tocbasic>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script>
  - *The tocstyle package. Define style of Table of contents (etc) files*. 2020-07-22. Version 0.2k-alpha. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/tocstyle>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/koma-script-obsolete>
  - *The uni-titlepage package. Universal titlepages with configuration options and predefined styles*. 2022-09-06. Version 1.1a. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/uni-titlepage>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/uni-titlepage>
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- Kolachana, Aditya. *The shobhika package. An OpenType Devanāgarī font designed for scholars*. 2019-03-23. Version 1.05. LICENSE: ofl  
URL: <https://ctan.org/pkg/shobhika>  
MIRROR: <https://mirror.ctan.org/fonts/shobhika>
- Kolb, Hans-Peter, Craig Thiersch, and Alexis Dimitriadis. *The gb4e package. Linguistic tools*. 2016-06-24. LICENSE: lppl1.2  
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gb4e>
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URL: <https://ctan.org/pkg/econometrics>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/econometrics>
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URL: <https://ctan.org/pkg/go>  
MIRROR: <https://mirror.ctan.org/fonts/go>
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URL: <https://ctan.org/pkg/plhyph>  
MIRROR: <https://mirror.ctan.org/language/polish/plhyph.tex>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/simplewick>
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- König, Thomas and Alexander Michel. *The numericplots package. Plot numeric data (including Matlab export) using PSTricks*. 2016-06-24. Version 2.0.2. LICENSE: gpl3  
URL: <https://ctan.org/pkg/numericplots>  
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URL: <https://ctan.org/pkg/langsci-affiliations>  
MIRROR: <https://mirror.ctan.org/macros/xetex/latex/langsci/langsci-affiliations.sty>
- *The langsci-avm package. Feature structures and attribute-value matrices (AVM)*. 2023-02-21. Version 0.3.0. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/langsci-avm>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/langsci-avm>
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URL: <https://ctan.org/pkg/biblatex-lni>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-lni>
- *The luabibentry package. Repeat BibTeX entries in a LuaL<sup>A</sup>T<sub>E</sub>X document body*. 2020-06-28. Version 0.1a. LICENSE: lppl1.3. The package reimplements , for use in LuaL<sup>A</sup>T<sub>E</sub>X.  
URL: <https://ctan.org/pkg/luabibentry>  
MIRROR: <https://mirror.ctan.org/macros/luatex/latex/luabibentry>
- *The plantuml package. Support for rendering UML diagrams using the syntax and tool of PlantUML*. 2020-05-19. Version 0.3.1. LICENSE: lppl1.3c. The package provides support for rendering UML diagrams using the syntax and tools of PlantUML. The PlantUML syntax is very short and thus enables quickly specifying UML diagrams. Using , PlantUML layouts the diagrams.  
URL: <https://ctan.org/pkg/plantuml>  
MIRROR: <https://mirror.ctan.org/macros/luatex/latex/plantuml>
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URL: <https://ctan.org/pkg/refenums>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/refenums>
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URL: <https://ctan.org/pkg/scientific-thesis-cover>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/scientific-thesis-cover>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/eskdx>
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URL: <https://ctan.org/pkg/sanskrit-t1>  
MIRROR: <https://mirror.ctan.org/fonts/ps-type1/sanskrit>
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URL: <https://ctan.org/pkg/ama>  
MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/misc/ama.bst>
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URL: <https://ctan.org/pkg/innerScript>  
MIRROR: <https://mirror.ctan.org/macros/luatex/latex/innerScript>
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URL: <https://ctan.org/pkg/mathfont>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mathfont>
- Kostin, Alexei. *The JustFontItT<sub>E</sub> package. JustFontItT<sub>E</sub> Edition*. 2016-06-24. Version 1.1. LICENSE: nosell  
URL: <https://ctan.org/pkg/justfontitTe>  
MIRROR: <https://mirror.ctan.org/fonts/utilities/JustFontItT<sub>E</sub>>
- Kotelnikov, Igor A. *The babel-russian package. Russian language module for Babel*. 2021-01-10. Version 1.3m. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/babel-russian>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/russian>
- Kotthoff, Lars. *The dottex package. Use dot code in L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. Version 0.6. LICENSE: gpl. The dottex package allows you to encapsulate 'dot' and 'neato' files in your document (dot and neato are both part of ; dot creates directed graphs, neato undirected graphs). If you have shell-escape enabled, the package will arrange for your files to be processed at L<sup>A</sup>T<sub>E</sub>X time; otherwise, the conversion must be done manually as an intermediate process before a second L<sup>A</sup>T<sub>E</sub>X run.  
URL: <https://ctan.org/pkg/dottex>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/dottex>
- *The gnuplottex package. Embed Gnuplot commands in L<sup>A</sup>T<sub>E</sub>X documents*. 2020-04-06. Version 0.9.5. LICENSE: gpl2  
URL: <https://ctan.org/pkg/gnuplottex>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gnuplottex>
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URL: <https://ctan.org/pkg/luaaddplot>  
MIRROR: <https://mirror.ctan.org/macros/luatex/generic/luaaddplot>
- *The vntex-nonfree package. URW Classico and URW Garamond extended for Vietnamese*. 2022-03-12. Version 3.2.2. LICENSE: nosell. This package contains URW Classico and URW Garamond No.8 fonts extended for Vietnamese. It can be installed with .  
URL: <https://ctan.org/pkg/vntex-nonfree>  
MIRROR: <https://mirror.ctan.org/fonts/vntex-nonfree>
- *The win32-emacs-auctex package. Ready-to-use Emacs and AucTeX for Windows*. 2020-06-21. Version Emacs 24.5 and AucTeX 11.89. LICENSE: other-free  
URL: <https://ctan.org/pkg/win32-emacs-auctex>  
MIRROR: <https://mirror.ctan.org/obsolete/support/win32-emacs-auctex>
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 URL: <https://ctan.org/pkg/synapsen>  
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 URL: <https://ctan.org/pkg/cptex>  
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 URL: <https://ctan.org/pkg/vicentino>  
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 URL: <https://ctan.org/pkg/chordbars>  
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 URL: <https://ctan.org/pkg/bmeps>
- *The bmpp package. Convert bitmap files to PS/EPS/PDF*. 2020-10-11. LICENSE: bsd  
 URL: <https://ctan.org/pkg/bmpp>
  - *The dktools package. Tools and libraries by Dirk Krause*. 2020-10-11. LICENSE: bsd3  
 URL: <https://ctan.org/pkg/dktools>
  - *The fig2lat package. Convert .fig files to vector graphics*. 2020-10-11. LICENSE: bsd  
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  - *The fig2vect package. Yet another Fig to vector converter*. 2020-10-11. LICENSE: other-free  
 URL: <https://ctan.org/pkg/fig2vect>
  - *The pdf-forms-tutorial package. Tutorial on creating PDF forms using pdfLaTeX*. 2016-06-24. Version 0.9.5. LICENSE: fdl. This package contains a tutorial and examples showing how to create PDF forms using with the and packages.  
 URL: <https://ctan.org/pkg/pdf-forms-tutorial>  
 MIRROR: <https://mirror.ctan.org/info/pdf-forms-tutorial>
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- Kreutzer, Michiel. *The LEIletter package. A letter class for Leiden University*. 2020-10-07. Version 1.3. LICENSE: lppl1.3c,cc-by-sa-3  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/leiletter>
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 URL: <https://ctan.org/pkg/res>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/resume/res.cls>
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 MIRROR: <https://mirror.ctan.org/web/fweb>



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URL: <https://ctan.org/pkg/epspdf>  
MIRROR: <https://mirror.ctan.org/support/epspdf>
- *The epspdf-extra package. Platform-specific extras for epspdf*. 2016-06-24. Version 0.6.0. LICENSE: gpl. The bundle provides support for on Windows platforms.  
URL: <https://ctan.org/pkg/epspdf-extra>  
MIRROR: <https://mirror.ctan.org/obsolete/support/epspdf-extra>
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URL: <https://ctan.org/pkg/epspdf-setup>  
MIRROR: <https://mirror.ctan.org/obsolete/support/epspdf-setup>
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URL: <https://ctan.org/pkg/aligned-overset>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/aligned-overset>
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URL: <https://ctan.org/pkg/fontawesome5>  
MIRROR: <https://mirror.ctan.org/fonts/fontawesome5>
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URL: <https://ctan.org/pkg/hyperbar>  
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URL: <https://ctan.org/pkg/inputnormalization>  
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URL: <https://ctan.org/pkg/luamathalign>  
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- *The luapstricks package. A PSTricks backend for LuaLaTeX.* 2023-02-18. Version 0.8. LICENSE: lppl1.3. This package enables the use of directly in LuaLaTeX documents, without invoking external programmes, by implementing a PostScript interpreter in Lua. Therefore it does not require shell escape to be enabled or special environments, and instead allows PSTricks to be used exactly like in based documents.  
URL: <https://ctan.org/pkg/luapstricks>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/luapstricks>
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URL: <https://ctan.org/pkg/luau-l>  
MIRROR: <https://mirror.ctan.org/macros/luatex/latex/luau-l>
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URL: <https://ctan.org/pkg/autotab>  
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URL: <https://ctan.org/pkg/antomega>  
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URL: <https://ctan.org/pkg/cm-lgc>  
MIRROR: <https://mirror.ctan.org/fonts/ps-type1/cm-lgc>
- *The grkfinst package. Install Greek Type 1 fonts.* 2016-06-24. Version 0.3.2. LICENSE: lppl  
URL: <https://ctan.org/pkg/grkfinst>  
MIRROR: <https://mirror.ctan.org/fonts/utilities/fontinst-contrib/grkfinst>
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URL: <https://ctan.org/pkg/ofntinst>  
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URL: <https://ctan.org/pkg/oldstandard>  
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- Kuhlmann, Volker. *The dvipsconfig package. Collection of dvips PostScript headers*. 2016-06-24. Version 1.6. LICENSE: gpl  
 URL: <https://ctan.org/pkg/dvipsconfig>  
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- *The ieeeepes package. IEEE Power Engineering Society Transactions*. 2016-06-24. Version 4.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/ieeeepes>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ieeeepes>
  - *The lhhelp package. Miscellaneous helper packages*. 2016-06-24. Version 2.0. LICENSE: gpl  
 URL: <https://ctan.org/pkg/lhhelp>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/lhhelp>
  - *The listbib package. Lists contents of BibTeX files*. 2016-06-24. Version 2.2. LICENSE: gpl. Generates listings of bibliographic data bases in format — for example for archival purposes. Included is a listbib.bst which is better suited for this purpose than the standard styles.  
 URL: <https://ctan.org/pkg/listbib>  
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  - *The makefonts package. Shell scripts to generate bitmaps from Metafont sources*. 2016-06-24. Version 2.0. LICENSE: pd  
 URL: <https://ctan.org/pkg/makefonts>  
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  - *The photo package. A float environment for photographs*. 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/photo>  
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 URL: <https://ctan.org/pkg/savefnmark>  
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  - *The vmargin package. Set various page dimensions*. 2018-01-06. Version 2.5. LICENSE: lppl. Provides a macro to set various margins as well as dimensions for header/footer and page dimensions. Most common paper sizes, paper orientation, disabling of headers and footers, and two sided printing are supported. The vmargin package does not rely on other packages and was designed with speed and size in mind. Its user interface might not be very fancy, but it's fast, small, and gets the job done. If you are looking for something more elaborate try the package.  
 URL: <https://ctan.org/pkg/vmargin>  
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  - *The vpage package. Set page sizes*. 2016-06-24. LICENSE: lppl. Set page sizes for many different pages. This package is now superseded by .  
 URL: <https://ctan.org/pkg/vpage>  
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 URL: <https://ctan.org/pkg/listing>  
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- Kuhn, Jonathan. *The interactiveworkbook package. LaTeX-based interactive PDF on the Web*. 2016-06-24. LICENSE: lppl  
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- Kuhn, Matthew R. *The ascelike package. Bibliography style for the ASCE*. 2016-06-24. Version 2.3. LICENSE: lppl  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bchart>
- Kühn, Wolfgang. *The iTe package. Interactive T<sub>E</sub>X editor*. 2016-06-24. LICENSE: gpl2  
 URL: <https://ctan.org/pkg/ite>  
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- Kuhnert, Sebastian. *The aptools package. Tools for customising appendices*. 2016-06-24. Version 1.0. LICENSE: lppl1.3. The package provides an command to add code to a hook that is executed when is called by the user. Additionally, a T<sub>E</sub>X conditional and a L<sup>A</sup>T<sub>E</sub>X-style conditional are provided to check if has already been called.

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- Kuhnert, Sebastian. *The bibleref-parse package. Specify Bible passages in human-readable format*. 2016-06-24. Version 1.1. LICENSE: lpl1.3. The package parses Bible passages that are given in human readable format. It accepts a wide variety of formats. This allows for a simpler and more convenient interface to the functionality of the package.  
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 URL: <https://ctan.org/pkg/hindawi-latex-template>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hindawi-latex-template>
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 URL: <https://ctan.org/pkg/blackboard>  
 MIRROR: <https://mirror.ctan.org/info/symbols/blackboard>
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 URL: <https://ctan.org/pkg/doublestroke>  
 MIRROR: <https://mirror.ctan.org/fonts/doublestroke>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/asternote>
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 URL: <https://ctan.org/pkg/hideanswer>  
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  - *The inlinelabel package. Assign equation numbers to inline equations.* 2022-07-15. Version 1.2.1. LICENSE: mit  
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  - *The jpneduenumerate package. Enumerative expressions in Japanese education.* 2022-07-15. Version 1.2. LICENSE: mit  
 URL: <https://ctan.org/pkg/jpneduenumerate>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/jpneduenumerate>
  - *The jpnedumathsymbols package. Mathematical equation representation in Japanese education.* 2022-07-15. Version 1.1. LICENSE: mit  
 URL: <https://ctan.org/pkg/jpnedumathsymbols>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/jpnedumathsymbols>
- Kuska, Jens-Peer. *The mathematica package. Support for fonts distributed with Mathematica.* 2016-06-24. LICENSE: lppl. Virtual T<sub>E</sub>X fonts that can be used with the PostScript fonts distributed with Mathematica 3.0. The archives use a conforming directory structure. A style file for L<sup>A</sup>T<sub>E</sub>X2e is included, that enables use of the fonts and the new symbols from L<sup>A</sup>T<sub>E</sub>X2e.  
 URL: <https://ctan.org/pkg/mathematica>  
 MIRROR: <https://mirror.ctan.org/fonts/psfonts/Mathematica3.0>
- Küster, Frank. *The alnumsec package. Alphanumeric section numbering.* 2016-06-24. Version 0.03. LICENSE: lppl. This package allows you to use alphanumeric section numbering, for instance “A. Introduction ... III. International Law”. Its output is similar to , but you can use the standard L<sup>A</sup>T<sub>E</sub>X sectioning commands, so that it is possible to switch numbering schemes easily. Greek letters, double letters (bb) and different delimiters around them are supported.  
 URL: <https://ctan.org/pkg/alnumsec>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/alnumsec>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/labbook>
  - *The volumes package. Typeset only parts of a document, with complete indexes etc.* 2016-06-24. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/volumes>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/volumes>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/enumitem>
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URL: <https://ctan.org/pkg/epsfview>  
MIRROR: <https://mirror.ctan.org/systems/mac/epsfview.sea.hqx>
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URL: <https://ctan.org/pkg/gindex>  
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MIRROR: <https://mirror.ctan.org/language/guarani>
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URL: <https://ctan.org/pkg/luahyphenrules>  
MIRROR: <https://mirror.ctan.org/macros/luatex/latex/luahyphenrules>
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URL: <https://ctan.org/pkg/mem>  
MIRROR: <https://mirror.ctan.org/macros/latex/exptl/mem>
- López, Javier Bezos. *The soulpos package. A fancy means of underlining*. 2021-10-15. Version 1.2. LICENSE: mit. The package combines the use of `with` the mechanism of current pdfTeX so that the user can create (almost) arbitrary underlining and similar



“decorations”, including rules, leaders and even pictures (, , etc.). Unlike underlines, which are built by repeating small elements, here each chunk of text to be underlined is a single element.

URL: <https://ctan.org/pkg/soulpos>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/soulpos>

- *The subdocs package*. Multifile documents. 2019-07-06. Version 0.1. LICENSE: mit

URL: <https://ctan.org/pkg/subdocs>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/subdocs>

- *The tensind package*. Typeset tensors. 2019-07-06. Version 1.1. LICENSE: mit

URL: <https://ctan.org/pkg/tensind>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tensind>

- *The texemplar package*. A class for the journal of CervanTeX. 2016-06-24. Version 0.1. LICENSE: lppl

URL: <https://ctan.org/pkg/texemplar>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/Texemplar>

- *The tipos package*. Description of fonts for T<sub>E</sub>X, in Spanish. 2016-06-24. LICENSE: nosource. The document tipos.pdf describes (in Spanish) the large amount of types of files for fonts (‘tipo’ means ‘font’ in Spanish). Tipos.pdf has been by Thomas Ruedas.

URL: <https://ctan.org/pkg/tipos>

- *The titleps package*. Page style control. 2019-10-16. Version 2.13. LICENSE: mit

URL: <https://ctan.org/pkg/titleps>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/titlesec>

- *The titlesec package*. Select alternative section titles. 2021-07-05. Version 2.14. LICENSE: mit

URL: <https://ctan.org/pkg/titlesec>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/titlesec>

- *The titletoc package*. Alternative headings for toc/lof/lot. 2019-10-16. Version 2.13. LICENSE: mit. A companion for handling toc/lof/lot entries.

URL: <https://ctan.org/pkg/titletoc>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/titlesec>

- López, Javier Bezos and Johannes L. Braams. *The babel package*. Multilingual support for L<sup>A</sup>T<sub>E</sub>X, LuaLaTeX, X<sub>Y</sub>L<sup>A</sup>T<sub>E</sub>X, and Plain T<sub>E</sub>X. 2023-03-28. Version 3.87. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/babel>

MIRROR: <https://mirror.ctan.org/macros/latex/required/babel/base>

- *The babel-albanian package*. Support for Albanian within babel. 2020-11-25. Version 1.0d. LICENSE: lppl1.3. The package provides support for typesetting Albanian (as part of the system).

URL: <https://ctan.org/pkg/babel-albanian>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/albanian>

- *The babel-czech package*. Babel support for Czech. 2018-01-13. Version 3.1a. LICENSE: lppl1.3. The package provides the language definition file for support of Czech in . Some shortcuts are defined, as well as translations to Czech of standard “LaTeX names”.

URL: <https://ctan.org/pkg/babel-czech>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/czech>

- *The babel-danish package*. Babel contributed support for Danish. 2021-02-06. Version 1.3s. LICENSE: lppl1.3. The package provides a language definition, file for use with , which establishes Danish conventions in a document (or a subset of the conventions, if Danish is not the main language of the document).

URL: <https://ctan.org/pkg/babel-danish>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/danish>

- *The babel-dutch package*. Babel contributed support for Dutch. 2021-08-29. Version 3.8l. LICENSE: lppl1.3. The package provides a language definition, file for use with , which establishes Dutch conventions in a document (or a subset of the conventions, if Dutch is not the main language of the document).

URL: <https://ctan.org/pkg/babel-dutch>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/dutch>

- *The babel-english package*. Babel support for English. 2017-06-07. Version 3.3r. LICENSE: lppl1.3. The package provides the language definition file for support of English in . Care is taken to select hyphenation patterns for British English and Australian text, and default (“”) patterns for Canadian and USA text.

URL: <https://ctan.org/pkg/babel-english>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/english>

- López, Javier Bezos and Johannes L. Braams. *The babel-finnish package*. Babel support for Finnish. 2021-02-06. Version 1.3s. LICENSE: lppl1.3. The package provides a language description file that enables support of Finnish with .

- URL: <https://ctan.org/pkg/babel-finnish>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/finnish>
- *The babel-interlingua package. Babel support for Interlingua.* 2018-01-13. Version 1.6. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/babel-interlingua>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/interlingua>
  - *The babel-irish package. Babel support for Irish.* 2018-01-13. Version 1.0h. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/babel-irish>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/irish>
  - *The babel-kurmanji package. Babel support for Kurmanji.* 2018-04-25. Version 1.1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/babel-kurmanji>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/kurmanji>
  - *The babel-norsk package. Babel support for Norwegian.* 2022-11-17. Version 2.0i. LICENSE: lppl1.3. The package provides the language definition file for support of Norwegian in . Some shortcuts are defined, as well as translations to Norsk of standard “LaTeX names”.  
URL: <https://ctan.org/pkg/babel-norsk>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/norsk>
  - *The babel-portuges package. Babel support for Portuges.* 2021-07-09. Version 1.2t. LICENSE: lppl1.3. The package provides the language definition file for support of Portuguese and Brazilian Portuguese in . Some shortcuts are defined, as well as translations to Portuguese of standard “LaTeX names”.  
URL: <https://ctan.org/pkg/babel-portuges>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/portuges>
  - *The babel-scottish package. Babel support for Scottish Gaelic.* 2018-01-13. Version 1.0g. LICENSE: lppl1.3. The package provides the language definition file for support of Gaidhlig (Scottish Gaelic) in . Some shortcuts are defined, as well as translations of standard “LaTeX names”.  
URL: <https://ctan.org/pkg/babel-scottish>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/scottish>
  - *The babel-slovenian package. Babel support for typesetting Slovenian.* 2021-02-06. Version 1.2n. LICENSE: lppl1.3. The package provides the language definition file for support of Slovenian in . Several shortcuts are defined, as well as translations to Slovenian of standard “LaTeX names”.  
URL: <https://ctan.org/pkg/babel-slovenian>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/slovenian>
- López, Javier Bezos, Johannes L. Braams, Claudio Beccari, and Maurizio Codogno. *The babel-italian package. Babel support for Italian text.* 2022-04-03. Version 1.4.07. LICENSE: lppl1.3c. The package provides language definitions for use in .  
URL: <https://ctan.org/pkg/babel-italian>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/italian>
- López, Javier Bezos, Johannes L. Braams, Jana Chlebíková, and Petr Tesařík. *The babel-slovak package. Babel support for typesetting Slovak.* 2018-01-13. Version 3.1a. LICENSE: lppl1.3. The package provides the language definition file for support of Slovak in , including Slovak variants of LaTeX built-in-names. Shortcuts are also defined.  
URL: <https://ctan.org/pkg/babel-slovak>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/slovak>
- López, Javier Bezos, Johannes L. Braams, and Sten Hellman. *The babel-swedish package. Babel support for typesetting Swedish.* 2021-02-06. Version 2.3e. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/babel-swedish>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/swedish>
- López, Javier Bezos, Johannes L. Braams, Umstatter Horst, and Robert Juhasz. *The babel-romanian package. Babel support for Romanian.* 2021-04-05. Version 1.2m. LICENSE: lppl1.3. The package provides the language definition file for support of Romanian in . Translations to Romanian of standard “LaTeX names” are provided.  
URL: <https://ctan.org/pkg/babel-romanian>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/romanian>
- López, Javier Bezos, Johannes L. Braams, and Regnor Jernsletten. *The babel-samin package. Babel support for Samin.* 2018-01-13. Version 1.0c. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/babel-samin>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/samin>
- López, Javier Bezos, Johannes L. Braams, Boris Lavva, and Arthur Rosendahl. *The babel-hebrew package. Babel support for Hebrew.* 2019-10-31. Version 2.3h. LICENSE: lppl1.3

- URL: <https://ctan.org/pkg/babel-hebrew>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/hebrew>
- López, Javier Bezos, Johannes L. Braams, and Luis Martí. *The babel-esperanto package. Babel support for Esperanto*. 2018-01-13. Version 1.4t. LICENSE: lppl1.3. The package provides the language definition file for support of Esperanto in . Some shortcuts are defined, as well as translations to Esperanto of standard “LaTeX names”.  
 URL: <https://ctan.org/pkg/babel-esperanto>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/esperanto>
- López, Javier Bezos, Johannes L. Braams, Elmar Schalück, Michael Janich, and Marcin Woliński. *The babel-polish package. Babel support for Polish*. 2022-03-12. Version 1.3. LICENSE: lppl1.3. The package provides the language definition file for support of Polish in . Some shortcuts are defined, as well as translations to Polish of standard “LaTeX names”.  
 URL: <https://ctan.org/pkg/babel-polish>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/polish>
- López, Javier Bezos, Johannes L. Braams, and Uroš Stefanović. *The babel-serbian package. Babel/Polyglossia support for Serbian*. 2022-09-30. Version 2.2a. LICENSE: lppl1.3. The package provides support for Serbian documents written in Latin, in .  
 URL: <https://ctan.org/pkg/babel-serbian>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/serbian>
- López, Javier Bezos, Johannes L. Braams, and Eduard Werner. *The babel-sorbian package. Babel support for Upper and Lower Sorbian*. 2021-11-06. Version 1.0j. LICENSE: lppl1.3. The package provides language definitions file for support of both Upper and Lower Sorbian, in . Some shortcuts are defined, as well as translations to the relevant language of standard “LaTeX names”.  
 URL: <https://ctan.org/pkg/babel-sorbian>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/sorbian>
- López, Javier Bezos and Francesc Carmona. *The hyphen-spanish package. Standard hyphenation rules for Spanish*. 2020-04-20. Version 5.0. LICENSE: mit. This directory is a permanent place for the latest official release of the hyphenation patterns for the Spanish language, valid for , , and , with the tools used to generate them.  
 URL: <https://ctan.org/pkg/hyphen-spanish>  
 MIRROR: <https://mirror.ctan.org/language/spanish/hyphen-spanish>
- López, Javier Bezos and Thomas Ruedas. *The fonteinf package. An introduction to font usage in L<sup>A</sup>T<sub>E</sub>X (German)*. 2016-06-24. LICENSE: nosource. A German translation of a on how to use fonts in L<sup>A</sup>T<sub>E</sub>X.  
 URL: <https://ctan.org/pkg/fonteinf>  
 MIRROR: <https://mirror.ctan.org/info/german/fonteinf.pdf>
- López, Javier Bezos and Julio Sanchez. *The babel-spanish package. Babel support for Spanish*. 2021-05-27. Version 5.0q. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/babel-spanish>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/spanish>
- López, Joaquín Ataz. *The guia-bibtex package. Guia casi completa de BibTeX*. 2016-06-24. LICENSE: fdl  
 URL: <https://ctan.org/pkg/guia-bibtex>  
 MIRROR: <https://mirror.ctan.org/info/spanish/guia-bibtex>
- López-Valencia, Alejandro and Santafé de Bogotá. *The oztex-fonts package. Fonts packaged for use in OzTeX*. 2016-06-24. LICENSE: other-free  
 URL: <https://ctan.org/pkg/oztex-fonts>  
 MIRROR: <https://mirror.ctan.org/systems/mac/fonts/oztex>
- Lorenz, Björn. *The neufont package. New font installation*. 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/neufont>  
 MIRROR: <https://mirror.ctan.org/info/german/neufont.tex>
- Lorenzen, Klaus F. and Helge Baumann. *The din1505 package. Bibliography styles for German texts*. 2016-06-24. LICENSE: other-free. A set of bibliography styles that conform to DIN 1505, and match the original BibTeX standard set ( , , and ), together with a style to work with .  
 URL: <https://ctan.org/pkg/din1505>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/german/din1505>
- Loretan, Mico. *The selnolig package. Selectively disable typographic ligatures*. 2018-03-07. Version 0.302. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/selnolig>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/latex/selnolig>
- Loretí, Maurizio. *The brushscr package. A handwriting script font*. 2019-07-06. LICENSE: pd. The BrushScript font simulates hand-written characters; it is distributed in Adobe Type 1 format (but is available in italic shape only). The package includes the files needed by L<sup>A</sup>T<sub>E</sub>X in order to use that font. The file fully describes the package and illustrates its use.

- URL: <https://ctan.org/pkg/brushscr>  
 MIRROR: <https://mirror.ctan.org/fonts/brushscr>
- Loreti, Maurizio. *The bsheaders package. Double-ruled chapter heading style*. 2019-07-06. LICENSE: gpl. The style, inspired by those in a book by Bjarne Stroustrup, implements chapter headers in sans-serif and bounded by lines wide, both above and below the header itself.  
 URL: <https://ctan.org/pkg/bsheaders>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bsheaders>
- *The lucold package. Use old-style digits with Lucida fonts*. 2021-09-11. LICENSE: gpl. The package provides the means to switch the rendering of all the digits of a document from ‘lining’ to ‘old-style’ numbers, when using Lucida fonts. The switch affects all digits in text mode, or all digits in text and math mode. It works both for normal weight and boldface text and math; since the boldface old-style digits are in the Lucida Expert font set, you need it for the boldface digits. Includes a set of AWK programs used to automatically build ., and files from the existing Lucida PSNFSS distribution, and that may easily be changed for the generation of different virtual files for whatever font.  
 URL: <https://ctan.org/pkg/lucold>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/lucold>
  - *The recipe package. A L<sup>A</sup>T<sub>E</sub>X class to typeset recipes*. 2019-07-06. Version 0.9. LICENSE: pd. The layout design is relatively straightforward (and traditional: see ‘sample output’ under ‘documentation’); the class uses the Bookman and the fonts.  
 URL: <https://ctan.org/pkg/recipe>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/recipe>
  - *The RGB package. Tables of RGB colour parameters*. 2019-07-06. Version 1.2. LICENSE: other-free. The Linux (distributed as part of X11 distributions) is mechanically converted to a L<sup>A</sup>T<sub>E</sub>X file, which has been compiled to make the distribution. For details of the procedure, and sources, see the package’s home page.  
 URL: <https://ctan.org/pkg/rgb>  
 MIRROR: <https://mirror.ctan.org/info/colour/rgb>
  - *The sfheaders package. Sans headers*. 2019-07-06. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/sfheaders>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/sfheaders>
  - *The webomints package. Webomints font support*. 2021-09-11. Version 1.1c. LICENSE: other-nonfree. A set of files for using the Galapagos Design Group’s with (La)TeX. The original announcement of the font said “Created by George Ryan, Web-O-Mints contains a rich assortment of typographic decorations inspired by historical sources”. A copy of the type 1 font file is included with the distribution, as are test (demonstration) files.  
 URL: <https://ctan.org/pkg/webomints>  
 MIRROR: <https://mirror.ctan.org/fonts/webomints>
- Loreti, Maurizio and Ryan Kavanagh. *The lintex package. Tidy up after a T<sub>E</sub>X run*. 2016-06-24. Version 1.13. LICENSE: gpl  
 URL: <https://ctan.org/pkg/lintex>  
 MIRROR: <https://mirror.ctan.org/support/lintex>
- Lotz, Manfred. *The pkgcheck package. CTAN package checker*. 2022-12-26. Version 3.1.0. LICENSE: apache2,mit  
 URL: <https://ctan.org/pkg/pkgcheck>  
 MIRROR: <https://mirror.ctan.org/support/pkgcheck>
- Lotze, Thomas. *The genmpage package. Generalization of L<sup>A</sup>T<sub>E</sub>X’s minipages*. 2016-06-24. Version 0.3.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/genmpage>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/genmpage>
- Lounsbury, Andrew. *The latex-for-undergraduates package. A tutorial aimed at introducing undergraduate students to L<sup>A</sup>T<sub>E</sub>X*. 2022-10-07. Version 1.0.2. LICENSE: pd  
 URL: <https://ctan.org/pkg/latex-for-undergraduates>  
 MIRROR: <https://mirror.ctan.org/info/latex-for-undergraduates>
- *The suppose package. Abbreviate the word “Suppose”*. 2021-05-20. Version 1.2.2. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/suppose>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/suppose>
- Louthan, George. *The tucv package. Support for typesetting a CV or résumé*. 2016-06-24. Version 1.0. LICENSE: other-free  
 URL: <https://ctan.org/pkg/tucv>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tucv>
- Love, David. *The truecols package. Colour facilities for S<sub>l</sub>iTeX*. 2016-06-24. Version 1.2. LICENSE: gpl  
 URL: <https://ctan.org/pkg/truecols>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/truecols.doc>



- Lovell, Matthew. *The register package. Typeset programmable elements in digital hardware (registers)*. 2020-03-22. Version 2.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/register>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/register>
- Lubbers, Mart. *The rutitlepage package. Radboud University Titlepage Package*. 2022-02-22. Version 3.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/rutitlepage>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/rutitlepage>
- Lubenets, Yuri. *The LaTeX-WIDE package. Multifunctional editor for L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. LICENSE: nocommercial  
 URL: <https://ctan.org/pkg/latexwide>  
 MIRROR: [https://mirror.ctan.org/systems/win32/LaTeX\\_WIDE](https://mirror.ctan.org/systems/win32/LaTeX_WIDE)
- *The russian-help package. L<sup>A</sup>T<sub>E</sub>X help in Russian*. 2016-06-18. LICENSE: pd  
 URL: <https://ctan.org/pkg/russian-help>  
 MIRROR: <https://mirror.ctan.org/info/win-help/latex/russian>
- Lück, Uwe. *The adhocfilelist package. ‘listfiles’ entries from the command line*. 2017-05-05. LICENSE: lppl  
 URL: <https://ctan.org/pkg/adhocfilelist>  
 MIRROR: <https://mirror.ctan.org/support/adhocfilelist>
- *The bitelist package. Split list, in T<sub>E</sub>X’s mouth*. 2017-05-05. Version 0.1. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/bitelist>  
 MIRROR: <https://mirror.ctan.org/macros/generic/bitelist>
  - *The catcodes package. Generic handling of T<sub>E</sub>X category codes*. 2017-05-05. Version r0.2. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/catcodes>  
 MIRROR: <https://mirror.ctan.org/macros/generic/catcodes>
  - *The commado package. Expandable iteration on comma-separated and filename lists*. 2017-05-05. Version r0.11a. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/commado>  
 MIRROR: <https://mirror.ctan.org/macros/generic/commado>
  - *The dhua package. German abbreviations using thin space*. 2017-05-05. Version 0.11. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/dhua>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/dhua>
  - *The doc-pictex package. A summary list of PicTeX documentation*. 2017-05-05. LICENSE: other-free  
 URL: <https://ctan.org/pkg/doc-pictex>  
 MIRROR: <https://mirror.ctan.org/info/pictex/Doc-PiCTeX.txt>
  - *The dowith package. Apply a command to a list of items*. 2017-05-05. Version r0.32. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/dowith>  
 MIRROR: <https://mirror.ctan.org/macros/generic/dowith>
  - *The edfnotes package. Critical annotations to footnotes with ednotes*. 2018-01-06. Version 0.6b. LICENSE: lppl1.3. The package modifies the annotation commands and label-test mechanism of the package so that critical notes appear on the pages and in the order that one would expect.  
 URL: <https://ctan.org/pkg/edfnotes>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/edfnotes>
  - *The ednotes package. Typeset scholarly editions*. 2022-12-07. Version 1.3a. LICENSE: lppl  
 URL: <https://ctan.org/pkg/ednotes>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ednotes>
  - *The ffinddo package. Filtering files using T<sub>E</sub>X*. 2017-05-06. Version 0.61. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/ffinddo>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/nicetext/use/ffinddo.sty>
  - *The ffinddo-info package. German HTML beamer presentation on nicetext and morehype*. 2017-05-06. Version 1.1b. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/ffinddo-info>  
 MIRROR: <https://mirror.ctan.org/info/ffinddo-info>
  - *The filedate package. Access and compare info and modification dates*. 2017-05-06. LICENSE: lppl. The package provides basic access to the date of a L<sup>A</sup>T<sub>E</sub>X source file according to its entry (the “info date”) as well as to its modification date according to if the latter is available.  
 URL: <https://ctan.org/pkg/filedate>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/filedate>
  - *The fileinfo package. Enhanced display of L<sup>A</sup>T<sub>E</sub>X File Information*. 2018-01-06. Version 0.81a. LICENSE: lppl1.3. The bundle provides two packages, and . The package provides a means of reading file information without loading the body of the file. The package



uses and controls what will report.

URL: <https://ctan.org/pkg/fileinfo>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fileinfo>

Lück, Uwe. *The finstrut package. Adjust behaviour of the ends of footnotes*. 2017-05-06. Version 0.5. LICENSE: lppl1.3. The  $\LaTeX$  internal command is used automatically used at the end of footnote texts to insert a strut to avoid mis-spacing of multiple footnotes. Unfortunately the command can cause a blank line at the end of a footnote. The package provides a solution to this problem.

URL: <https://ctan.org/pkg/finstrut>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/finstrut>

— *The ifnextok package. Utility macro: peek ahead without ignoring spaces*. 2017-05-06. Version 0.3. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/ifnextok>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ifnextok>

— *The inputtrc package. Trace which file loads which*. 2017-05-06. Version 0.3. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/inputtrc>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/inputtrc>

— *The langcode package. Simple language-dependent settings based on language codes*. 2017-05-06. Version 0.2. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/langcode>

MIRROR: <https://mirror.ctan.org/macros/generic/langcode>

— *The latexfileinfo-pkgs package. A comparison of packages showing  $\LaTeX$  file information*. 2017-05-06. Version 0.22. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/latexfileinfo-pkgs>

MIRROR: <https://mirror.ctan.org/info/latexfileinfo-pkgs>

— *The longnamefilelist package. Tidy  $\backslash$ listfiles with long file names*. 2017-05-06. Version 0.2. LICENSE: lppl1.3. The package equips  $\LaTeX$ 's command with an optional argument for the number of characters in the longest base filename. This way you get a neatly aligned file list even when it contains files whose base names have more than 8 characters. The package can be combined with the package as explained in the documentation.

URL: <https://ctan.org/pkg/longnamefilelist>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/longnamefilelist>

— *The ltabptch package. Bug fix for longtable*. 2017-05-06. Version 1.74d. LICENSE: lppl. A patch for  $\LaTeX$  bugs tools/3180 and tools/3480. The patch applies to version 4.11 of .

URL: <https://ctan.org/pkg/ltabptch>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ltabptch>

— *The makedoc package. Preprocessing documentation with  $T_{\text{E}}X$* . 2017-05-06. Version 0.52. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/makedoc>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/nicetext>

— *The monofill package. Alignment of plain text*. 2017-05-06. Version 0.2. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/monofill>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/monofill>

— *The morehype package. Hypertext tools for use with  $\LaTeX$* . 2017-05-06. Version r0.83. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/morehype>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/morehype>

— *The myfilist package. Configuring the output of the  $\backslash$ listfiles command*. 2018-01-06. Version 0.71. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/myfilist>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fileinfo>

— *The nicefilelist package. Provide  $\backslash$ listfiles alignment*. 2023-02-14. Version 0.9b. LICENSE: lppl1.3c

URL: <https://ctan.org/pkg/nicefilelist>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/nicefilelist>

— *The nicetext package. Minimal markup for simple text (Wikipedia style) and documentation*. 2017-05-06. Version r0.67. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/nicetext>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/nicetext>

— *The niceverb package. Minimising markup for documenting  $\LaTeX$  packages*. 2017-05-06. Version 0.51. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/niceverb>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/nicetext/use/niceverb.sty>

- *The pictex-autoarea package. Automatic computation of bounding boxes with PiCTeX.* 2021-06-10. Version 0.3a. LICENSE: lppl  
 URL: <https://ctan.org/pkg/pictex-autoarea>  
 MIRROR: <https://mirror.ctan.org/graphics/pictex-addons/autoarea>
- Lück, Uwe. *The plainpkg package. A minimal method for making generic packages.* 2017-05-06. Version 0.4a. LICENSE: lppl1.3. The package provides a minimal method for making generic (i.e., T<sub>E</sub>X-format-independent) packaged, combining functionality, fallback definitions for L<sup>A</sup>T<sub>E</sub>X and functionality, and handling of arbitrary (multiple) “private letters” (analogous L<sup>A</sup>T<sub>E</sub>X packages’ use of “”) in nested package files. The documentation contains a central reference for making and using generic packages based on the package.  
 URL: <https://ctan.org/pkg/plainpkg>  
 MIRROR: <https://mirror.ctan.org/macros/generic/plainpkg>
- *The readprov package. Provides GetFileInfo without the need to load the file.* 2017-05-06. Version 0.5. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/readprov>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fileinfo>
- *The tamefloats package. Experimentally use \holdinginserts with L<sup>A</sup>T<sub>E</sub>X floats.* 2017-05-06. Version 0.42. LICENSE: lppl1.3. L<sup>A</sup>T<sub>E</sub>X’s figures, tables, and s are dangerous for footnotes (and probably also ). Here is a proposal (a ‘patch’ package) to help, by using in a simple way. It replaces the original problem with a new one — it is an experiment to find out whether the new problem is less bad (or it is just a contribution to the discussion, maybe just a summary of previous work). The files provide further information.  
 URL: <https://ctan.org/pkg/tamefloats>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tamefloats>
- *The typeoutfileinfo package. Display class/package/file information.* 2017-05-06. Version 0.31. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/typeoutfileinfo>  
 MIRROR: <https://mirror.ctan.org/support/typeoutfileinfo>
- *The versions package. Optionally omit pieces of text.* 2017-05-06. Version 0.55. LICENSE: lppl1.3. Stephan Bellantoni’s has provided preamble commands for selecting environments to be included/excluded. This package does the same, but corrects, improves, and extends it in both implementation and function.  
 URL: <https://ctan.org/pkg/versions>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/versions>
- *The wiki package. Use Wiki-style markup in a L<sup>A</sup>T<sub>E</sub>X document.* 2017-05-06. Version 0.2. LICENSE: lppl  
 URL: <https://ctan.org/pkg/wiki>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/nicetext>
- Lück, Uwe and Karl Wette. *The fnlineno package. Number the lines of footnotes.* 2022-12-05. Version 0.55. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/fnlineno>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/lineno>
- Lüddecke, Jobst-Hartmut. *The bard package. Celtic bardic runes font.* 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/bard>  
 MIRROR: <https://mirror.ctan.org/fonts/bard/bard.mf>
- *The srune package. Saxon rune font.* 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/srune>  
 MIRROR: <https://mirror.ctan.org/fonts/srune>
- Ludewig, Berthold. *The schwel1 package. Calligraphic font for typesetting handwriting in Schwell style.* 2016-07-29. LICENSE: lppl  
 URL: <https://ctan.org/pkg/schwell>  
 MIRROR: <https://mirror.ctan.org/fonts/gothic/sueterlin>
- *The sueterlin package. Calligraphic font for typesetting handwriting in Sütterlin style.* 2016-07-29. LICENSE: pd  
 URL: <https://ctan.org/pkg/sueterlin>  
 MIRROR: <https://mirror.ctan.org/fonts/gothic/sueterlin>
- *The va package. Handwriting fonts.* 2016-06-24. LICENSE: noinfo. Two fonts, va14 and vacal14, provided as Metafont source. The distribution includes a L<sup>A</sup>T<sub>E</sub>X .fd file, and full macro support for use with L<sup>A</sup>T<sub>E</sub>X is available in the bundle.  
 URL: <https://ctan.org/pkg/va>  
 MIRROR: <https://mirror.ctan.org/fonts/va>
- Ludwig, Matthias and Christine Römer. *The translation-enumitem-de package. Enumitem documentation, in German.* 2016-06-24. LICENSE: lppl. This is a translation of the manual for .  
 URL: <https://ctan.org/pkg/translation-enumitem-de>  
 MIRROR: <https://mirror.ctan.org/info/translations/enumitem/de>
- Luecking, Daniel H. *The fntproof package. A programmable font test pattern generator.* 2016-06-24. LICENSE: pd. The package implements all the font testing commands of Knuth’s , but arranges that information necessary for each command is supplied as arguments to that command, rather than prompted for. This makes it possible to type all the tests in one command line, and easy

to input the package in a file and to use the commands there. A few additional commands supporting this last purpose are also made available.

URL: <https://ctan.org/pkg/fntproof>

MIRROR: <https://mirror.ctan.org/macros/generic/fntproof>

Luecking, Daniel H. *The mathdots package. Commands to produce dots in math that respect font size*. 2016-06-24. Version 0.9. LICENSE: lppl. Redefines `\mathdots` and `\mathdots*`, and defines `\mathdots*`. The dots produced by `\mathdots*` slant in the opposite direction to `\mathdots`. All the commands are designed to change size appropriately in scripts, as well as in response to L<sup>A</sup>T<sub>E</sub>X size changing commands. The commands may also be used in plain T<sub>E</sub>X.

URL: <https://ctan.org/pkg/mathdots>

MIRROR: <https://mirror.ctan.org/macros/generic/mathdots>

— *The minifp package. Fixed-point real computations to 8 decimals*. 2016-06-24. Version 0.96. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/minifp>

MIRROR: <https://mirror.ctan.org/macros/generic/minifp>

— *The nkarta package. A "new" version of the karta cartographic fonts*. 2016-06-24. Version 0.2. LICENSE: pd. A development of the font, offering more mathematical stability in Metafont. A version that will produce the glyphs as Encapsulated PostScript, using MetaPost, is also provided.

URL: <https://ctan.org/pkg/nkarta>

MIRROR: <https://mirror.ctan.org/fonts/nkarta>

— *The plstmary package. St. Mary's Road font support for plain T<sub>E</sub>X*. 2016-06-24. Version 0.5c. LICENSE: pd. The package provides commands to produce all the symbols of the fonts, in a Plain T<sub>E</sub>X environment.

URL: <https://ctan.org/pkg/plstmary>

MIRROR: <https://mirror.ctan.org/macros/plain/contrib/plstmary>

— *The splines package. MetaPost macros for drawing cubic spline interpolants*. 2016-06-24. Version 0.2. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/splines>

MIRROR: <https://mirror.ctan.org/graphics/metapost/contrib/macros/splines>

— *The threeddice package. Create images of dice with one, two, or three faces showing, using MetaPost*. 2016-06-24. Version 1.0. LICENSE: lppl

URL: <https://ctan.org/pkg/threeddice>

MIRROR: <https://mirror.ctan.org/graphics/metapost/contrib/macros/threeddice>

Luecking, Daniel H. and Donald Arseneau. *The excludeonly package. Prevent files being \include-ed*. 2016-06-24. Version 1.0. LICENSE: pd

URL: <https://ctan.org/pkg/excludeonly>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/excludeonly>

Luecking, Daniel H. and Geoffrey Tobin. *The mfpic package. Draw Metafont/post pictures from (La)T<sub>E</sub>X commands*. 2016-06-24. Version 1.10. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/mfpic>

MIRROR: <https://mirror.ctan.org/graphics/mfpic>

Luengo, Pablo González. *The ltximg package. Extract L<sup>A</sup>T<sub>E</sub>X environments into separate image files*. 2021-05-22. Version 2.1. LICENSE: gpl3+. `ltximg` is a Perl script that automates the process of extracting and converting environments provided by `\usepackage`, and other packages from input file to image formats and standalone files using `\includegraphics`. It generates a file with only extracted environments and another with all extracted environments converted to `\includegraphics`.

URL: <https://ctan.org/pkg/ltximg>

MIRROR: <https://mirror.ctan.org/support/ltximg>

— *The scontents package. Stores L<sup>A</sup>T<sub>E</sub>X contents in memory or files*. 2022-04-04. Version 2.0. LICENSE: lppl1.3c. This package stores valid L<sup>A</sup>T<sub>E</sub>X code in memory (sequences) using the module of `\usepackage`. The stored content (including verbatim) can be used as many times as desired in the document, additionally can be written to external files if desired.

URL: <https://ctan.org/pkg/scontents>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/scontents>

Lukasczyk, Stephan. *The se2thesis package. A Thesis Class for the Chair of Software Engineering II at the University of Passau, Germany*. 2023-01-27. Version 2.1.0. LICENSE: lppl1.3c. The `se2thesis` bundle provides a document class for writing a theses with the `se2thesis` class at the University of Passau, Germany. The class is based on Markus Kohm's classes and provides several additions and customizations to these classes. While the class provides some basic settings, mostly regrading the type area, fonts, and the title page, it still provides large degrees of freedom to its users. However, the package's documentation also provides recommendations regarding several aspects, for example, recommending for bibliographies.

URL: <https://ctan.org/pkg/se2thesis>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/se2thesis>

- Lulli, Paolo. *The texpack package. Create documented L<sup>A</sup>T<sub>E</sub>X classes, packages and docs in a Unix environment*. 2016-06-24. LICENSE: gpl. Texpack is a little bundle of scripts to create documented L<sup>A</sup>T<sub>E</sub>X style, class files and docs. Texpack provides useful scripts for the automated creation of the skeleton required by documented T<sub>E</sub>X files. It is useful both for creating packages () and new classes (). Texpack also provides a command to automate the creation of commonly needed L<sup>A</sup>T<sub>E</sub>X skeleton files. This feature is mostly useful for the Italian author, but also provides the fast creation of a conditional preamble for handling / compilation.  
URL: <https://ctan.org/pkg/texpack>  
MIRROR: <https://mirror.ctan.org/support/texpack>
- Lundqvist, Mikael. *The mif2xfig package. Conversion between Frame Maker and Xfig*. 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/mif2xfig>
- Lupkowski, Paweł. *The fancyslides package. Custom presentation class built upon L<sup>A</sup>T<sub>E</sub>X Beamer*. 2016-06-24. Version 1.0. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/fancyslides>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fancyslides>
- Lupton, Robert. *The rtf2tex package. Convert RTF to T<sub>E</sub>X*. 2016-06-24. Version 1.02. LICENSE: other-free  
URL: <https://ctan.org/pkg/rtf2tex>  
MIRROR: <https://mirror.ctan.org/support/rtf2tex>
- Luque, Jean-Gabriel. *The pst-cox package. Drawing regular complex polytopes with PSTricks*. 2019-02-03. Version 0.98 Beta. LICENSE: lgpl  
URL: <https://ctan.org/pkg/pst-cox>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-cox>
- Luque, Manuel. *The pst-contourplot package. Draw implicit functions using the “marching squares” algorithm*. 2018-07-23. Version 0.6. LICENSE: lppl. This package allows to draw implicit functions “f(x,y) = 0” with options for coloring the inside of the surfaces, for marking the points and arrowing the curve at points chosen by the user. The package uses the algorithm.  
URL: <https://ctan.org/pkg/pst-contourplot>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-contourplot>
- Luque, Manuel, Denis Girou, and Herbert Voß. *The pst-lens package. Lenses with PSTricks*. 2018-09-15. Version 1.02. LICENSE: lppl. This package provides a really rather simple command that will draw a lens. Command parameters provide a remarkable range of effects.  
URL: <https://ctan.org/pkg/pst-lens>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-lens>
- Luque, Manuel and Christophe Jorssen. *The pst-osci package. Oscgons with PSTricks*. 2018-09-15. Version 2.82. LICENSE: lppl. This package enables you to produce oscilloscope “screen shots”. Three channels can be used to represent the most common signals (damped or not): namely sinusoidal, rectangular, triangular, dog’s tooth (left and right oriented). The third channel allows you to add, to subtract or to multiply the two other signals. Lissajous diagrams (XY-mode) can also be obtained.  
URL: <https://ctan.org/pkg/pst-osci>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-osci>
- Luque, Manuel, Giuseppe Matarazzo, and Herbert Voß. *The pst-geo package. Geographical Projections*. 2021-09-01. Version 0.07. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-geo>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-geo>
- Luque, Manuel and Herbert Voß. *The pst-am package. Simulation of modulation and demodulation*. 2016-06-24. Version 1.02. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-am>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-am>
- *The pst-calendar package. Plot calendars in “fancy” ways*. 2021-09-11. Version 0.48. LICENSE: lppl. The package uses and to draw tabular calendars, or calendars on dodecahedra with a month to each face (the package also requires the and packages). The package works for years 2000–2099, and has options for calendars in French German and English, but the documentation is not available in English.  
URL: <https://ctan.org/pkg/pst-calendar>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-calendar>
  - *The pst-cie package. CIE color space*. 2021-11-04. Version 1.06b. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-cie>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-cie>

- *The pst-diffraction package. Print diffraction patterns from various apertures.* 2022-04-06. Version 2.03. LICENSE: lppl  
 URL: <https://ctan.org/pkg/pst-diffraction>  
 MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-diffraction>
- Luque, Manuel and Herbert Voß. *The pst-fun package. Draw “funny” objects with PSTricks.* 2016-06-24. Version 0.04. LICENSE: lppl  
 URL: <https://ctan.org/pkg/pst-fun>  
 MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-fun>
- *The pst-mirror package. Images on a spherical mirror.* 2021-09-14. Version 1.02. LICENSE: lppl  
 URL: <https://ctan.org/pkg/pst-mirror>  
 MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-mirror>
- *The pst-optic package. Drawing optics diagrams.* 2022-04-06. Version 1.02. LICENSE: lppl  
 URL: <https://ctan.org/pkg/pst-optic>  
 MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-optic>
- *The pst-platon package. Platonic solids in PSTricks.* 2018-09-15. Version 0.01. LICENSE: lppl. The package adds to the ability to draw 3-dimensional views of the five Platonic solids.  
 URL: <https://ctan.org/pkg/pst-platon>  
 MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-platon>
- *The pst-rubans package. Draw three-dimensional ribbons.* 2018-09-15. Version 1.2. LICENSE: lppl. The package uses and to draw three dimensional ribbons on a cylinder, torus, sphere, cone or paraboloid. The width of the ribbon, the number of turns, the colour of the outer and the inner surface of the ribbon may be set. In the case of circular and conical helices, one may also choose the number of ribbons.  
 URL: <https://ctan.org/pkg/pst-rubans>  
 MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-rubans>
- *The pst-solarsystem package. Plot the solar system for a specific date.* 2018-09-15. Version 0.13. LICENSE: lppl. The package uses to produce diagrams of the visible planets, projected on the plane of the ecliptic. It is not possible to represent all the planets in their real proportions, so only Mercury, Venus, Earth and Mars have their orbits in correct proportions and their relative sizes are observed. Saturn and Jupiter are in the right direction, but not in the correct size.  
 URL: <https://ctan.org/pkg/pst-solarsystem>  
 MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-solarsystem>
- *The pst-spirograph package. Drawing hypotrochoids as with a spirograph.* 2020-04-11. LICENSE: lppl  
 URL: <https://ctan.org/pkg/pst-spirograph>
- *The pst-thick package. Drawing very thick lines and curves.* 2018-09-15. Version 1.0. LICENSE: lppl. The package supports drawing of very thick lines and curves in , with various fillings for the body of the lines.  
 URL: <https://ctan.org/pkg/pst-thick>  
 MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-thick>
- *The pst-vue3d package. Draw perspective views of three dimensional objects.* 2020-04-11. Version 1.24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/pst-vue3d>  
 MIRROR: <https://mirror.ctan.org/obsolete/graphics/pstricks/contrib/pst-vue3d>
- Luttinen, Jaakko. *The tikz-bayesnet package. Draw Bayesian networks, graphical models and directed factor graphs.* 2016-06-24. Version 0.1. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/tikz-bayesnet>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikz-bayesnet>
- Luz, Saturnino. *The mnotes package. Margin annotation for collaborative writing.* 2022-05-25. Version 0.9. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/mnotes>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mnotes>
- Lyu, Jianrui. *The codehigh package. Highlight code and demos with l3regex and lpeg.* 2023-02-11. Version 2023A. LICENSE: lppl1.3c. This package uses the package from the L<sup>A</sup>T<sub>E</sub>X3 Programming Layer to parse and highlight source code and demos. It is more powerful than the package, and more easy to use than . But it is slower than both of them. Therefore in LuaT<sub>E</sub>X the package provides another way to highlight code: using LPeg (Parsing Expression Grammars for Lua). LPeg is much more powerful and faster than .  
 URL: <https://ctan.org/pkg/codehigh>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/codehigh>
- *The functional package. Provide an intuitive functional programming interface for L<sup>A</sup>T<sub>E</sub>X2.* 2023-01-07. Version 2023A. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/functional>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/functional>



- *The jnuexam package. Exam class for Jinan University.* 2020-11-06. Version 1.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/jnuexam>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/jnuexam>
- Lyu, Jianrui. *The ninecolors package. Select colors with proper WCAG color contrast.* 2022-02-13. Version 2022D. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/ninecolors>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ninecolors>
- *The tabularray package. Typeset tabulars and arrays with L<sup>A</sup>T<sub>E</sub>X3.* 2023-03-01. Version 2023A. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/tabularray>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tabularray>
- Lyubashenko, Volodymyr and Yurii Beshpalov. *The t-angles package. Draw tangles, trees, Hopf algebra operations and other pictures.* 2017-04-18. LICENSE: gpl. A L<sup>A</sup>T<sub>E</sub>X2e package for drawing tangles, trees, Hopf algebra operations and other pictures. It is based on emTeX or TPIC s. Therefore, it can be used with the most popular drivers, including emTeX drivers, dviwin, xdvi and dvips, and (using some code from ) it may also be used with pdfLaTeX.  
 URL: <https://ctan.org/pkg/t-angles>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/t-angles>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/nath>
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 MIRROR: <https://mirror.ctan.org/info/lshort/japanese>
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 URL: <https://ctan.org/pkg/ijqc>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/ijqc>
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 MIRROR: <https://mirror.ctan.org/biblio/bibtex/utis/r2bib>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/smartunits>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/webquiz>
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MIRROR: <https://mirror.ctan.org/support/autoconf>
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URL: <https://ctan.org/pkg/chapterfolder>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/chapterfolder>
  - *The smalltableof package. Create listoffigures etc. in a single chapter*. 2016-06-24. LICENSE: lppl  
URL: <https://ctan.org/pkg/smalltableof>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/smalltableof>
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URL: <https://ctan.org/pkg/syntrace>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/syntrace>
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URL: <https://ctan.org/pkg/mlbib>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mlbib>
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URL: <https://ctan.org/pkg/paper>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/paper>
  - *The thesis package. Typeset thesis*. 2018-01-06. Version 1f. LICENSE: gpl  
URL: <https://ctan.org/pkg/thesis>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/thesis>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/algpseudocodex>
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URL: <https://ctan.org/pkg/expex-acro>  
MIRROR: <https://mirror.ctan.org/macros/generic/expex-acro>
- Mattes, Eberhard. *The emtex package. A T<sub>E</sub>X system for MS-DOS and OS/2*. 2016-06-24. LICENSE: nosell  
URL: <https://ctan.org/pkg/emtex>  
MIRROR: <https://mirror.ctan.org/systems/msdos/emtex>
- *The qdtexvpl package. Quick and dirty virtual font creation*. 2016-06-24. Version 1.0. LICENSE: noinfo  
URL: <https://ctan.org/pkg/qdtexvpl>  
MIRROR: <https://mirror.ctan.org/fonts/utilities/qdtexvpl>
- Matthes, Alain. *The pgfornament package. Drawing of Vectorian ornaments with PGF/TikZ*. 2020-05-28. Version 1.2. LICENSE: lppl1.3. This package allows the drawing of Vectorian ornaments (196) with . The documentation presents the syntax and parameters of the macro “pgfornament”.  
URL: <https://ctan.org/pkg/pgfornament>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tkz/pgfornament>
- *The tkz-base package. Tools for drawing with a cartesian coordinate system*. 2023-02-15. Version 4.2c. LICENSE: lppl1.3. The bundle is a set of packages, designed to give mathematics teachers (and students) easy access to programming of drawings with .  
URL: <https://ctan.org/pkg/tkz-base>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tkz/tkz-base>

- *The tkz-berge package. Macros for drawing graphs of graph theory.* 2021-01-22. Version 2.0. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/tkz-berge>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tkz/tkz-berge>
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 URL: <https://ctan.org/pkg/tkz-doc>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tkz/tkz-doc>
- *The tkz-euclide package. Tools for drawing Euclidean geometry.* 2023-02-03. Version 5.02c. LICENSE: lppl1.3. The tkz-euclide package is a set of files designed to give math teachers and students easy access to the programming of Euclidean geometry with .  
 URL: <https://ctan.org/pkg/tkz-euclide>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tkz/tkz-euclide>
- *The tkz-fct package. Tools for drawing graphs of functions.* 2022-02-08. Version 1.7c. LICENSE: lppl1.3. The tkz-fct package is designed to give math teachers (and students) easy access to programming graphs of functions with and .  
 URL: <https://ctan.org/pkg/tkz-fct>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tkz/tkz-fct>
- *The tkz-graph package. Draw graph-theory graphs.* 2021-01-22. Version 2.0. LICENSE: lppl1.3. The package is designed to create graph diagrams as simply as possible, using .  
 URL: <https://ctan.org/pkg/tkz-graph>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tkz/tkz-graph>
- *The tkz-kiviat package. Draw Kiviat graphs.* 2023-02-15. Version 0.1b. LICENSE: lppl  
 URL: <https://ctan.org/pkg/tkz-kiviat>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/tkz/tkz-kiviat>
- *The tkz-linknodes package. Link nodes in mathematical environments.* 2023-02-15. Version 1.1d. LICENSE: lppl  
 URL: <https://ctan.org/pkg/tkz-linknodes>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/tkz/tkz-linknodes>
- *The tkz-tab package. Tables of signs and variations using PGF/TikZ.* 2023-02-15. Version 2.12c. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/tkz-tab>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tkz/tkz-tab>
- *The tkzexample package. Package for the documentation of all tkz-\* packages.* 2022-07-16. Version 1.45c. LICENSE: lppl1.3. This package is needed to compile the documentation of all tkz-\* packages (like ).  
 URL: <https://ctan.org/pkg/tkzexample>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tkz/tkzexample>
- Matthes, Alain, Apostolos Syropoulos, and Anastastios Dimou. *The alterqcm package. Multiple choice questionnaires in two column tables.* 2021-05-21. Version 4.42c. LICENSE: lppl1.3. The package is a L<sup>A</sup>T<sub>E</sub>X<sub>2</sub>ε package, for making multiple choices questionnaires in a table with two columns. The aim is to provide some useful macros to build QCM in tables. These macros may be used by only L<sup>A</sup>T<sub>E</sub>X<sub>2</sub>ε users. The package works with utf8, pdfLaTeX, LuaL<sup>A</sup>T<sub>E</sub>X and XeL<sup>A</sup>T<sub>E</sub>X (with some languages). The documentation is in English.  
 URL: <https://ctan.org/pkg/alterqcm>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/alterqcm>
- Matthias, Andreas. *The pdfpages package. Include PDF documents in L<sup>A</sup>T<sub>E</sub>X.* 2022-12-19. Version 0.5x. LICENSE: lppl1.3c. This package simplifies the inclusion of external multi-page PDF documents in L<sup>A</sup>T<sub>E</sub>X documents. Pages may be freely selected and similar to it is possible to put several logical pages onto each sheet of paper. Furthermore a lot of hypertext features like hyperlinks and article threads are provided. The package supports pdfTeX (pdfLaTeX) and VTeX. With VTeX it is even possible to use this package to insert PostScript files, in addition to PDF files.  
 URL: <https://ctan.org/pkg/pdfpages>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pdfpages>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/lpic>
- Maxwell, Adam R. *The onrannual package. Class for Office of Naval Research Ocean Battlespace Sensing annual report.* 2016-06-24. Version 1.1. LICENSE: lppl1.3  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/onrannual>

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URL: <https://ctan.org/pkg/tcbrowser>
  
- May, Ludwig and Jens Leilich. *The timing package. Fonts and macro package for drawing timing diagrams.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/timing>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/timing>
- May, Wolfgang. *The pst-dbicons package. Support for drawing ER diagrams.* 2016-06-24. Version 0.16. LICENSE: lppl. The package provides some useful macros in the database area. The package focusses on typesetting ER-Diagrams in a declarative style, i.e., by positioning some nodes and defining the position of all other nodes relative to them by using the standard database terminology. The package is required for using pst-dbicons, but no deep knowledge of PSTricks commands is required (although such knowledge is useful for exploiting the full functionality of the package).  
URL: <https://ctan.org/pkg/pst-dbicons>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-dbicons>
- May, Wolfgang and Andreas Schedler. *The ntheorem package. Enhanced theorem environment.* 2017-04-18. Version 1.33. LICENSE: lppl  
URL: <https://ctan.org/pkg/ntheorem>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ntheorem>
- Mayer, Gyula. *The huhyp package. Hyphenation patterns for the Hungarian language.* 2016-06-24. LICENSE: other-free. This set of patterns is now superseded by those in the .  
URL: <https://ctan.org/pkg/huhyp>  
MIRROR: <https://mirror.ctan.org/language/hyphenation/huhyp.tex>
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URL: <https://ctan.org/pkg/tex-converter>  
MIRROR: <https://mirror.ctan.org/support/tex-converter>
- Mayer, Steve and Benjamin Zeiss. *The LatexRender package. Use L<sup>A</sup>T<sub>E</sub>X in PHP programs.* 2018-01-06. Version 0.8. LICENSE: gpl. LatexRender is a set of scripts that allows one to call L<sup>A</sup>T<sub>E</sub>X from PHP programs; in particular, this allows users to enter L<sup>A</sup>T<sub>E</sub>X commands in a forum and, on posting, have it replaced by a suitable gif or png. LatexRender requires L<sup>A</sup>T<sub>E</sub>X and ImageMagick to be installed. The open source PHP code was originally designed for use with phpBB, but it can be adapted for use with other PHP programs. Details and example installations may be found in the maintainer's .  
URL: <https://ctan.org/pkg/latexrender>  
MIRROR: <https://mirror.ctan.org/support/latexrender>
- Mazoit, Frédéric. *The tableauVariations package. Variation tables in MetaPost.* 2016-06-24. LICENSE: gpl. Utility macros for creating tables of signs and of variations. The L<sup>A</sup>T<sub>E</sub>X package provides an interface to this package.  
URL: <https://ctan.org/pkg/tableauvariations>  
MIRROR: <https://mirror.ctan.org/graphics/metapost/contrib/macros/tableauvariations>
- Mazzamuto, Giacomo. *The europasscv package. Unofficial class for the new version of the Europass curriculum vitae.* 2020-11-01. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/europasscv>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/europasscv>
- McBane, George. *The gcard package. Arrange text on a sheet to fold into a greeting card.* 2016-06-24. LICENSE: lppl. The package provides a simple means of producing greeting cards. It arranges four panels onto a single sheet so that when the sheet is folded twice the four panels are arranged as front cover, inside left and right pages, and back cover. It uses the package for placement on the sheet and the package for the necessary rotation. The four panels are set in minipages for formatting by the user.  
URL: <https://ctan.org/pkg/gcard>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gcard>
- McCarthy, Adrian. *The ScriptTeX package. Macros for scripts and screenplays.* 2016-06-24. Version 1.04. LICENSE: nocommercial  
URL: <https://ctan.org/pkg/scripttex>  
MIRROR: <https://mirror.ctan.org/macros/scripttex>
- McCauley, James Darrell. *The cea package. Produce papers for Computers and Electronics in Agriculture.* 2016-06-24. Version 0.1a. LICENSE: noinfo  
URL: <https://ctan.org/pkg/cea>  
MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/misc/cea.sty>
- *The marnote package. Place text in the margin of a document.* 2016-06-24. Version 0.1. LICENSE: noinfo  
URL: <https://ctan.org/pkg/marnote>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/marnote.sty>



McClelland, Tony. *The corelfonts package. An installation script for Corel Ventura fonts.* 2016-06-24. LICENSE: lppl

URL: <https://ctan.org/pkg/corelfonts>

MIRROR: <https://mirror.ctan.org/fonts/utilities/corelfonts>

McCormick, Doc. *The hpgl2ps package. Translate HPGL to PostScript.* 2016-06-24. LICENSE: noinfo

URL: <https://ctan.org/pkg/hpgl2ps>

MIRROR: <https://mirror.ctan.org/graphics/hpgl2ps>

McDonnell, Rowland. *The cmolddig package. Virtual fount setup for using old style digits.* 2016-06-24. Version 1.6. LICENSE: lppl. This package is a virtual font setup for using old style digits by default with the OT1 encoded Computer Modern Roman upright fonts. The package does the same job for the T1 encoded EC fonts and is generally much better because the EC fonts are like that; but then again, OT1 encoded cmr is available for free in TrueType and PS Type 1 formats and has its uses in pdf files as a result.

URL: <https://ctan.org/pkg/cmolddig>

MIRROR: <https://mirror.ctan.org/fonts/cmolddig>

— *The eurofont package. Provides a command that prints a euro symbol.* 2016-06-24. Version 1.1.3. LICENSE: other-free. The particular symbol printed by will in general change depending on the font family, weight, and shape in use at the time. This symbol can come from any source, and the package user has complete control over which euro symbol is used in any given situation. The package is pre-configured to behave sensibly with many common text fonts and available euro symbols. The command can print ‘faked’ euro symbols from a C with two lines across it when no suitable real euro symbol is available; the package also includes code for printing fake bold euro symbols for use when no real bold symbol exists, as well as pre-configured support for a faked italic version of the font. Eurofont comes set up to use euro symbols from Adobe’s Eurofonts, the font, the font, and any available Text Companion fonts. The selection between these can be done using options passed to the package. The eurofont package also ‘knows’ about the font’s euro symbol, and can be configured to use it.

URL: <https://ctan.org/pkg/eurofont>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/eurofont>

— *The pageno package. Page number-only page styles.* 2017-05-30. LICENSE: nosell

URL: <https://ctan.org/pkg/pageno>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pageno>

— *The rmpage package. A package to help change page layout parameters in L<sup>A</sup>T<sub>E</sub>X.* 2019-06-09. Version 0.92. LICENSE: gpl. The package lets you change page layout parameters in small steps over a range of values using options. It can set appropriately for the main fount, and ensure that the text fits inside the printable area of a printer. An rmpage-formatted document can be typeset identically without rmpage after a single cut and paste operation. Local configuration can set defaults: for all documents; and by class, by printer, and by paper size. The package is better if you want to set page layout parameters to particular measurements.

URL: <https://ctan.org/pkg/rmpage>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/rmpage>

— *The sectsty package. Control sectional headers.* 2016-06-24. Version 2.0.2. LICENSE: lppl

URL: <https://ctan.org/pkg/sectsty>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/sectsty>

McHale, Ciaran. *The refer package. Convert a BibTeX bibliography to refer format.* 2016-06-18. LICENSE: noinfo

URL: <https://ctan.org/pkg/refer>

MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/misc/refer.bst>

McKay, Benjamin. *The dynkin-diagrams package. Draw Dynkin, Coxeter, and Satake diagrams using TikZ.* 2021-04-04. Version 3.14159265358979

LICENSE: lppl1.3c

URL: <https://ctan.org/pkg/dynkin-diagrams>

MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/dynkin-diagrams>

— *The epigraph-keys package. Epigraphs using key values.* 2021-03-24. Version 1.0. LICENSE: lppl1.3c

URL: <https://ctan.org/pkg/epigraph-keys>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/epigraph-keys>

— *The lie-hasse package. Draw Hasse diagrams.* 2021-03-24. Version 1.0. LICENSE: lppl1.3c. This package draws Hasse diagrams of the partially ordered sets of the simple roots of any complex simple Lie algebra. It uses the Dynkin diagrams package .

URL: <https://ctan.org/pkg/lie-hasse>

MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/lie-hasse>

— *The rank-2-roots package. Draw (mathematical) rank 2 root systems.* 2021-03-24. Version 1.0. LICENSE: lppl1.3c

URL: <https://ctan.org/pkg/rank-2-roots>

MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/rank-2-roots>

— *The willowtreebook package. Easy basic book class, built on memoir.* 2021-09-28. Version 1.03. LICENSE: lppl1.3c. The class is a simple book class, which the author uses for his lecture notes to be found on his web page . It actually just selects options for the more sophisticated memoir class.



- URL: <https://ctan.org/pkg/willowtreebook>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/willowtreebook>
- McKenzie, Andrew. *The ling-macros package. Macros for typesetting formal linguistics*. 2016-10-17. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/ling-macros>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ling-macros>
- McKinstry, Graeme. *The merge package. Perform mail merges in L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/merge>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/merge.sty>
- McLean, Evan, David J. Musliner, and Tong Sun. *The latexmake package. L<sup>A</sup>T<sub>E</sub>X Makefile*. 2016-06-24. Version 2.0. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/latexmake>  
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URL: <https://ctan.org/pkg/pageslts>  
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tablefootnote>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/undolabl>
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URL: <https://ctan.org/pkg/uri>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/uri>
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MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/bfsymb.tex>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/eiad>
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URL: <https://ctan.org/pkg/casiofont>  
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URL: <https://ctan.org/pkg/he-she>  
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URL: <https://ctan.org/pkg/invoice-class>  
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 MIRROR: <https://mirror.ctan.org/support/csv2latex>
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 URL: <https://ctan.org/pkg/context-chromato>  
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- *The context-cmscbf package. Use Computer Modern bold Caps and Small-caps in ConTeXt.* 2017-11-12. LICENSE: gpl. The module makes provision for bold caps and small caps CM fonts, in ConTeXt. Such a font may be found in the Computer Modern .  
 URL: <https://ctan.org/pkg/context-cmscbf>  
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 URL: <https://ctan.org/pkg/context-cmttbf>  
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 URL: <https://ctan.org/pkg/context-construction-plan>  
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 URL: <https://ctan.org/pkg/context-typearea>  
 MIRROR: <https://mirror.ctan.org/macros/context/contrib/context-typearea>
- *The context-URWGaramond package. ConTeXt support for URW Garamond font.* 2018-08-11. LICENSE: pd. The required may also be found on CTAN.  
 URL: <https://ctan.org/pkg/context-urwgaramond>  
 MIRROR: <https://mirror.ctan.org/macros/context/contrib/context-urwgaramond>
- *The degrade package. Degrade JPEG images on the fly, prior to inclusion.* 2016-06-24. LICENSE: lppl. Degrade is a L<sup>A</sup>T<sub>E</sub>X package that degrades JPEG images on the fly to decrease the size of the resulting PostScript or PDF file. It uses the convert utility from the ImageMagick bundle as well as (if you're producing PostScript output).  
 URL: <https://ctan.org/pkg/degrade>  
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 MIRROR: <https://mirror.ctan.org/systems/javatex>



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 URL: <https://ctan.org/pkg/gmeometric>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/gmeometric>
- *The gmiflink package*. Simplify usage of \hypertarget and \hyperlink. 2018-01-06. Version 0.97. LICENSE: lppl. Three -based macros that simplify usage of and : one argument instead of the same one twice. Also and which typeset plain text instead of generating an error or printing ‘??’ if there is no respective hypertarget or label.  
 URL: <https://ctan.org/pkg/gmiflink>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gmiflink>
- *The gmutils package*. Support macros for other packages. 2016-06-24. Version 0.996. LICENSE: lppl  
 URL: <https://ctan.org/pkg/gmutils>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gmutils>
- *The gmverb package*. A variant of L<sup>A</sup>T<sub>E</sub>X \verb, verbatim and shortverb. 2016-06-24. Version 0.98. LICENSE: lppl  
 URL: <https://ctan.org/pkg/gmverb>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gmverb>
- *The gmverse package*. A package for typesetting (short) poems. 2018-01-06. Version 0.73. LICENSE: lppl. A redefinition of the environment to make the command optional for line ends and to give it a possibility of optical centering and ‘right-hanging’ alignment of lines broken because of length.  
 URL: <https://ctan.org/pkg/gmverse>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gmverse>
- Musa, Ahmed. *The catoptions package*. Preserving and recalling standard catcodes. 2016-06-24. Version 0.2.7h. LICENSE: lppl1.3. The package changes package loading internals so that all subsequently loaded packages can rely on normal/standard catcodes of all ASCII characters. The package defines canonical control sequences to represent all the visible ASCII characters. It also provides robust option parsing mechanisms (, and , which will be used by if the package has already been loaded). The package also provides a range of other T<sub>E</sub>X programming tools.  
 URL: <https://ctan.org/pkg/catoptions>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/catoptions>
- *The changelayout package*. Change the layout of individual pages and their text. 2016-06-24. Version 1.0. LICENSE: lppl. The package is an extension of the package to permit the user to change the layout of individual pages and their texts.  
 URL: <https://ctan.org/pkg/changelayout>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/changelayout>
- *The draftmark package*. Put draft marks on selected pages. 2016-06-24. Version 1.2. LICENSE: nocommercial  
 URL: <https://ctan.org/pkg/draftmark>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/draftmark>
- *The getfiledate package*. Find the date of last modification of a file. 2016-06-24. Version 1.2. LICENSE: lppl. The package fetches from the system the date of last modification or opening of an existing file, using the function (present in recent versions of pdfT<sub>E</sub>X); the user may specify how the date is to be presented.  
 URL: <https://ctan.org/pkg/getfiledate>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/getfiledate>
- *The keyreader package*. A robust interface to xkeyval. 2016-06-24. Version 0.5b. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/keyreader>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/keyreader>
- *The keyval2e package*. A lightweight and robust key-value parser. 2016-06-24. Version 0.0.2. LICENSE: lppl1.3. The package provides lightweight and robust facilities for creating and managing keys. Its machinery isn’t as extensive as that of, e.g., the package, but it is equally robust; ease of use and speed of processing are the design aims of the package.  
 URL: <https://ctan.org/pkg/keyval2e>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/keyval2e>
- Musa, Ahmed. *The loops package*. General looping macros for use with L<sup>A</sup>T<sub>E</sub>X. 2016-06-24. Version 1.3. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/loops>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/loops>

- *The ltxkeys package. A robust key parser for L<sup>A</sup>T<sub>E</sub>X.* 2016-06-24. Version 0.0.3c. LICENSE: lppl  
 URL: <https://ctan.org/pkg/ltxkeys>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ltxkeys>
- *The ltxtools package. A collection of L<sup>A</sup>T<sub>E</sub>X API macros.* 2016-06-24. Version 0.0.1a. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/ltxtools>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ltxtools>
- *The newenviron package. Processing an environment’s body.* 2016-06-24. Version 1.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/newenviron>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/newenviron>
- *The pagerange package. Flexible and configurable page range typesetting.* 2016-06-24. Version 0.5. LICENSE: lppl. The package defines a command that typesets ranges of page numbers, expanding them (e.g., adding first or last page numbers) and standardising them.  
 URL: <https://ctan.org/pkg/pagerange>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pagerange>
- *The pgfkeyx package. Extended and more robust version of pgfkeys.* 2016-06-24. Version 0.0.1. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/pgfkeyx>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pgfkeyx>
- *The skeycommand package. Create commands using parameters and keyval in parallel.* 2016-06-24. Version 0.4. LICENSE: lppl1.3. The package provides tools for defining L<sup>A</sup>T<sub>E</sub>X commands and environments using combinations of parameters and keys. All the facilities of the and packages are available to the user of skeycommand.  
 URL: <https://ctan.org/pkg/skeycommand>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/skeycommand>
- *The skeyval package. Key-value parsing combining features of xkeyval and pgfkeys.* 2016-06-24. Version 1.3. LICENSE: lppl1.3. The package integrates the features of and of by introducing a new type of handlers. Style keys, links, changing key callbacks and values on the fly, and other features of pgfkeys are introduced in a new context.  
 URL: <https://ctan.org/pkg/skeyval>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/skeyval>
- *The storecmd package. Store the name of a defined command in a container.* 2016-06-24. Version 0.0.2. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/storecmd>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/storecmd>
- *The xwatermark package. Graphics and text watermarks on selected pages.* 2021-06-17. Version 1.5.2d. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/xwatermark>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xwatermark>
- Musliner, David J. *The go-make package. A make variant for L<sup>A</sup>T<sub>E</sub>X documents.* 2016-06-24. Version 3.6. LICENSE: other-free  
 URL: <https://ctan.org/pkg/go-make>  
 MIRROR: <https://mirror.ctan.org/support/go>
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 URL: <https://ctan.org/pkg/ruled-tables>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/ruled-tables>
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 URL: <https://ctan.org/pkg/texsis>  
 MIRROR: <https://mirror.ctan.org/macros/texsis>
- Naanou, Alex A. *The photobook package. A document class for typesetting photo books.* 2023-03-18. Version 0.1.15. LICENSE: bsd3. The L<sup>A</sup>T<sub>E</sub>X document class extends the book class defining a set of parameters, meta-macros, macros and environments with reasonable defaults to help typeset, build and print books mainly based on visual/image content.  
 URL: <https://ctan.org/pkg/photobook>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/photobook>
- Nagy, Bence. *The hungarian package. New Hungarian hyphenation patterns.* 2016-11-05. LICENSE: gpl. These patterns are a modern substitute for those in the package.  
 URL: <https://ctan.org/pkg/hungarian>  
 MIRROR: <https://mirror.ctan.org/language/hungarian/hyphenation>
- Nähring, Tobias and Herbert Voß. *The pst-bezier package. Draw Bezier curves.* 2016-09-03. Version 0.03. LICENSE: lppl. The package provides a macro for drawing a Bézier curve. Provision is made for full control of over all the control points of the curve.  
 URL: <https://ctan.org/pkg/pst-bezier>  
 MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-bezier>

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 URL: <https://ctan.org/pkg/arydashln>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/arydashln>
- *The dblfnote package. Double-column footnotes*. 2016-06-24. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/dblfnote>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/yafoot>
  - *The fnpos package. Control the position of footnotes on the page*. 2016-06-24. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/fnpos>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/yafoot>
  - *The hvdashln package. Horizontal and vertical dashed lines in arrays and tabulars*. 2018-01-06. LICENSE: lppl  
 URL: <https://ctan.org/pkg/hvdashln>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/hvdashln.sty>
  - *The newvbtm package. Define your own verbatim-like environment*. 2016-06-24. Version 1.1. LICENSE: lppl. Defines general purpose macro named to define your own verbatim-like environment. It also has a supplementary style file varvbtm.sty to provide set of macros for variants of verbatim, such as tab emulation.  
 URL: <https://ctan.org/pkg/newvbtm>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/newvbtm>
  - *The paracol package. Multiple columns with texts “in parallel”*. 2018-12-31. Version 1.35. LICENSE: lppl  
 URL: <https://ctan.org/pkg/paracol>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/paracol>
  - *The pfnote package. Number footnotes per page*. 2016-06-24. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/pfnote>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/yafoot>
  - *The umoline package. Underline text allowing line breaking*. 2018-01-06. LICENSE: lppl. Provides commands , and for underlining, striking out, and overlining their text arguments.  
 URL: <https://ctan.org/pkg/umoline>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/umoline>
  - *The yafoot package. A bundle of miscellaneous footnote packages*. 2018-09-03. Version 1.1. LICENSE: lppl. Contains three packages: – to number footnotes per page; – to control the position of footnotes; and – to make footnotes double-columned.  
 URL: <https://ctan.org/pkg/yafoot>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/yafoot>
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 MIRROR: <https://mirror.ctan.org/support/texliveonfly>
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 URL: <https://ctan.org/pkg/bibfilex>  
 MIRROR: <https://mirror.ctan.org/biblio/bibfilex>
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 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/misc/ajl.bst>
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 URL: <https://ctan.org/pkg/cms4talks>  
 MIRROR: <https://mirror.ctan.org/support/cms4talks>
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 URL: <https://ctan.org/pkg/ntg-maps>  
 MIRROR: <https://mirror.ctan.org/usergrps/ntg/maps>
- Neergaard, Peter Møller and Arne John Glenstrup. *The semantic package. Help for writing programming language semantics*. 2016-06-24. Version 2.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/semantic>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/semantic>
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 URL: <https://ctan.org/pkg/bbding>  
 MIRROR: <https://mirror.ctan.org/fonts/bbding>
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for two other formats: "review" (double spaced, for use at the submission stage) and "proof" (used by the typesetters to prepare the proof authors will receive for approval).

URL: <https://ctan.org/pkg/cje>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cje>

Nesti, Fabrizio. *The jhep package. Class for JHEP*. 2016-06-24. Version 3.1.2. LICENSE: other-nonfree

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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/jhep>

Nesti, Fabrizio and Kevin Goldstein. *The findbib package. Find bibliographic details from SPIRES*. 2016-06-24. Version 2.3. LICENSE: gpl

URL: <https://ctan.org/pkg/findbib>

MIRROR: <https://mirror.ctan.org/biblio/bibtex/utils/findbib>

Neteler, Markus. *The ps4mf package. Convert Adobe Type 1 fonts to Metafont*. 2016-06-24. Version 1.1. LICENSE: gpl

URL: <https://ctan.org/pkg/ps4mf>

MIRROR: <https://mirror.ctan.org/fonts/utilities/ps4mf>

— *The ps4mf-dos package. Convert Adobe Type 1 fonts to Metafont, MS-DOS version*. 2018-01-06. Version 2.8. LICENSE: gpl

URL: <https://ctan.org/pkg/ps4mf-dos>

MIRROR: <https://mirror.ctan.org/fonts/utilities/ps4mf-dos>

Nettles, William G. *The nucleardata package. Provides data about atomic nuclides for documents*. 2018-04-05. Version 1.1. LICENSE: lpl1.3. The package provides data and commands for including nuclear and atomic mass and energy data in L<sup>A</sup>T<sub>E</sub>X documents. It uses the package and requires to be called with the T<sub>E</sub>X file as the argument.

URL: <https://ctan.org/pkg/nucleardata>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/nucleardata>

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URL: <https://ctan.org/pkg/bibtool>

MIRROR: <https://mirror.ctan.org/biblio/bibtex/utils/bibtool>

— *The crossword package. Typeset crossword puzzles*. 2022-09-13. Version 1.11. LICENSE: other-free

URL: <https://ctan.org/pkg/crossword>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gene/crossword>

— *The ctan-o-mat package. Upload or validate a package for CTAN*. 2017-11-25. Version 1.2. LICENSE: bsd3

URL: <https://ctan.org/pkg/ctan-o-mat>

MIRROR: <https://mirror.ctan.org/support/ctan-o-mat>

— *The eqname package. Name tags for equations*. 2016-06-24. LICENSE: other-free. The command provides a name tag for the current equation, in place of an equation number. The name tag will be picked up by a subsequent command.

URL: <https://ctan.org/pkg/eqname>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gene/eqname>

— *The fundus package. Providing L<sup>A</sup>T<sub>E</sub>X access to various font families*. 2016-09-27. LICENSE: collection

URL: <https://ctan.org/pkg/fundus>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fundus>

— *The fundus-calligra package. Support for the calligra font in L<sup>A</sup>T<sub>E</sub>X documents*. 2016-06-24. Version 1.2. LICENSE: other-free

URL: <https://ctan.org/pkg/fundus-calligra>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fundus/calligra>

— *The fundus-cyr package. Support for Washington University Cyrillic fonts*. 2016-06-24. LICENSE: lpl1.3

URL: <https://ctan.org/pkg/fundus-cyr>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fundus/cyr/cyr.sty>

— *The fundus-la package. Support for the la and lla fonts in L<sup>A</sup>T<sub>E</sub>X documents*. 2016-06-24. Version 1.2. LICENSE: other-free

URL: <https://ctan.org/pkg/fundus-la>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fundus/la>

— *The fundus-outline package. L<sup>A</sup>T<sub>E</sub>X support for CM outline fonts*. 2016-06-24. Version 1.1. LICENSE: other-free

URL: <https://ctan.org/pkg/fundus-outline>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fundus/outline>

— *The fundus-pvscript package. Support for Vanroose handwriting font*. 2016-06-24. Version 1.2. LICENSE: lpl1.3

URL: <https://ctan.org/pkg/fundus-pvscript>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fundus/pvscript>

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URL: <https://ctan.org/pkg/fundus-startrek>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fundus/startrek>



- *The fundus-sueterlin package*. Sütterlin. 2016-06-24. Version 1.2. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/fundus-sueterlin>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fundus/suetterl>
- *The fundus-twcal package*. L<sup>A</sup>T<sub>E</sub>X support for the twcal handwriting font. 2016-06-24. Version 1.2. LICENSE: other-free  
 URL: <https://ctan.org/pkg/fundus-twcal>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fundus/twcal>
- *The fundus-va package*. Support for the va fonts in L<sup>A</sup>T<sub>E</sub>X documents. 2016-06-24. Version 1.3. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/fundus-va>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fundus/va>
- *The gene-logic package*. Typeset logic formulae, etc. 2016-07-17. Version 1.4. LICENSE: other-free. The package provides a facility to typeset certain logic formulae. It provides an environment like `gene`, a `logic`-like environment `gene`, and several macros.  
 URL: <https://ctan.org/pkg/gene-logic>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gene/logic>
- *The ISO-TeX package*. Display (La)TeX accented letters in GNU Emacs. 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/iso-tex>  
 MIRROR: <https://mirror.ctan.org/support/iso-tex>
- *The limap package*. Typeset maps and blocks according to the Information Mapping<sup>®</sup> method. 2017-07-21. Version 2.2. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/limap>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gene/limap>
- *The pl package*. Literate Programming for Prolog with L<sup>A</sup>T<sub>E</sub>X. 2016-06-24. Version 3.0. LICENSE: other-free  
 URL: <https://ctan.org/pkg/pl>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gene/pl>
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 URL: <https://ctan.org/pkg/productbox>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gene/productbox>
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 URL: <https://ctan.org/pkg/script>  
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 URL: <https://ctan.org/pkg/dvi2xx>  
 MIRROR: <https://mirror.ctan.org/obsolete/dviware/dvi2xx>
- *The newinsert package*. Reworking Plain T<sub>E</sub>X's insert macros. 2016-06-24. Version 1.2. LICENSE: noinfo. Fixes various problems with `insert` and `newinsert`.  
 URL: <https://ctan.org/pkg/newinsert>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/newinsert.tex>
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 URL: <https://ctan.org/pkg/nl-interval>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/nl-interval>
- Nguyen, Tan Khoa. *The lshort-vietnamese package*. Vietnamese version of the L<sup>A</sup>T<sub>E</sub>X introduction. 2020-06-17. Version 4.00. LICENSE: lppl. Vietnamese version of `lshort`.  
 URL: <https://ctan.org/pkg/lshort-vietnamese>  
 MIRROR: <https://mirror.ctan.org/info/lshort/vietnamese>



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 URL: <https://ctan.org/pkg/proba>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/proba>
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 URL: <https://ctan.org/pkg/helmholtz-ellis-ji-notation>  
 MIRROR: <https://mirror.ctan.org/fonts/helmholtz-ellis-ji-notation>
- Nickalls, Dick and Harald Harders. *The yplan package. Daily planner type calendar*. 2019-03-12. LICENSE: lppl  
 URL: <https://ctan.org/pkg/yplan>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/yplan>
- Nickalls, Dick and Apostolos Syropoulos. *The rubik package. Document Rubik cube configurations and rotation sequences*. 2018-03-02. Version 5.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/rubik>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/rubik>
- *The rubikcube package. Typeset Rubik cubes and move notation*. 2018-02-28. Version 5.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/rubikcube>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/rubik>
  - *The rubikrotation package. Processes a sequence of Rubik rotations*. 2018-02-28. Version 5.0. LICENSE: lppl1.3. The package is part of the bundle, serving as an extension of the package, providing the command to process a sequence of Rubik rotation moves on-the-fly (using the external Perl script), and to return the new Rubik cube state.  
 URL: <https://ctan.org/pkg/rubikrotation>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/rubik>
  - *The rubiktwocube package. Typeset Rubik TwoCubes and move notation*. 2018-02-28. Version 5.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/rubiktwocube>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/rubik>
- Nickel, Martin. *The megatape package. Make cassette tape labels*. 2016-06-24. LICENSE: other-free. The package is an extension of the package.  
 URL: <https://ctan.org/pkg/megatape>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/megatape>
- Niederberger, Clemens. *The acro package. Typeset acronyms*. 2022-04-01. Version 3.8. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/acro>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/acro>
- *The bohr package. Simple atom representation according to the Bohr model*. 2022-04-06. Version 1.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/bohr>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bohr>
  - *The carbohydrates package. Carbohydrate molecules with chemfig*. 2017-04-18. Version 0.1. LICENSE: lppl1.3. This package offers macros that make the preparation of exercise sheets for teaching carbohydrate chemistry a lot less tedious. It uses for drawing the formulas. Different representation models (Fischer, Haworth, chair...) are supported as well as alpha, beta, and chain isomers.  
 URL: <https://ctan.org/pkg/carbohydrates>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/carbohydrates>
  - *The chemexec package. Creating (chemical) exercise sheets*. 2016-06-24. Version 1.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/chemexec>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/chemexec>
  - *The chemformula package. Command for typesetting chemical formulas and reactions*. 2022-01-23. Version 4.17. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/chemformula>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/chemformula>
  - *The chemgreek package. Upright Greek letters in chemistry*. 2020-01-16. Version 1.1a. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/chemgreek>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/chemgreek>
  - *The chemmacros package. A collection of macros to support typesetting chemistry documents*. 2022-03-12. Version 6.2a. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/chemmacros>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/chemmacros>
- Niederberger, Clemens. *The chemnum package. A method for numbering chemical compounds*. 2021-01-21. Version 1.3a. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/chemnum>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/chemnum>

- *The cnltx package*. L<sup>A</sup>T<sub>E</sub>X tools and documenting facilities. 2020-05-09. Version 0.15. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/cnltx>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cnltx>
  - *The cntformats package*. A different way to read counters. 2017-04-18. Version 0.7. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/cntformats>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cntformats>
  - *The elements package*. Provides properties of chemical elements. 2022-01-29. Version 0.4. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/elements>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/elements>
  - *The embrac package*. Upright brackets in emphasised text. 2021-02-20. Version 0.9a. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/embrac>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/embrac>
  - *The endiagram package*. Easy creation of potential energy curve diagrams. 2016-06-24. Version 0.1d. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/endiagram>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/endiagram>
  - *The enotez package*. Support for end-notes. 2022-01-04. Version 0.10d. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/enotez>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/enotez>
  - *The exsheets package*. Create exercise sheets and exams. 2019-09-30. Version 0.21k. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/exsheets>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/exsheets>
  - *The fnpct package*. Manage footnote marks’ interaction with punctuation. 2022-02-27. Version 1.1a. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/fnpct>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fnpct>
  - *The ghsystem package*. Globally harmonised system of chemical (etc) naming. 2020-02-17. Version 4.8c. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/ghsystem>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ghsystem>
  - *The guitarchordschemes package*. Guitar Chord and Scale Tablatures. 2020-03-18. Version 0.7. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/guitarchordschemes>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/guitarchordschemes>
  - *The idxcmds package*. Semantic commands for adding formatted index entries. 2020-03-25. Version 0.2c. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/idxcmds>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/idxcmds>
  - *The leadsheets package*. Typesetting leadsheets and songbooks. 2022-01-05. Version 0.7. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/leadsheets>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/leadsheets>
  - *The modigram package*. Drawing molecular orbital diagrams. 2020-11-08. Version 0.3a. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/modigram>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/modigram>
  - *The musixguit package*. Easy notation for guitar music, in MusiXTeX. 2016-06-24. Version 1.2.2. LICENSE: lppl1.3. The package provides commands for typesetting notes for guitar, especially for simplifying guitar notation with .  
URL: <https://ctan.org/pkg/musixguit>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/musixguit>
  - *The mychemistry package*. Create reaction schemes with L<sup>A</sup>T<sub>E</sub>X and chemfig. 2020-04-11. Version 1.99b. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/mychemistry>  
MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/mychemistry>
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URL: <https://ctan.org/pkg/snotez>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/snotez>
  - *The substances package*. A database of chemicals. 2016-06-24. Version 0.2a. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/substances>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/substances>
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- URL: <https://ctan.org/pkg/tasks>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tasks>
- *The translations package. Internationalisation of L<sup>A</sup>T<sub>E</sub>X2<sub>ε</sub> packages.* 2022-02-05. Version 1.12. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/translations>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/translations>
  - *The xsim package. eXercise Sheets IMproved.* 2022-02-12. Version 0.21. LICENSE: lppl1.3c. This package helps in creating exercises and the corresponding solutions. It is the official successor of the package and fixes/improves various long-standing issues.  
URL: <https://ctan.org/pkg/xsim>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xsim>
- Niedermair, Michael. *The ant-worker-tasks package. Apache ANT Tasks for T<sub>E</sub>X and PDF.* 2016-06-24. Version 268. LICENSE: nosource  
URL: <https://ctan.org/pkg/ant-worker-tasks>  
MIRROR: <https://mirror.ctan.org/support/ant-worker-tasks>
- *The properties package. Load properties from a file.* 2016-06-24. Version 0.2. LICENSE: lppl. The package loads properties (key, value) from a properties file, e.g. .  
URL: <https://ctan.org/pkg/properties>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/properties>
  - *The statistik package. Store statistics of a document.* 2016-06-24. Version 0.03. LICENSE: gpl  
URL: <https://ctan.org/pkg/statistik>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/statistik>
- Niedrist, Raimund. *The hypdvips package. Hyperref extensions for use with dvips.* 2019-08-01. Version 3.03. LICENSE: lppl1.3. The hypdvips package fixes some problems when using with dvips. It also adds support for breaking links, file attachments, embedded documents and different types of GoTo-links. The cooperation of hyperref with is improved, which in addition allows an enhanced back-referencing system.  
URL: <https://ctan.org/pkg/hypdvips>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hypdvips>
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URL: <https://ctan.org/pkg/manual209>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/manual>
- Nienhuys, Han-Wen. *The mfttrace package. Convert Metafont fonts to Adobe Type 1.* 2017-04-18. LICENSE: gpl  
URL: <https://ctan.org/pkg/mfttrace>
- Niepraschk, Rolf. *The blowup package. Upscale or downscale all pages of a document.* 2022-09-22. Version 2.1.0. LICENSE: lppl1.3. The package blowup only defines the user-level macro , which can be used to upscale or downscale all pages of a document. It is similar to the T<sub>E</sub>X primitive but more accurate and user-friendly.  
URL: <https://ctan.org/pkg/blowup>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/blowup>
- *The colorinfo package. Retrieve colour model and values for defined colours.* 2016-06-18. Version 0.3c. LICENSE: lppl  
URL: <https://ctan.org/pkg/colorinfo>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/colorinfo>
  - *The eso-pic package. Add picture commands (or backgrounds) to every page.* 2023-03-23. Version 3.0b. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/eso-pic>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/eso-pic>
  - *The image-gallery package. Create an overview of pictures from a digital camera or from other sources.* 2016-06-24. Version 1.0j. LICENSE: lppl  
URL: <https://ctan.org/pkg/image-gallery>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/image-gallery>
  - *The keystroke package. Graphical representation of keys on keyboard.* 2016-06-24. Version 1.6. LICENSE: gpl  
URL: <https://ctan.org/pkg/keystroke>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/keystroke>
  - *The niceframe-type1 package. Type 1 versions of the fonts recommended in niceframe.* 2017-06-23. LICENSE: lppl. The bundle provides Adobe Type 1 versions of the fonts , , , .  
URL: <https://ctan.org/pkg/niceframe-type1>  
MIRROR: <https://mirror.ctan.org/fonts/niceframe>
- Niepraschk, Rolf. *The overpic package. Combine L<sup>A</sup>T<sub>E</sub>X commands over included graphics.* 2020-02-22. Version 1.3. LICENSE: lppl1.3. The overpic environment is a cross between the L<sup>A</sup>T<sub>E</sub>X picture environment and the command of . The resulting picture environment

has the same dimensions as the included graphic. L<sup>A</sup>T<sub>E</sub>X commands can be placed on the graphic at defined positions; a grid for orientation is available.

URL: <https://ctan.org/pkg/overpic>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/overpic>

- *The ps4pdf package*. Use PostScript commands inside a pdfL<sup>A</sup>T<sub>E</sub>X document. 2021-08-26. Version 0.6i. LICENSE: lppl

URL: <https://ctan.org/pkg/ps4pdf>

MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/ps4pdf>

- *The scr1ttr2copy package*. A letter class option file for the automatic creation of copies. 2020-10-22. Version 0.3a. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/scr1ttr2copy>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/scr1ttr2copy>

- *The showexpl package*. Typesetting L<sup>A</sup>T<sub>E</sub>X source code. 2021-01-13. Version 0.3s. LICENSE: lppl1.2

URL: <https://ctan.org/pkg/showexpl>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/showexpl>

- *The showframe package*. Draw a page-layout diagram. 2020-10-14. Version 0.1j. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/showframe>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/eso-pic/showframe.sty>

- *The texlive-dummy-opensuse package*. Dummy T<sub>E</sub>X Live RPM for use with Open SUSE. 2023-03-17. Version 2023.9999-2. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/texlive-dummy-opensuse>

MIRROR: <https://mirror.ctan.org/support/texlive/texlive-dummy/openSUSE>

- *The tikz-kalender package*. A L<sup>A</sup>T<sub>E</sub>X based calendar using TikZ. 2019-11-22. Version 0.4f. LICENSE: cc-by-sa-1

URL: <https://ctan.org/pkg/tikz-kalender>

MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikz-kalender>

- Niepraschk, Rolf and Stefan A. Deutscher. *The jpeg2ps-os2 package*. JPEG to PostScript converter for OS/2. 2016-06-24. LICENSE: nosell. OS/2 port of .

URL: <https://ctan.org/pkg/jpeg2ps-os2>

MIRROR: <https://mirror.ctan.org/support/jpeg2ps/os2>

- Niepraschk, Rolf and Hubert Gäßlein. *The pst-pdf package*. Make PDF versions of graphics by processing between runs. 2020-10-10. Version 1.2f. LICENSE: lppl1.2

URL: <https://ctan.org/pkg/pst-pdf>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pst-pdf>

- *The sidecap package*. Typeset captions sideways. 2023-01-24. Version 1.7a. LICENSE: lppl1.3. Defines environments called and (analogous to figure and table) to typeset captions sideways. Options include , , and .

URL: <https://ctan.org/pkg/sidecap>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/sidecap>

- Niepraschk, Rolf and Herbert Voß. *The eit1 package*. Easy install of T<sub>E</sub>X Live. 2020-06-24. Version 0.04. LICENSE: lppl

URL: <https://ctan.org/pkg/eit1>

MIRROR: <https://mirror.ctan.org/support/texlive/eit1>

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URL: <https://ctan.org/pkg/binarytree>

MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/binarytree>

- Nikulainen, Jukka. *The egpeirce package*. Draw existential graphs invented by Charles S. Peirce. 2023-03-28. Version 1.0.0. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/egpeirce>

MIRROR: <https://mirror.ctan.org/graphics/egpeirce>

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URL: <https://ctan.org/pkg/esint-type1>

MIRROR: <https://mirror.ctan.org/fonts/ps-type1/esint>

- Nilsson, Joachim. *The technics package*. A package to format technical documents. 2016-06-24. Version 1.0. LICENSE: lppl

URL: <https://ctan.org/pkg/technics>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/technics>

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 URL: <https://ctan.org/pkg/stables>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/stables>
- Nitschke, Dirk. *The eqmark package. Generalise facilities for marking equation arrays*. 2016-06-24. Version 2.0. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/eqmark>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/eqmark>
- *The tsconfig package. Setup support for T<sub>E</sub>Xshell*. 2016-06-24. LICENSE: nocommercial. The tsconfig program tries to make the configuration of the by J. Schlegelmilch easier, especially if you have a lot of computers with different processors.  
 URL: <https://ctan.org/pkg/tsconfig>  
 MIRROR: <https://mirror.ctan.org/systems/win32/tsconfig>
- Noirel, Josselin. *The cellspace package. Ensure minimal spacing of table cells*. 2022-01-05. Version 1.9.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/cellspace>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cellspace>
- *The cmdstring package. Get command name reliably*. 2016-06-24. Version 1.1. LICENSE: lppl. Extracts the letters of a command's name (e.g., for command ), in a reliable way.  
 URL: <https://ctan.org/pkg/cmdstring>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cmdstring>
  - *The xifthen package. Extended conditional commands*. 2016-06-24. Version 1.4.0. LICENSE: lppl. This package extends the package by implementing new commands to go within the first argument of : to test whether a string is void or not, if a command is defined or equivalent to another. The package also enables use of complex expressions as introduced by the package , together with the ability of defining new commands to handle complex tests.  
 URL: <https://ctan.org/pkg/xifthen>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xifthen>
  - *The xnewcommand package. Define \global and \protected commands with \newcommand*. 2016-06-24. Version 1.2. LICENSE: lppl. The package provides the means of defining and (e-TeX) commands, within the framework of L<sup>A</sup>T<sub>E</sub>X's standard .  
 URL: <https://ctan.org/pkg/xnewcommand>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xnewcommand>
  - *The xoptarg package. Expandable macros that take an optional argument*. 2016-06-24. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/xoptarg>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xoptarg>
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 URL: <https://ctan.org/pkg/hang>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hang>
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 URL: <https://ctan.org/pkg/overlays>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/overlays>
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 URL: <https://ctan.org/pkg/tagpair>  
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 URL: <https://ctan.org/pkg/xpdf>
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 URL: <https://ctan.org/pkg/r-und-s>  
 MIRROR: [https://mirror.ctan.org/macros/latex/contrib/r\\_und\\_s](https://mirror.ctan.org/macros/latex/contrib/r_und_s)
- Nordhoff, Sebastian. *The langsci package. Typeset books for publication with Language Science Press*. 2023-02-11. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/langsci>  
 MIRROR: <https://mirror.ctan.org/macros/xetex/latex/langsci>
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 URL: <https://ctan.org/pkg/iso209>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/iso>
- Novak, Petr, Karel Horák, Lada Lhotka, and Petr Olšák. *The csfonts package. Czech/Slovak-tuned Computer Modern fonts*. 2017-04-18. LICENSE: gpl. The fonts are provided as Metafont source; Type 1 format versions () are also available.  
 URL: <https://ctan.org/pkg/csfonts>  
 MIRROR: <https://mirror.ctan.org/macros/cstex/base/csfonts.tar.gz>



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 URL: <https://ctan.org/pkg/bmstu>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bmstu>
- Novodvorsky, Aleksey and Andrej Shadura. *The babel-belarusian package. Babel support for Belarusian*. 2018-10-09. Version 1.5. LICENSE: lppl1.3c. The package provides support for use of in documents written in Belarusian.  
 URL: <https://ctan.org/pkg/babel-belarusian>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/belarusian>
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 URL: <https://ctan.org/pkg/fibeamer>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/beamer-contrib/themes/fibeamer>
- *The fithesis package. Thesis class and template for Masaryk University (Brno, Czech Republic)*. 2022-08-17. Version 1.1.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/fithesis>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fithesis>
- *The lt3luabridge package. Execute Lua code in any T<sub>E</sub>X engine that exposes the shell*. 2022-10-24. Version 2.0.2. LICENSE: lppl1.3c. This is an (-generic) package for plain T<sub>E</sub>X, L<sup>A</sup>T<sub>E</sub>X, and ConT<sub>E</sub>Xt that allows you to execute Lua code in LuaT<sub>E</sub>X or any other T<sub>E</sub>X engine that exposes the shell.  
 URL: <https://ctan.org/pkg/lt3luabridge>  
 MIRROR: <https://mirror.ctan.org/macros/generic/lt3luabridge>
- *The markdown package. Converting and rendering markdown documents inside T<sub>E</sub>X*. 2023-02-28. Version 2.21.0-0-gee15b88. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/markdown>  
 MIRROR: <https://mirror.ctan.org/macros/generic/markdown>
- Novotný, Vít and Zdeněk Wagner. *The csbulletin package. L<sup>A</sup>T<sub>E</sub>X class for articles submitted to the CSTUG Bulletin (Zpravodaj)*. 2022-12-12. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/csbulletin>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/csbulletin>
- Nowacki, Janusz Marian. *The antp package. Antykwa Półtawskiego: a Type 1 family of Polish traditional type*. 2019-06-21. Version 0.50. LICENSE: pd  
 URL: <https://ctan.org/pkg/antp>  
 MIRROR: <https://mirror.ctan.org/obsolete/fonts/psfonts/polish/antp>
- *The antt package. Antykwa Toruńska: a Type 1 family of a Polish traditional type*. 2016-06-24. Version 2.08. LICENSE: gfs1  
 URL: <https://ctan.org/pkg/antt>  
 MIRROR: <https://mirror.ctan.org/fonts/antt>
- *The cyklop package. The Cyclop typeface*. 2016-06-24. Version 0.915. LICENSE: gfl  
 URL: <https://ctan.org/pkg/cyklop>  
 MIRROR: <https://mirror.ctan.org/fonts/cyklop>
- *The iwona package. A two-element sans-serif font*. 2018-06-16. Version 0.995b. LICENSE: gfl  
 URL: <https://ctan.org/pkg/iwona>  
 MIRROR: <https://mirror.ctan.org/fonts/iwona>
- *The kurier package. A two-element sans-serif typeface*. 2018-06-16. Version 0.995b. LICENSE: gfl  
 URL: <https://ctan.org/pkg/kurier>  
 MIRROR: <https://mirror.ctan.org/fonts/kurier>
- *The plpsfont package. Polish extension of CM fonts in Type 1 format*. 2016-06-24. Version 1.15. LICENSE: pd. This package is the Polish extension of the Computer Modern fonts (known as PL fonts), in Adobe Type 1 (PostScript) format. The fonts use the same .tfm files as for the . This release of fonts was adapted to the (mostly guessed) demands of the Windows environment, while keeping the fonts usable with T<sub>E</sub>X; however, encoding files are now added, as Windows and T<sub>E</sub>X use different encoding schemes.  
 URL: <https://ctan.org/pkg/plpsfont>  
 MIRROR: <https://mirror.ctan.org/language/polish/plpsfont>
- Nowacki, Janusz Marian. *The poligraf package. A T<sub>E</sub>X macro package for prepress*. 2016-06-24. Version 2.0. LICENSE: pd. A set of macros (employing PostScript) supporting professional page preparation for prepress; includes color separation (it needs package), crop-marks, colour and grey scale bars, etc.  
 URL: <https://ctan.org/pkg/poligraf>  
 MIRROR: <https://mirror.ctan.org/macros/generic/TeX-PS/poligraf>

- Nüsken, Michael. *The computational-complexity package. Class for the journal Computational Complexity*. 2016-06-24. Version 2.25f. LICENSE: lppl1.2  
 URL: <https://ctan.org/pkg/computational-complexity>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/computational-complexity>
- Nyaupane, Hari. *The sacsymb package. "Sacred Symbols" prepared with TikZ*. 2023-02-24. LICENSE: lppl1  
 URL: <https://ctan.org/pkg/sacsymb>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/sacsymb>
- Nyqvist, Robert. *The glossaries-swedish package. Swedish language module for glossaries package*. 2016-06-24. Version 1.0. LICENSE: lppl1.3. Swedish language module for the package.  
 URL: <https://ctan.org/pkg/glossaries-swedish>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/glossaries-swedish>
- *The vxu package. Document classes for Vaxjo University*. 2016-06-24. Version 3.2. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/vxu>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/vxu>
- Oberdiek, Heiko. *The accsupp package. Better accessibility support for PDF files*. 2019-12-07. Version 0.6. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/accsupp>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/accsupp>
- *The aliascnt package. Alias counters*. 2018-09-08. Version 1.5. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/aliascnt>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/aliascnt.dtx>
- *The alphas package. Convert numbers to letters*. 2019-12-14. Version 2.6. LICENSE: lppl1.3. Provides commands and They are like but the expansion consists of lowercase and uppercase letters respectively (1 to a, 26 to z, 27 to aa, 52 to zz, 53 to ba, 702 to zz, 703 to aaa, etc.). Can be used as a replacement for L<sup>A</sup>T<sub>E</sub>X's and macros.  
 URL: <https://ctan.org/pkg/alphaph>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/alphaph>
- *The atbegshi package. Execute stuff at \shipout time*. 2019-12-07. Version 1.19. LICENSE: lppl1.3. This package is a modern reimplementaion of package , providing various commands to be executed before a command. It makes use of e-TeX's facilities if they are available. The package may be used either with L<sup>A</sup>T<sub>E</sub>X or with plain T<sub>E</sub>X.  
 URL: <https://ctan.org/pkg/atbegshi>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/atbegshi>
- *The atenddvi package. Provides the \AtEndDvi command*. 2020-11-12. Version 1.5. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/atenddvi>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/atenddvi>
- *The attachfile2 package. Attach files into PDF*. 2019-11-27. Version 2.11. LICENSE: lppl1.3c. This package can be used to attach files to a PDF document. It is a further development of Scott Pakin's package for . Apart from bug fixes, this package adds support for dvips, some new options, and gets and writes meta information data about the attached files.  
 URL: <https://ctan.org/pkg/attachfile2>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/attachfile2>
- *The atveryend package. Hooks at the very end of a document*. 2019-12-12. Version 1.11. LICENSE: lppl1.3. This L<sup>A</sup>T<sub>E</sub>X packages provides two hooks for that are executed after the hook of : can be used for code that is to be executed right after the last before the " file is closed. is used for code after closing and final reading of the " file.  
 URL: <https://ctan.org/pkg/atveryend>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/atveryend>
- *The auxhook package. Hooks for auxiliary files*. 2019-12-22. Version 1.6. LICENSE: lppl1.3. This package auxhook provides hooks for adding stuff at the begin of files.  
 URL: <https://ctan.org/pkg/auxhook>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/auxhook>
- *The backref package. Make hyper-references back from bibliography to citation*. 2023-02-08. Version 1.41. LICENSE: lppl1.3. This package is part of the bundle, and only works when loaded with hyperref.  
 URL: <https://ctan.org/pkg/backref>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hyperref>
- Oberdiek, Heiko. *The bigintcalc package. Integer calculations on very large numbers*. 2019-12-21. Version 1.5. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/bigintcalc>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bigintcalc>

- *The bitset package*. Handle bit-vector datatype. 2019-12-14. Version 1.3. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/bitset>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bitset>
- *The bmpsize package*. Extract size and resolution data from bitmap files. 2019-12-31. Version 1.8. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/bmpsize>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/bmpsize.dtx>
- *The bookmark package*. A new bookmark (outline) organization for hyperref. 2020-11-08. Version 1.29. LICENSE: lppl1.3c. This package implements a new bookmark (outline) organization for package . Bookmark properties such as style and color can now be set. Other action types are available (URI, GoToR, Named). The bookmarks are generated in the first compile run. Package uses two runs.  
URL: <https://ctan.org/pkg/bookmark>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bookmark>
- *The catchfile package*. Catch an external file into a macro. 2019-12-14. Version 1.8. LICENSE: lppl1.3. This package catches the contents of a file and puts it in a macro. It requires . Both and are supported.  
URL: <https://ctan.org/pkg/catchfile>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/catchfile>
- *The centernot package*. Centred \not command. 2018-01-06. Version 1.4. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/centernot>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/centernot.dtx>
- *The chemarr package*. Arrows for chemists. 2018-01-06. Version 1.3. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/chemarr>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/chemarr.dtx>
- *The classlist package*. Record classes used in a document. 2019-09-28. Version 1.5. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/classlist>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/classlist.dtx>
- *The colonequals package*. Colon equals symbols. 2016-06-24. Version 1.1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/colonequals>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/colonequals.dtx>
- *The dosepsbin package*. Deal with DOS binary EPS files. 2016-07-05. Version 1.2. LICENSE: artistic  
URL: <https://ctan.org/pkg/dosepsbin>  
MIRROR: <https://mirror.ctan.org/support/dosepsbin>
- *The dvipscol package*. Alter the usage of the dvips colour stack. 2018-01-06. Version 1.3. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/dvipscol>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/dvipscol.dtx>
- *The embedfile package*. Embed files into PDF. 2023-01-12. Version 2.12. LICENSE: lppl1.3c. This package embeds files in a PDF document, using the PDF format’s embedding operation (note the contrast with the attach operation used by the and packages). Currently only >=1.30, in PDF mode, is supported.  
URL: <https://ctan.org/pkg/embedfile>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/embedfile>
- *The engord package*. Converts numbers to English ordinal numbers. 2018-01-06. Version 1.9. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/engord>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/engord.dtx>
- *The enparen package*. Consistent nested brackets. 2016-06-24. Version 1.1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/enparen>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/enparen.dtx>
- *The eolgrab package*. Catch arguments delimited by end of line. 2016-06-24. Version 1.1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/eolgrab>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/eolgrab.dtx>
- *The epstopdf-pkg package*. Call epstopdf “on the fly”. 2020-01-24. Version 2.11. LICENSE: lppl1.3. The package adds support for EPS files in the package when running under pdfTeX. If an EPS graphic is detected, the package spawns a process to convert the EPS to PDF, using the script . This of course requires that shell escape is enabled for the pdfTeX run.  
URL: <https://ctan.org/pkg/epstopdf-pkg>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/epstopdf-pkg>
- Oberdiek, Heiko. *The etexcmds package*. Avoid name clashes with e-TeX commands. 2019-12-31. Version 1.7. LICENSE: lppl1.3. New primitive commands are introduced in e-TeX; sometimes the names collide with existing macros. This package solves the name clashes by adding a prefix to e-TeX’s commands. For example, eTeX’s is provided as .

- URL: <https://ctan.org/pkg/etexcmds>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/etexcmds>
- *The fibnum package*. Generate Fibonacci numbers. 2016-06-24. Version 1.1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/fibnum>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/fibnum.dtx>
  - *The flags package*. Setting and clearing of flags in bit fields. 2016-06-24. Version 0.5. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/flags>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/flags.dtx>
  - *The gettitlestring package*. Clean up title references. 2019-12-21. Version 1.6. LICENSE: lppl1.3. Cleans up the title string (removing commands) for packages (such as ) that typeset such strings.  
URL: <https://ctan.org/pkg/gettitlestring>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gettitlestring>
  - *The grfext package*. Manipulate the graphics package’s list of extensions. 2019-12-06. Version 1.3. LICENSE: lppl1.3. This package provides macros for adding to, and reordering the list of graphics file extensions recognised by package .  
URL: <https://ctan.org/pkg/grfext>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/grfext>
  - *The grffile package*. Extended file name support for graphics (legacy package). 2019-11-11. Version 2.1. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/grffile>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/grffile>
  - *The hobsub package*. Construct package bundles. 2019-11-17. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/hobsub>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hobsub>
  - *The hologo package*. A collection of logos with bookmark support. 2021-11-17. Version 1.15. LICENSE: lppl1.3c. The package defines a single command , whose argument is the usual case-confused ASCII version of the logo. The command is bookmark-enabled, so that every logo becomes available in bookmarks without further work.  
URL: <https://ctan.org/pkg/hologo>  
MIRROR: <https://mirror.ctan.org/macros/generic/hologo>
  - *The holtxdoc package*. Documentation macros for oberdiek bundle, etc. 2019-11-15. Version 0.29. LICENSE: lppl1.3c. These are personal macros, which are not necessarily useful to other authors (they are provided as part of the source of others of the author’s packages). Macros that may be of use to other authors are available separately, in package .  
URL: <https://ctan.org/pkg/holtxdoc>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/holtxdoc.dtx>
  - *The hopatch package*. Load patches for packages. 2023-01-07. Version 1.5. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/hopatch>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hopatch>
  - *The hycolor package*. Implements colour for packages hyperref and bookmark. 2020-01-28. Version 1.10. LICENSE: lppl1.3. This package provides the code for the option that is used by packages and . It is not intended as package for the user.  
URL: <https://ctan.org/pkg/hycolor>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hycolor>
  - *The hypbmsec package*. Hypertext bookmarks in sectioning commands. 2018-01-06. Version 2.5. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/hypbmsec>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/hypbmsec.dtx>
  - *The hypcap package*. Adjusting the anchors of captions. 2018-01-06. Version 1.12. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/hypcap>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/hypcap.dtx>
  - *The hypdestopt package*. Hyperref destination optimizer. 2020-09-07. Version 2.7. LICENSE: lppl1.3. This package supports ’s pdfTeX driver. It removes unnecessary destinations and shortens the destination names or uses numbered destinations to get smaller PDF files.  
URL: <https://ctan.org/pkg/hypdestopt>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hypdestopt>
  - *The hypdoc package*. Hyper extensions for doc.sty. 2023-01-23. Version 1.18. LICENSE: lppl1.3c. This package adds hypertext features to the package that is used in the documentation system of . Bookmarks are added and references are linked as far as possible.  
URL: <https://ctan.org/pkg/hypdoc>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hypdoc>



- Oberdiek, Heiko. *The hypgotoe package. Links to embedded files.* 2019-12-31. Version 0.3. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/hypgotoe>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/hypgotoe.dtx>
- *The hyphsubst package. Substitute hyphenation patterns.* 2016-06-24. Version 0.3. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/hyphsubst>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/hyphsubst.dtx>
  - *The ifdraft package. Detect “draft” and “final” class options.* 2018-01-06. Version 1.4. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/iftdraft>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/iftdraft.dtx>
  - *The iflang package. Expandable checks for the current language.* 2018-09-08. Version 1.7. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/iflang>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/iflang.dtx>
  - *The infwarerr package. Complete set of information/warning/error message macros.* 2019-12-06. Version 1.5. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/infwarerr>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/infwarerr>
  - *The inputenx package. Enhanced input encoding handling.* 2019-12-01. Version 1.12. LICENSE: lppl1.3. This package deals with input encodings. It provides a wider range of input encodings using standard mappings, than does ; it also covers nearly all slots. In this way, it serves as more up-to-date replacement for package .  
 URL: <https://ctan.org/pkg/inputenx>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/inputenx>
  - *The intcalc package. Expandable arithmetic operations with integers.* 2019-12-21. Version 1.3. LICENSE: lppl1.3. This package provides expandable arithmetic operations with integers, using the e-TeX extension if it is available.  
 URL: <https://ctan.org/pkg/intcalc>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/intcalc>
  - *The kvdefinekeys package. Define keys for use in the kvsetkeys package.* 2019-12-21. Version 1.6. LICENSE: lppl1.3c. The package provides a macro (analogous to , to define keys for use by .  
 URL: <https://ctan.org/pkg/kvdefinekeys>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/kvdefinekeys>
  - *The kvoptions package. Key value format for package options.* 2022-06-16. Version 3.15. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/kvoptions>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/kvoptions>
  - *The kvsetkeys package. Key value parser with default handler support.* 2022-10-05. Version 1.19. LICENSE: lppl1.3. This package provides \kvsetkeys, a variant of package ’s . It allows the user to specify a handler that deals with unknown options. Active commas and equal signs may be used (e.g. see ’s shorthands) and only one level of curly braces are removed from the values.  
 URL: <https://ctan.org/pkg/kvsetkeys>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/kvsetkeys>
  - *The LaTeX-tds package. A structured copy of the L<sup>A</sup>T<sub>E</sub>X distribution.* 2021-03-14. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/latex-tds>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/latex-tds>
  - *The letltxmacro package. Let assignment for L<sup>A</sup>T<sub>E</sub>X macros.* 2019-12-06. Version 1.6. LICENSE: lppl1.3. TeX’s assignment does not work for L<sup>A</sup>T<sub>E</sub>X macros with optional arguments or for macros that are defined as robust macros by . This package defines that also takes care of the involved internal macros.  
 URL: <https://ctan.org/pkg/letltxmacro>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/letltxmacro>
  - *The listingsutf8 package. Allow UTF-8 in listings input.* 2019-12-14. Version 1.5. LICENSE: lppl1.3. Package does not support files with multi-byte encodings such as UTF-8. In the case of , a simple workaround is possible if a one-byte encoding exists that the file can be converted to. The package requires the e-TeX extensions under pdfTeX (in either PDF or DVI output mode).  
 URL: <https://ctan.org/pkg/listingsutf8>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/listingsutf8>
  - *The ltxcmds package. Some L<sup>A</sup>T<sub>E</sub>X kernel commands for general use.* 2020-09-24. Version 1.25. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/ltxcmds>  
 MIRROR: <https://mirror.ctan.org/macros/generic/ltxcmds>
- Oberdiek, Heiko. *The luacolor package. Color support based on LuaTeX’s node attributes.* 2021-02-18. Version 1.17. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/luacolor>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/luacolor>



- *The luatex-pkg package. Basic definitions for LuaTeX.* 2019-11-15. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/luatex-pkg>
- *The magicnum package. Access T<sub>E</sub>X systems' "magic numbers".* 2019-12-01. Version 1.7. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/magicnum>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/magicnum>
- *The makerobust package. Making a macro robust (legacy package).* 2019-11-17. Version 2.0. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/makerobust>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/makerobust>
- *The mkjobtexmf package. Generate a texmf tree for a particular job.* 2016-06-24. Version 0.8. LICENSE: artistic  
URL: <https://ctan.org/pkg/mkjobtexmf>  
MIRROR: <https://mirror.ctan.org/support/mkjobtexmf>
- *The mleftright package. Variants of delimiters that act as maths open/close.* 2019-12-06. Version 1.2. LICENSE: lppl1.3. The package defines variants of `and` and `,` that make the delimiters act as `and` and `,`. These commands address spacing difficulties in subformulas.  
URL: <https://ctan.org/pkg/mleftright>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mleftright>
- *The oberdiek package. A bundle of packages submitted by Heiko Oberdiek.* 2023-01-10. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/oberdiek>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek>
- *The pagegrid package. Print page grid in background.* 2022-09-24. Version 1.6. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/pagegrid>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pagegrid>
- *The pagesel package. Select pages of a document for output.* 2023-01-11. Version 1.10. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/pagesel>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pagesel>
- *The pdfcol package. Macros for maintaining colour stacks under pdfTeX.* 2022-09-24. Version 1.7. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/pdfcol>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pdfcol>
- *The pdfcolfoot package. Separate color stack for footnotes with pdfTeX.* 2023-01-14. Version 1.4. LICENSE: lppl1.3. Since version 1.40 supports several colour stacks. This package uses a separate colour stack for footnotes that can break across pages.  
URL: <https://ctan.org/pkg/pdfcolfoot>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pdfcolfoot>
- *The pdfcolmk package. Improved colour support under pdfTeX (legacy stub).* 2019-11-27. Version 2.0. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/pdfcolmk>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pdfcolmk>
- *The pdfcolparallel package. Fix colour problems in package 'parallel'.* 2019-12-31. Version 1.5. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/pdfcolparallel>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/pdfcolparallel.dtx>
- *The pdfcolparcolumns package. Fix colour problems in package 'parcolumns'.* 2019-12-31. Version 1.5. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/pdfcolparcolumns>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/pdfcolparcolumns.dtx>
- *The pdfcrop package. Crop PDF graphics.* 2020-06-06. Version 1.40. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/pdfcrop>  
MIRROR: <https://mirror.ctan.org/support/pdfcrop>
- *The pdfcrypt package. Allows the setting of pdf encryption.* 2018-01-06. Version 1.1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/pdfcrypt>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/pdfcrypt.dtx>
- *The pdfescape package. Implements pdfTeX's escape features using T<sub>E</sub>X or e-TeX.* 2019-12-14. Version 1.15. LICENSE: lppl1.3. This package implements T<sub>E</sub>X's escape features (`\`, `^`, `~`, `_`) using T<sub>E</sub>X or e-TeX.  
URL: <https://ctan.org/pkg/pdfescape>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pdfescape>
- *The pdfscape package. Make landscape pages display as landscape.* 2022-10-29. Version 0.13. LICENSE: lppl1.3c. The package adds PDF support to the landscape environment of package `landscape`, by setting the PDF page attribute. Pages with this attribute will be displayed in landscape orientation by conforming PDF viewers.  
URL: <https://ctan.org/pkg/pdfscape>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pdfscape>

- Oberdiek, Heiko. *The pdfrender package. Control rendering parameters*. 2019-12-31. Version 1.6. LICENSE: lppl1.3. The package provides interfaces for the user to control PDF parameters, such as line width or text rendering mode. The control operations work in a manner very similar to that of the package.  
URL: <https://ctan.org/pkg/pdfrender>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/pdfrender.dtx>
- *The pdftexcmds package. LuaTeX support for pdfTeX utility functions*. 2020-06-29. Version 0.33. LICENSE: lppl1.3c. LuaTeX provides most of the commands of 1.40. However, a number of utility functions are not available. This package tries to fill the gap and implements some of the missing primitives using Lua.  
URL: <https://ctan.org/pkg/pdftexcmds>  
MIRROR: <https://mirror.ctan.org/macros/generic/pdftexcmds>
  - *The picture package. Dimens for picture macros*. 2020-04-23. Version 1.6. LICENSE: lppl1.3. There are macro and environment arguments that expect numbers that will internally be multiplied by . This package extends the syntax of these arguments, so that dimensions with calculation support may be used for these arguments.  
URL: <https://ctan.org/pkg/picture>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/picture>
  - *The pkfix package. Replace pk fonts in PostScript with Type 1 fonts*. 2018-01-06. Version 1.7. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/pkfix>  
MIRROR: <https://mirror.ctan.org/support/pkfix>
  - *The pmboxdraw package. Poor man's box drawing characters*. 2019-12-10. Version 1.4. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/pmboxdraw>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pmboxdraw>
  - *The protecteddef package. Define protected commands*. 2016-06-24. Version 1.1. LICENSE: lppl1.3. The package defines a command that will create L<sup>A</sup>T<sub>E</sub>X ‘robust’ command or an e-TeX ‘protected’ command as appropriate to its environment.  
URL: <https://ctan.org/pkg/protecteddef>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/protecteddef.dtx>
  - *The refcount package. Counter operations with label references*. 2019-12-21. Version 3.6. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/refcount>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/refcount>
  - *The rerunfilecheck package. Checksum based rerun checks on auxiliary files*. 2022-07-10. Version 1.10. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/rerunfilecheck>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/rerunfilecheck>
  - *The resizgather package. Automatically resize overly large equations*. 2018-01-06. Version 1.3. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/resizgather>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/resizgather.dtx>
  - *The rotchiffre package. Perform simple rotation cyphers*. 2016-06-24. Version 1.1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/rotchiffre>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/rotchiffre.dtx>
  - *The scrindex package. Make index package work with Koma-script classes*. 2016-06-24. Version 1.2. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/scrindex>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/scrindex.dtx>
  - *The selinput package. Semi-automatic detection of input encoding*. 2019-12-14. Version 1.6. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/selinput>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/selinput>
  - *The setouterhbox package. Set hbox in outer horizontal mode*. 2016-06-24. Version 1.8. LICENSE: lppl1.3. If math stuff is set in an , then T<sub>E</sub>X performs some optimization and omits the implicit penalties and . This packages tries to put stuff into an without losing those penalties.  
URL: <https://ctan.org/pkg/setouterhbox>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/setouterhbox.dtx>
  - *The settobox package. Assigning dimensions of a box to a length register*. 2018-01-06. Version 1.5. LICENSE: lppl1.3. Commands to assist the reuse of boxes (set up by or by the environment); the commands behave similarly to the (etc.) commands. For example:  
URL: <https://ctan.org/pkg/settobox>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/settobox.dtx>
- Oberdiek, Heiko. *The soul package. Hyphenation for letterspacing, underlining, and more*. 2023-02-19. Version 3.0. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/soul>  
MIRROR: <https://mirror.ctan.org/macros/generic/soul>

- *The stackrel package. Enhancement to the \stackrel command.* 2018-01-06. Version 1.3. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/stackrel>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/stackrel.dtx>
  - *The stampinclude package. Inclusion based on .aux file date stamps.* 2016-06-24. Version 1.1. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/stampinclude>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/stampinclude.dtx>
  - *The stringenc package. Converting a string between different encodings.* 2019-12-02. Version 1.12. LICENSE: lppl1.3. This package provides for converting a string between different encodings. Both and are supported.  
 URL: <https://ctan.org/pkg/stringenc>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/stringenc>
  - *The tabularht package. Tabular environments with height specified.* 2019-12-31. Version 2.7. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/tabularht>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/tabularht.dtx>
  - *The tabularkv package. Tabular environments with key-value interface.* 2018-01-06. Version 1.2. LICENSE: lppl1.3. The tabularkv package creates an environment , whose arguments are specified in key-value form. The arguments chosen determine which other type of tabular is to be used (whether standard L<sup>A</sup>T<sub>E</sub>X ones, or environments from the or the package).  
 URL: <https://ctan.org/pkg/tabularkv>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/tabularkv.dtx>
  - *The telprint package. Format German phone numbers.* 2018-01-06. Version 1.11. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/telprint>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/telprint.dtx>
  - *The thepdfnumber package. Print PDF numbers with minimal digits.* 2016-06-24. Version 1.1. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/thepdfnumber>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/thepdfnumber.dtx>
  - *The thumbpdf package. Thumbnails for pdfTeX and dvips/ps2pdf.* 2018-09-08. Version 3.17. LICENSE: lppl1.3. A Perl script that provides support for thumbnails in and /ps2pdf. The script uses to generate the thumbnails which get represented in a T<sub>E</sub>X readable file that is read by the package to automatically include the thumbnails. This arrangement works with both plain T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X.  
 URL: <https://ctan.org/pkg/thumbpdf>  
 MIRROR: <https://mirror.ctan.org/support/thumbpdf>
  - *The transparent package. Using a color stack for transparency with pdfTeX.* 2022-10-29. Version 1.5. LICENSE: lppl1.3c. and support several color stacks. This package shows how a separate color stack can be used for transparency, a property besides color that works across page breaks. If the PDF management is used it can also be used with other engines, but without support for page breaks.  
 URL: <https://ctan.org/pkg/transparent>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/transparent>
  - *The twoopt package. Definitions with two optional arguments.* 2018-01-06. Version 1.6. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/twoopt>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/oberdiek/twoopt.dtx>
  - *The uniquecounter package. Provides unlimited unique counter.* 2019-12-21. Version 1.4. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/uniquecounter>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/uniquecounter>
  - *The vpe package. Source specials for PDF output.* 2016-06-24. Version 0.2. LICENSE: lppl  
 URL: <https://ctan.org/pkg/vpe>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/vpe>
  - *The zref package. A new reference scheme for L<sup>A</sup>T<sub>E</sub>X.* 2022-04-07. Version 2.34. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/zref>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/zref>
- Oberdiek, Heiko, Oberdiek Package Support Group, and Sebastian Rahtz. *The nameref package. Make reference to section names, etc.* 2023-02-08. Version 2.50. LICENSE: lppl1.3. Defines a command, that makes reference to an object by its name (e.g., the title of a section or chapter). The package is part of the bundle, and works well with hyperref.  
 URL: <https://ctan.org/pkg/nameref>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hyperref>
- Oberdiek, Heiko, Sebastian Rahtz, Oberdiek Package Support Group, and The L<sup>A</sup>T<sub>E</sub>X Project Team. *The hyperref package. Extensive support for hypertext in L<sup>A</sup>T<sub>E</sub>X.* 2023-02-08. Version 7.00v. LICENSE: lppl1.3

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hyperref>

URL: <https://ctan.org/pkg/pax>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pax>

URL: <https://ctan.org/pkg/eukleides>

MIRROR: <https://mirror.ctan.org/support/eukleides>

URL: <https://ctan.org/pkg/mafr>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mafr>

URL: <https://ctan.org/pkg/variations>

MIRROR: <https://mirror.ctan.org/macros/generic/variations>

URL: <https://ctan.org/pkg/beamertheme-cuerna>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/beamer-contrib/themes/beamertheme-cuerna>

URL: <https://ctan.org/pkg/lshort>

MIRROR: <https://mirror.ctan.org/info/lshort>

URL: <https://ctan.org/pkg/lshort-english>

MIRROR: <https://mirror.ctan.org/info/lshort/english>

URL: <https://ctan.org/pkg/timetab>

MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/timetab.sty>

URL: <https://ctan.org/pkg/acronym>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/acronym>

URL: <https://ctan.org/pkg/qfig>

MIRROR: <https://mirror.ctan.org/support/gfio>

URL: <https://ctan.org/pkg/ltxgrid>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/revtex>

URL: <https://ctan.org/pkg/ltxutil>

MIRROR: <https://mirror.ctan.org/>

*The psizzl package. A T<sub>E</sub>X format for physics papers.* 2016-06-24.

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awa, Arthur, Mark Doyle, Phelype Oleinik, and Fran

MIRROR: <https://mirror.ctan.org>

*The revtex4-0 package. Styles for various Physics Journals (old v*

MIRROR: <https://mirror.ctan.org/ob>



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 URL: <https://ctan.org/pkg/revtex4-1>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/revtex4-1>
- Ohl, Thorsten. *The emp package. "Encapsulate" MetaPost figures in a document.* 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/emp>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/emp>
- *The feynmf package. Macros and fonts for creating Feynman (and other) diagrams.* 2018-01-06. Version 1.08. LICENSE: gpl  
 URL: <https://ctan.org/pkg/feynmf>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/feynmf>
  - *The mcite package. Multiple items in a single citation.* 2016-06-24. Version 1.6. LICENSE: gpl  
 URL: <https://ctan.org/pkg/mcite>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mcite>
- Ohlhaut, Marcus. *The niceframe package. Support for fancy frames.* 2017-10-29. Version 1.1c. LICENSE: lppl. The package defines means of drawing frames around boxes, using dingbat fonts. Some (Metafont) font sources are included; the fonts are available separately in .  
 URL: <https://ctan.org/pkg/niceframe>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/niceframe>
- Okumura, Haruhiko and Japanese T<sub>E</sub>X Development Community. *The jsclasses package. Classes tailored for use with Japanese.* 2023-02-23. LICENSE: bsd  
 URL: <https://ctan.org/pkg/jsclasses>  
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- Ol, Say. *The beamertheme-phnompenh package. A simple beamer theme.* 2016-06-24. Version 1.0. LICENSE: gpl  
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- Oleinik, Phelype. *The namedef package. TeX definitions with named parameters.* 2020-06-23. Version 1.0. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/namedef>  
 MIRROR: <https://mirror.ctan.org/macros/generic/namedef>
- Oliveira, Nuno. *The reotex package. Draw Reo Channels and Circuits.* 2016-06-24. Version 1.1. LICENSE: lppl. The package defines macros and other utilities to design Reo Circuits. The package requires support.  
 URL: <https://ctan.org/pkg/reotex>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/reotex>
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 URL: <https://ctan.org/pkg/ualasses>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ualasses>
- Olko, Mariusz and Marcin Woliński. *The polski package. Typeset Polish documents with L<sup>A</sup>T<sub>E</sub>X and Polish fonts.* 2021-08-25. Version 1.3.6. LICENSE: lppl1.2  
 URL: <https://ctan.org/pkg/polski>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/polski>
- Olšák, Petr. *The a2ac package. AFM to AFM plus Composites.* 2016-06-24. Version 2. LICENSE: other-nonfree  
 URL: <https://ctan.org/pkg/a2ac>  
 MIRROR: <https://mirror.ctan.org/fonts/utilities/a2ac>
- *The apnum package. Arbitrary precision numbers implemented by T<sub>E</sub>X macros.* 2018-04-22. Version 1.7. LICENSE: pd  
 URL: <https://ctan.org/pkg/apnum>  
 MIRROR: <https://mirror.ctan.org/macros/generic/apnum>
  - *The code128 package. Barcode macros for the Code 128 standard.* 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/code128>  
 MIRROR: <https://mirror.ctan.org/macros/generic/code128>
  - *The csfonts-t1 package. Czech/Slovak tuned CM fonts in Type 1 format.* 2017-04-18. LICENSE: gpl. These are Adobe Type 1 versions of the fonts.  
 URL: <https://ctan.org/pkg/csfonts-t1>  
 MIRROR: <https://mirror.ctan.org/macros/cstex/base/csfonts-t1.tar.gz>
- Olšák, Petr. *The csplain package. Plain T<sub>E</sub>X multilanguage support.* 2022-03-17. Version Mar. 2022. LICENSE: other-free  
 URL: <https://ctan.org/pkg/csplain>  
 MIRROR: <https://mirror.ctan.org/macros/cstex/base/csplain.tar.gz>



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 URL: <https://ctan.org/pkg/cstex>  
 MIRROR: <https://mirror.ctan.org/macros/cstex>
- *The docbytex package. Creating documentation from source code.* 2017-04-18. LICENSE: other-free  
 URL: <https://ctan.org/pkg/docbytex>  
 MIRROR: <https://mirror.ctan.org/macros/generic/docbytex>
- *The ean package. Macros for making EAN barcodes.* 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/ean>  
 MIRROR: <https://mirror.ctan.org/macros/generic/ean>
- *The encTeX package. A T<sub>E</sub>X extension that translates input on its way into T<sub>E</sub>X.* 2018-01-06. LICENSE: gpl  
 URL: <https://ctan.org/pkg/encTeX>  
 MIRROR: <https://mirror.ctan.org/systems/encTeX>
- *The ofs package. Macros for managing large font collections.* 2017-04-18. LICENSE: knuth. OFS (Olsak's Font System) is a set of Plain T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X macros for managing large font collections; it has been used by Czech/Slovak users for many years. Main features include:  
 URL: <https://ctan.org/pkg/ofs>  
 MIRROR: <https://mirror.ctan.org/macros/generic/ofs>
- *The olsak-misc package. Collection of plain T<sub>E</sub>X macros written by Petr Olšák.* 2022-08-04. Version Aug. 2022. LICENSE: pd  
 URL: <https://ctan.org/pkg/olsak-misc>  
 MIRROR: <https://mirror.ctan.org/macros/generic/olsak-misc>
- *The OpTeX package. LuaTeX format based on Plain T<sub>E</sub>X and OPmac.* 2023-03-09. Version 1.11. LICENSE: pd  
 URL: <https://ctan.org/pkg/optex>  
 MIRROR: <https://mirror.ctan.org/macros/optex>
- *The TeX-nutshell package. A short document about T<sub>E</sub>X principles.* 2022-05-18. Version 0.8. LICENSE: pd  
 URL: <https://ctan.org/pkg/tex-nutshell>  
 MIRROR: <https://mirror.ctan.org/info/tex-nutshell>
- Olšák, Petr and Zdeněk Wagner. *The cspsfonts package. Czech/Slovakian PostScript font support.* 2017-04-18. LICENSE: gpl  
 URL: <https://ctan.org/pkg/cspsfonts>  
 MIRROR: <https://mirror.ctan.org/macros/cstex/base/cspsfonts.tar.gz>
- Olthof, Edgar. *The fcolumn package. Typesetting financial tables.* 2022-02-01. Version 1.4.1. LICENSE: lppl1.3. In financial reports, text and currency amounts are regularly put in one table, e.g., a year balance or a profit-and-loss overview. This package provides the settings for automatically typesetting such columns, including the sum line (preceded by a rule of the correct width) using the specifier “”.  
 URL: <https://ctan.org/pkg/fcolumn>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fcolumn>
- Omidali, Mehdi and Tobias Oetiker. *The lshort-persian package. Persian (Farsi) introduction to L<sup>A</sup>T<sub>E</sub>X.* 2016-06-24. Version 5.01. LICENSE: pd. A Persian (Farsi) translation of Oetiker's .  
 URL: <https://ctan.org/pkg/lshort-persian>  
 MIRROR: <https://mirror.ctan.org/info/lshort/persian>
- Oostrum, Pieter van. *The badge package. Print badge labels.* 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/badge>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/badge>
- *The bigdelim package. Big delimiters in tabular or array.* 2021-03-15. Version 2.8. LICENSE: lppl1.3. The commands and may be used to place multi-row delimiters inside a tabular or array, in cooperation with the package.  
 URL: <https://ctan.org/pkg/bigdelim>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/multirow>
- *The bigstrut package. Struts for opening up tabular spacing.* 2021-03-15. Version 2.8. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/bigstrut>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/multirow>
- *The fancyhdr package. Extensive control of page headers and footers in L<sup>A</sup>T<sub>E</sub>X2<sub>ε</sub>.* 2022-11-09. Version 4.1. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/fancyhdr>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fancyhdr>
- Oostrum, Pieter van. *The fancyheadings package. Legacy headings package.* 2022-11-09. Version 4.1. LICENSE: lppl1.3. This package is now a stub for .  
 URL: <https://ctan.org/pkg/fancyheadings>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fancyhdr>

- *The lkort package. A short introduction to L<sup>A</sup>T<sub>E</sub>X, in Dutch.* 2019-06-21. LICENSE: noinfo  
URL: <https://ctan.org/pkg/lkort>
  
- Oostrum, Pieter van and Jerry Leichter. *The multirow package. Create tabular cells spanning multiple rows.* 2021-03-15. Version 2.8.  
LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/multirow>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/multirow>
- Optical Society of America. *The osa package. Macros for Optical Society of America Journals, etc.* 2017-04-18. LICENSE: noinfo  
URL: <https://ctan.org/pkg/osa>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/osa>
- Órdenes, Jerick. *The xcolor-material package. Defines the 256 colors from Google Material Color Palette.* 2016-11-16. Version 0.1.  
LICENSE: lppl1.3. The package is built on top of the great package. It provides a useful definition of the beautiful Google Material Color Palette, available at , for its use in document writing with L<sup>A</sup>T<sub>E</sub>X and Friends.  
URL: <https://ctan.org/pkg/xcolor-material>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xcolor-material>
- Oriet, Boris. *The chextras package. A companion package for the Swiss typesetter.* 2016-06-24. Version 1.01. LICENSE: lppl1.3. The package simplifies the preparation of Swiss documents and letters by setting up linguistic and common packages. While it is a useful addition to the document class, it is not tied to it and may be used as a general purpose package.  
URL: <https://ctan.org/pkg/chextras>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/chextras>
- *The chletter package. Class for typesetting letters to Swiss rules.* 2016-06-24. Version 2.0. LICENSE: lppl  
URL: <https://ctan.org/pkg/chletter>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/chletter>
- Orlandini, Mauro. *The shadow package. Shadow boxes.* 2018-04-18. LICENSE: lppl. Defines a command (analogous to ), and supporting mechanisms.  
URL: <https://ctan.org/pkg/shadow>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/shadow>
- Orlandini, Mauro and George Greenwade. *The daytime package. Print time of day.* 2020-04-11. LICENSE: noinfo. A jiffy to provide macros and to print times, in 12-hour am/pm form (with, and without leading zeros).  
URL: <https://ctan.org/pkg/daytime>  
MIRROR: <https://mirror.ctan.org/macros/generic/misc/daytime.sty>
- Orlandini, Mauro and Max Hailperin. *The multicolpar package. Put successive paragraphs in different columns.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/multicolpar>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/multicolpar.sty>
- Orloff, Jean. *The psbox package. PostScript box macros, etc.* 2016-06-24. Version 1.34. LICENSE: noinfo  
URL: <https://ctan.org/pkg/psbox>  
MIRROR: <https://mirror.ctan.org/macros/generic/psbox>
- Ørsted, Sebastian. *The leftindex package. Left indices with better spacing.* 2020-08-31. Version 0.1beta. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/leftindex>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/leftindex>
- *The SemanTeX package. Semantic, keyval-based mathematics.* 2023-01-23. Version 0.525. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/semantex>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/semantex>
- *The SemTeX package. Deals with stripped SemanTeX documents.* 2020-10-04. Version 0.45. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/semtex>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/semtex>
- *The stricttex package. Strictly balanced brackets and numbers in command names.* 2020-09-08. Version 0.2beta. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/stricttex>  
MIRROR: <https://mirror.ctan.org/macros/luatex/latex/stricttex>
- Ortolo, Tanguy. *The songproj package. Generate Beamer slideshows with song lyrics.* 2023-03-29. Version 1.2.0. LICENSE: bsd3  
URL: <https://ctan.org/pkg/songproj>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/songproj>
- Osborne, Alexander. *The PuyoTikZ package. Quickly typeset board states of Puyo Puyo games.* 2021-01-03. Version 1.0.1. LICENSE: mit  
URL: <https://ctan.org/pkg/puyotikz>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/puyotikz>

- Osborne, Martin J. *The egameps package. L<sup>A</sup>T<sub>E</sub>X package for typesetting extensive games*. 2018-09-15. Version 1.1. LICENSE: lppl. The style is intended to have enough features to draw any extensive game with relative ease. The facilities of are used for graphics. (An older version of the package, which uses the L<sup>A</sup>T<sub>E</sub>X picture environment rather than PSTricks and consequently has many fewer features is available on the package home page.)  
 URL: <https://ctan.org/pkg/egameps>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/egameps>
- *The latex-bnf package. L<sup>A</sup>T<sub>E</sub>X macros for typing BNF specifications*. 2016-06-24. Version 1.1a. LICENSE: noinfo. The package defines an environment . The contents of the environment is a context-free grammar, and the environment will pretty-print it.  
 URL: <https://ctan.org/pkg/latex-bnf>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/tex-bnf>
  - *The rputover package. Place text over PSTricks objects without obscuring background colors*. 2017-07-02. Version 1.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/rputover>  
 MIRROR: <https://mirror.ctan.org/obsolete/graphics/pstricks/contrib/rputover>
  - *The sgame package. L<sup>A</sup>T<sub>E</sub>X style for typesetting strategic games*. 2017-04-18. Version 2.15. LICENSE: lppl  
 URL: <https://ctan.org/pkg/sgame>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/sgame>
  - *The Swimgraf package. Graphical/textual representations of swimming performances*. 2018-09-15. LICENSE: lppl  
 URL: <https://ctan.org/pkg/swimgraf>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/swimgraf>
  - *The text2bib package. A PHP script to convert references to BibTeX*. 2016-06-24. LICENSE: gpl2  
 URL: <https://ctan.org/pkg/text2bib>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/utils/text2bib>
- Ouassou, Jabir Ali and Luuk Tijssen. *The eulerpx package. A modern interface for the Euler math fonts*. 2022-07-15. Version 1.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/eulerpx>  
 MIRROR: <https://mirror.ctan.org/fonts/eulerpx>
- Oudenhove, Thomas van. *The sort-by-letters package. Bibliography styles for alphabetic sorting*. 2016-06-24. LICENSE: other-free  
 URL: <https://ctan.org/pkg/sort-by-letters>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/sort-by-letters>
- *The texloganalyser package. Analyse T<sub>E</sub>X logs*. 2020-03-26. Version 0.11. LICENSE: bsd  
 URL: <https://ctan.org/pkg/texloganalyser>  
 MIRROR: <https://mirror.ctan.org/support/texloganalyser>
- Owens, John. *The otfinst package. Install OpenType fonts for use in T<sub>E</sub>X/L<sup>A</sup>T<sub>E</sub>X systems*. 2018-01-06. Version 1.0.3. LICENSE: bsd. Otfinst takes a list of OpenType font files as input, uses Eddie Kohler's to install them into a T<sub>E</sub>X/L<sup>A</sup>T<sub>E</sub>X system, and builds and installs the necessary font description and style files. Otfinst was formerly known as offtex\_install and is written in Python. It has similar capabilities to Marc Penninga's .  
 URL: <https://ctan.org/pkg/otfinst>  
 MIRROR: <https://mirror.ctan.org/fonts/utilities/otfinst>
- Pacini, Alex. *The cesenaexam package. A class file to typeset exams*. 2017-08-07. Version 0.2. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/cesenaexam>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cesenaexam>
- Paciorek, Robert. *The ehline package. Extend the \hhline command*. 2020-04-04. Version 1.1. LICENSE: mit. This package extends the command with a token, which allows to create lines with arbitrary L<sup>A</sup>T<sub>E</sub>X commands.  
 URL: <https://ctan.org/pkg/ehline>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ehline>
- *The labels4easylist package. Add reference labels to easylist items*. 2019-05-16. Version 1.0. LICENSE: mit. This package provides the macro for adding configurable reference labels to items.  
 URL: <https://ctan.org/pkg/labels4easylist>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/labels4easylist>
  - *The pdfarticle package. Class for pdf publications*. 2019-05-15. Version 1.0. LICENSE: mit  
 URL: <https://ctan.org/pkg/pdfarticle>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/latex/pdfarticle>
- Paciorek, Robert. *The tikzpackets package. Display network packets*. 2020-07-20. Version 1.0. LICENSE: mit  
 URL: <https://ctan.org/pkg/tikzpackets>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikzpackets>

- *The vtable package*. Vertical alignment of table cells. 2019-05-16. Version 1.0. LICENSE: mit. The package allows vertical alignment of table cell by providing:  
 URL: <https://ctan.org/pkg/vtable>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/vtable>
- Page, Stephen. *The doublespace package*. Double space environment. 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/doublespace>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/latex209/contrib/misc/doublespace.sty>
- *The drafthead package*. Mark "DRAFT" in page headers. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/drafthead>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/drafthead.sty>
- Pagin, Peter. *The philex package*. Cross references for named and numbered environments. 2016-06-24. Version 1.3. LICENSE: lppl  
 URL: <https://ctan.org/pkg/philex>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/philex>
- Paić, Alan and Ivan Kokan. *The babel-croatian package*. Babel contributed support for Croatian. 2016-06-24. Version 1.3l. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/babel-croatian>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/croatian>
- Pakin, Scott. *The arlatex package*. A L<sup>A</sup>T<sub>E</sub>X-based archiver. 2022-10-04. Version 1.1. LICENSE: lppl1.3c. Arlatex is an archiving program like shar, tar, zip, etc. Its output is specifically designed for use with L<sup>A</sup>T<sub>E</sub>X. Arlatex takes the name of a master file and the ancillary files it uses (such as , , and files). From these files, arlatex creates a single file that will recreate all the ancillary files when it's run through L<sup>A</sup>T<sub>E</sub>X.  
 URL: <https://ctan.org/pkg/arlatex>  
 MIRROR: <https://mirror.ctan.org/support/bundledoc>
- *The attachfile package*. Attach arbitrary files to a PDF document. 2018-01-06. Version 1.9. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/attachfile>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/attachfile>
- *The boxedminipage package*. Framed minipages of a specified total width (text and frame combined). 2020-04-21. Version 1.1. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/boxedminipage>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/boxedminipage>
- *The bundledoc package*. Bundle together all the files needed to build a L<sup>A</sup>T<sub>E</sub>X document. 2022-10-04. Version 3.4. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/bundledoc>  
 MIRROR: <https://mirror.ctan.org/support/bundledoc>
- *The bytefield package*. Create illustrations for network protocol specifications. 2021-08-18. Version 2.7. LICENSE: lppl1.3a  
 URL: <https://ctan.org/pkg/bytefield>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bytefield>
- *The comicsans package*. Use Microsoft Comic Sans font. 2021-09-11. Version 1.0g. LICENSE: lppl  
 URL: <https://ctan.org/pkg/comicsans>  
 MIRROR: <https://mirror.ctan.org/fonts/comicsans>
- *The cooltooltips package*. Associate a pop-up window and tooltip with PDF hyperlinks. 2021-08-09. Version 1.1. LICENSE: lppl. The cooltooltips package enables a document to contain hyperlinks that pop up a brief tooltip when the mouse moves over them and also open a small window containing additional text. cooltooltips provides the mechanism used by the to indicate the question that each hyperlink answers.  
 URL: <https://ctan.org/pkg/cooltooltips>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cooltooltips>
- *The covfonts package*. Make Apostrophic Laboratories's Covington fonts available to T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X. 2022-04-24. Version 1.0a. LICENSE: lppl. The covfonts package provides all of the font metrics, virtual fonts, font-description files, and font-mapping files needed to use Apostrophic Laboratories's freely downloadable with T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X.  
 URL: <https://ctan.org/pkg/covfonts>  
 MIRROR: <https://mirror.ctan.org/fonts/covfonts>
- *The ctanify package*. Prepare a package for upload to CTAN. 2017-04-23. Version 1.9.1. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/ctanify>  
 MIRROR: <https://mirror.ctan.org/support/ctanify>
- Pakin, Scott. *The dashrule package*. Draw dashed rules. 2016-06-24. Version 1.3. LICENSE: lppl. The dashrule package makes it easy to draw a huge variety of dashed rules (i.e., lines) in L<sup>A</sup>T<sub>E</sub>X. dashrule provides a command, , which is a cross between L<sup>A</sup>T<sub>E</sub>X's \rule and PostScript's setdash command. draws horizontally dashed rules using the same syntax as , but with an additional,

setdash-like parameter that specifies the pattern of dash segments and the space between those segments. Because dashrule's rules are constructed internally using (as opposed to, e.g., PostScript s) they are fully compatible with every L<sup>A</sup>T<sub>E</sub>X back-end processor.

URL: <https://ctan.org/pkg/dashrule>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/dashrule>

- *The dtxut package. Tutorial on writing .dtx and .ins files.* 2016-06-24. Version 2.1. LICENSE: lppl1.3. This tutorial is intended for advanced L<sup>A</sup>T<sub>E</sub>X2e users who want to learn how to create and files for distributing their homebrewed classes and package files.

URL: <https://ctan.org/pkg/dtxut>

MIRROR: <https://mirror.ctan.org/info/dtxut>

- *The eqparbox package. Create equal-widthed parboxes.* 2017-09-04. Version 4.1. LICENSE: lppl1.3c. L<sup>A</sup>T<sub>E</sub>X users sometimes need to ensure that two or more blocks of text occupy the same amount of horizontal space on the page. To that end, the eqparbox package defines a new command, `\eqparbox`, which works just like `\parbox`, except that instead of specifying a width, one specifies a tag. All eqparboxes with the same tag—regardless of where they are in the document—will stretch to fit the widest eqparbox with that tag. This simple, equal-width mechanism can be used for a variety of alignment purposes, as is evidenced by the examples in eqparbox's documentation. Various derivatives of `\eqparbox` are also provided.

URL: <https://ctan.org/pkg/eqparbox>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/eqparbox>

- *The filecontents package. Create an external file from within a L<sup>A</sup>T<sub>E</sub>X document.* 2019-09-21. Version 1.5. LICENSE: lppl1.3c

URL: <https://ctan.org/pkg/filecontents>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/filecontents>

- *The hyperxmp package. Embed XMP metadata within a L<sup>A</sup>T<sub>E</sub>X document.* 2023-02-20. Version 5.11. LICENSE: lppl1.3c

URL: <https://ctan.org/pkg/hyperxmp>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hyperxmp>

- *The IEEEconf package. Macros for IEEE conference proceedings.* 2021-06-23. Version 1.4. LICENSE: lppl. The IEEEconf class implements the dictated by the IEEE Computer Society Press for conference proceedings.

URL: <https://ctan.org/pkg/ieeeconf>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/IEEEconf>

- *The leawood package. L<sup>A</sup>T<sub>E</sub>X support for use of ITC Leawood font family.* 2016-06-24. LICENSE: lppl

URL: <https://ctan.org/pkg/leawood>

MIRROR: <https://mirror.ctan.org/fonts/psfonts/leawood>

- *The listliketab package. Typeset lists as tables.* 2016-06-24. LICENSE: lppl

URL: <https://ctan.org/pkg/listliketab>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/listliketab>

- *The mf2pt1 package. Convert stylized Metafont to PostScript Type 1.* 2021-12-04. Version 2.7. LICENSE: lppl1.3c. mf2pt1 is a Perl script that facilitates producing PostScript Type 1 fonts from a Metafont source file. It is not, as the name may imply, an automatic converter of arbitrary Metafont fonts to Type 1 format. mf2pt1 imposes a number of restrictions on the Metafont input. If these restrictions are met, mf2pt1 will produce valid Type 1 output with more accurate control points than can be reverse-engineered by T<sub>E</sub>Xtrace, `\fontspec`, and other programs which convert bitmaps to outline fonts.

URL: <https://ctan.org/pkg/mf2pt1>

MIRROR: <https://mirror.ctan.org/support/mf2pt1>

- *The mftinc package. Pretty-print Metafont source.* 2016-06-24. Version 1.0a. LICENSE: lppl

URL: <https://ctan.org/pkg/mftinc>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mftinc>

- *The newcommand package. Generate new L<sup>A</sup>T<sub>E</sub>X command definitions.* 2016-06-24. Version 2.0. LICENSE: lppl. Generating any other than the simple `\newcommand` style commands, in L<sup>A</sup>T<sub>E</sub>X, is tedious (in the least). This script allows the specification of commands in a 'natural' style; the script then generates macros to define the command.

URL: <https://ctan.org/pkg/newcommand>

MIRROR: <https://mirror.ctan.org/support/newcommand>

- *The perltext package. Define L<sup>A</sup>T<sub>E</sub>X macros in terms of Perl code.* 2019-09-23. Version 2.2. LICENSE: lppl

URL: <https://ctan.org/pkg/perltext>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/perltext>

- *The pkfix-helper package. Make PostScript files accessible to pkfix.* 2020-08-06. Version 1.6. LICENSE: lppl1.3c

URL: <https://ctan.org/pkg/pkfix-helper>

MIRROR: <https://mirror.ctan.org/support/pkfix-helper>



- Pakin, Scott. *The purifyeps package. Make EPS work with both L<sup>A</sup>T<sub>E</sub>X/dvips and pdfLaTeX*. 2016-06-24. Version 1.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/purifyeps>  
 MIRROR: <https://mirror.ctan.org/support/purifyeps>
- *The repltext package. Control how text gets copied from a PDF file*. 2020-09-25. Version 1.1. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/repltext>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/repltext>
  - *The savetrees package. Optimise the use of each page of a L<sup>A</sup>T<sub>E</sub>X document*. 2016-06-24. Version 2.4. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/savetrees>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/savetrees>
  - *The spverbatim package. Allow line breaks within \verb and verbatim output*. 2016-06-24. Version 1.0. LICENSE: lppl. LaTeX's macro treats its argument as an unbreakable unit of text. This can lead to poor typesetting, especially when the argument is long. The spverbatim package provides an macro that is analogous to and an environment that is analogous to with the difference being that and allow L<sup>A</sup>T<sub>E</sub>X to break lines at space characters.  
 URL: <https://ctan.org/pkg/spverbatim>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/spverbatim>
  - *The Comprehensive L<sup>A</sup>T<sub>E</sub>X Symbol List package. Symbols accessible from L<sup>A</sup>T<sub>E</sub>X*. 2021-05-06. Version 14.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/comprehensive>  
 MIRROR: <https://mirror.ctan.org/info/symbols/comprehensive>
  - *The threadcol package. Organize document columns into PDF "article thread"*. 2016-06-24. Version 1.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/threadcol>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/threadcol>
  - *The uiucborder package. Class for UIUC thesis red-bordered forms*. 2016-06-24. Version 1.00. LICENSE: lppl1.2  
 URL: <https://ctan.org/pkg/uiucborder>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/uiucborder>
  - *The visualFAQ package. A Visual L<sup>A</sup>T<sub>E</sub>X FAQ*. 2021-08-19. LICENSE: lppl. Having trouble finding the answer to a L<sup>A</sup>T<sub>E</sub>X question? The Visual L<sup>A</sup>T<sub>E</sub>X FAQ is an innovative new search interface that presents over a hundred typeset samples of frequently requested document formatting. Simply click on a hyperlinked piece of text and the Visual L<sup>A</sup>T<sub>E</sub>X FAQ will send your Web browser to the appropriate page in the .  
 URL: <https://ctan.org/pkg/visualfaq>  
 MIRROR: <https://mirror.ctan.org/info/visualfaq>
  - *The wheretotrim package. Assist in reducing L<sup>A</sup>T<sub>E</sub>X document page counts*. 2016-06-24. Version 1.0. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/wheretotrim>  
 MIRROR: <https://mirror.ctan.org/support/wheretotrim>
- Pal, Palash Baran. *The bangtex package. Writing Bangla and Assamese with L<sup>A</sup>T<sub>E</sub>X*. 2020-06-07. LICENSE: lppl  
 URL: <https://ctan.org/pkg/bangtex>  
 MIRROR: <https://mirror.ctan.org/language/bengali/bangtex>
- Pallas, Joseph. *The suthesis package. Typeset a Stanford University thesis*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/suthesis>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/suthesis.sty>
- Palm, Reimo. *The lshort-estonian package. Estonian introduction to L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. Version 5.05. LICENSE: gpl2. This is the Estonian translation of .  
 URL: <https://ctan.org/pkg/lshort-estonian>  
 MIRROR: <https://mirror.ctan.org/info/lshort/estonian>
- Palmer, Michael. *The mol2chemfig package. Convert chemical structures from MDL molfile format to chemfig source code*. 2023-01-17. Version 1.5. LICENSE: lppl. The package contains , the Lua web client version of mol2chemfig. It is used from the command line but calls the mol2chemfig server for every request, to convert chemical structures from MDL molfile format or SMILES format to T<sub>E</sub>X format for processing using .  
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 URL: <https://ctan.org/pkg/pixelart>  
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 URL: <https://ctan.org/pkg/spix>  
 MIRROR: <https://mirror.ctan.org/support/spix>
  - *The thalie package. Typeset drama plays.* 2022-12-11. Version 0.13a. LICENSE: lppl1.3. The package provides tools to typeset drama plays. It defines commands to introduce characters' lines, to render stage directions, to divide a play into acts and scenes and to build the automatically.  
 URL: <https://ctan.org/pkg/thalie>  
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 URL: <https://ctan.org/pkg/outlines>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/outlines>
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 URL: <https://ctan.org/pkg/bpchem>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bpchem>
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 URL: <https://ctan.org/pkg/delimtxt>  
 MIRROR: <https://mirror.ctan.org/macros/latex/exptl/delimtxt>
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- Pégourié-Gonnard, Manuel. *The luacode package. Helper for executing lua code from within T<sub>E</sub>X*. 2016-06-24. Version 1.2a. LICENSE: lpl1.3. Executing Lua code from within T<sub>E</sub>X with can sometimes be tricky: there is no easy way to use the percent character, counting backslashes may be hard, and Lua comments don't work the way you expect. The package provides the command and the () environments to help with these problems.  
 URL: <https://ctan.org/pkg/luacode>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/latex/luacode>
- *The lualatex-doc package. A guide to use of L<sup>A</sup>T<sub>E</sub>X with LuaT<sub>E</sub>X*. 2016-06-24. LICENSE: fdl  
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 MIRROR: <https://mirror.ctan.org/info/luatex/lualatex-doc>
  - *The pdf14 package. Restore PDF 1.4 to a T<sub>E</sub>X live 2010 format*. 2016-06-24. Version 0.1. LICENSE: lpl1.3. Starting with T<sub>E</sub>X Live 2010, the various formats, that directly generate PDF, default to generating PDF 1.5. This is generally a , but it can lead to compatibility issues with some older PDF viewers. This package changes the version of PDF generated with formats (based on pdfT<sub>E</sub>X or LuaT<sub>E</sub>X in PDF mode), back to 1.4 for documents that need to achieve maximal compatibility with old viewers.  
 URL: <https://ctan.org/pkg/pdf14>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pdf14>
  - *The show2e package. Variants of \show for L<sup>A</sup>T<sub>E</sub>X2<sub>ε</sub>*. 2016-06-24. Version 1.0. LICENSE: lpl. This small package aims at making debugging (especially in an interactive way) easier, by providing variants suited to L<sup>A</sup>T<sub>E</sub>X2<sub>ε</sub> commands (whether with optional arguments or robust) and environments. The variant commands also display the internal macros used by such commands, if any. The variant helps with macros with exotic names.  
 URL: <https://ctan.org/pkg/show2e>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/show2e>
  - *The ted package. A (primitive) token list editor*. 2016-06-24. Version 1.06. LICENSE: lpl  
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  - *The xargs package. Define commands with many optional arguments*. 2016-06-24. Version 1.1. LICENSE: lpl. The package provides extended versions of and related L<sup>A</sup>T<sub>E</sub>X commands, which allow easy and robust definition of macros with many optional arguments, using a clear and simple -style syntax.  
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 MIRROR: <https://mirror.ctan.org/macros/luatex/generic/luatexbase>
- Pégourié-Gonnard, Manuel and Christine Römer. *The lualatex-doc-de package. Guide to LuaL<sup>A</sup>T<sub>E</sub>X (German translation)*. 2016-06-24. Version 1.0. LICENSE: fdl. The document is a German translation of the . Coverage supports both new users and package developers. Apart from the introductory material, the document gathers information from several sources, and offers links to others.  
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  - *The statistics package. Compute and typeset statistics tables and graphics*. 2019-10-05. Version 2.2. LICENSE: gpl3+  
 URL: <https://ctan.org/pkg/statistics>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/statistics>
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 URL: <https://ctan.org/pkg/grid>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/grid>
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 URL: <https://ctan.org/pkg/babel-galician>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/galician>
- *The fenixpar package. One-shot changes to token registers such as \everypar*. 2016-06-24. Version 0.92. LICENSE: lppl  
 URL: <https://ctan.org/pkg/fenixpar>  
 MIRROR: <https://mirror.ctan.org/macros/generic/fenixpar>
  - *The glhyph package. Hyphenation patterns for Galician*. 2016-11-05. Version 2.4. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/glhyph>  
 MIRROR: <https://mirror.ctan.org/language/hyphenation/glhyph>
  - *The mkpattern package. A utility for making hyphenation patterns*. 2019-03-02. Version 1.2. LICENSE: lppl  
 URL: <https://ctan.org/pkg/mkpattern>  
 MIRROR: <https://mirror.ctan.org/language/hyphenation/utls/mkpattern>
- Rivera, Luis. *The aecc package. Almost European Concrete Roman virtual fonts*. 2020-04-11. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/aecc>  
 MIRROR: <https://mirror.ctan.org/obsolete/fonts/aecc>

- Rivera, Luis. *The babel-spanglish package. Simplified Spanish support for Babel*. 2020-04-11. Version 0.3. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/babel-spanglish>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/babel-contrib/spanglish>
- *The bgreek package. Using Beccari's fonts in betacode for classical Greek*. 2020-04-11. Version 0.3. LICENSE: lppl  
 URL: <https://ctan.org/pkg/bgreek>  
 MIRROR: <https://mirror.ctan.org/obsolete/language/greek/bgreek>
  - *The BLOpenType package. A basic LuaTeX OpenType handler*. 2023-01-03. Version 0.0.0. LICENSE: lppl1.3c,mit  
 URL: <https://ctan.org/pkg/blopendtype>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/generic/blopendtype>
  - *The ltxindex package. A L<sup>A</sup>T<sub>E</sub>X package to typeset indices with GNU's Texindex*. 2020-04-11. Version 0.1c. LICENSE: gpl  
 URL: <https://ctan.org/pkg/ltxindex>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/ltxindex>
  - *The pdftex-djgpp package. An msdos-djgpp binary of the pdfTeX engine*. 2019-10-05. LICENSE: gpl2+. This package provides a binary of the engine for the distribution.  
 URL: <https://ctan.org/pkg/pdftex-djgpp>  
 MIRROR: <https://mirror.ctan.org/systems/msdos/djgpp-contrib/pdftex-djgpp>
  - *The spanish-mx package. Typeset Spanish as in Mexico*. 2020-04-11. Version 1.1a. LICENSE: lppl  
 URL: <https://ctan.org/pkg/spanish-mx>  
 MIRROR: <https://mirror.ctan.org/obsolete/language/spanish/babel-contrib/spanish-mx>
  - *The texilikechaps package. Format chapters with a texi-like format*. 2016-06-24. Version 1.0a. LICENSE: lppl  
 URL: <https://ctan.org/pkg/texilikechaps>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/misc/texilikechaps.sty>
- Rivera, Luis and Winston Chang. *The latexcheat-esmx package. A L<sup>A</sup>T<sub>E</sub>X cheat sheet, in Spanish*. 2016-06-24. Version 2.00. LICENSE: lppl. This is a translation to Spanish (Castellano) of Winston Chang's (a reference sheet for writing scientific papers).  
 URL: <https://ctan.org/pkg/latexcheat-esmx>  
 MIRROR: <https://mirror.ctan.org/info/latexcheat/latexcheat-esmx>
- Rizzuto, Dan. *The neuron package. BibTeX style for the journal Neuron*. 2016-06-24. LICENSE: nosell. Generated by use of .  
 URL: <https://ctan.org/pkg/neuron>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/misc/neuron.bst>
- Robbers, Yuri. *The jtbnew package. BibTeX style for Journal of Theoretical Biology*. 2016-06-24. LICENSE: lppl. Developed using ; apparently intended to supersede .  
 URL: <https://ctan.org/pkg/jtbnew>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/misc/jtbnew.bst>
- Robert, Gilles. *The bbm package. "Blackboard-style" cm fonts*. 2016-06-24. LICENSE: other-free  
 URL: <https://ctan.org/pkg/bbm>  
 MIRROR: <https://mirror.ctan.org/fonts/cm/bbm>
- Robertson, Will. *The active-conf package. Class for typesetting ACTIVE conference papers*. 2016-06-24. Version 0.3a. LICENSE: lppl  
 URL: <https://ctan.org/pkg/active-conf>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/conferences/active-conf>
- *The addlines package. A user-friendly wrapper around \enlargethispage*. 2018-12-05. Version 0.3. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/addlines>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/addlines>
  - *The asyfig package. Commands for using Asymptote figures*. 2016-06-24. Version 0.1c. LICENSE: lppl. The package provides a means of reading figures from separate files, rather than within the document, as is standard in the package, which is provided as part of the Asymptote bundle. The way can prove cumbersome in a large document; the present package allows the user to process one picture at a time, in simple test documents, and then to migrate (with no fuss) to their use in the target document.  
 URL: <https://ctan.org/pkg/asyfig>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/asyfig>
  - *The auto-pst-pdf package. Wrapper for pst-pdf (with some psfrag features)*. 2020-10-08. Version 0.7. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/auto-pst-pdf>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/auto-pst-pdf>
  - *The DTX gallery package. A small collection of minimal DTX examples*. 2016-06-24. Version 1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/dtxgallery>  
 MIRROR: <https://mirror.ctan.org/info/dtxgallery>

- Robertson, Will. *The environ package. A new interface for environments in L<sup>A</sup>T<sub>E</sub>X*. 2019-09-28. Version 0.3. LICENSE: lppl  
 URL: <https://ctan.org/pkg/environ>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/environ>
- *The euxunicode package. Generate Unicode characters from accented glyphs*. 2016-10-08. Version 0.1g. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/euxunicode>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/euenc>
  - *The icsv package. Class for typesetting articles for the ICSV conference*. 2016-06-24. Version 0.2. LICENSE: lppl. This is an ad-hoc class for typesetting articles for the ICSV conference, based on the earlier by the same author.  
 URL: <https://ctan.org/pkg/icsv>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/conferences/icsv>
  - *The inversepath package. Calculate inverse file paths*. 2018-01-06. Version 0.2. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/inversepath>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/inversepath>
  - *The leading package. Define leading with a length*. 2018-01-06. Version 0.3. LICENSE: lppl. The package defines a command `\leading`, whose argument is a that specifies the nominal distance between consecutive baselines of typeset text. The command replaces the rather more difficult L<sup>A</sup>T<sub>E</sub>X command `\setleading`, where the leading is specified by reference to the font size.  
 URL: <https://ctan.org/pkg/leading>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/leading>
  - *The minibox package. A simple type of box for L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. Version 0.2a. LICENSE: lppl  
 URL: <https://ctan.org/pkg/minibox>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/minibox>
  - *The mlist package. Logical markup for lists*. 2016-06-24. Version 0.6a. LICENSE: lppl  
 URL: <https://ctan.org/pkg/mlist>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mlist>
  - *The pracjourn package. Typeset articles for PracTeX*. 2021-08-26. Version 0.4n. LICENSE: gpl  
 URL: <https://ctan.org/pkg/pracjourn>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pracjourn>
  - *The realscripts package. Access OpenType subscript and superscript glyphs*. 2020-09-26. Version 0.3d. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/realscripts>  
 MIRROR: <https://mirror.ctan.org/macros/unicodetex/latex/realscripts>
  - *The subdepth package. Unify maths subscript height*. 2016-06-24. Version 0.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/subdepth>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/subdepth>
  - *The trimspaces package. Trim spaces around an argument or within a macro*. 2016-06-24. Version 1.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/trimspaces>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/trimspaces>
  - *The vwcol package. Variable-width multiple text columns*. 2018-01-06. Version 0.2. LICENSE: lppl1.3. The package provides a crude environment `\vwcol` for typesetting multicolumn paragraph text of various column widths on a single page.  
 URL: <https://ctan.org/pkg/vwcol>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/vwcol>
  - *The XeTeXref package. Reference documentation of XeTeX*. 2023-02-20. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/xetexref>  
 MIRROR: <https://mirror.ctan.org/info/xetexref>
  - *The xltextra package. “Extras” for L<sup>A</sup>T<sub>E</sub>X users of XeTeX*. 2020-09-26. Version 0.7. LICENSE: lppl1.3c. This package was previously used to provide a number of features that were useful for typesetting documents with X<sub>Y</sub>L<sup>A</sup>T<sub>E</sub>X. Many of those features have now been incorporated into the package and other packages, but the package persists for backwards compatibility. Nowadays, loading will: load the `fontspec`, `fonttools`, and `fontspec` packages; redefine `\fontspec` so it works correctly; and define two extra commands: `\fontspecfont` and `\fontspecfontname`.  
 URL: <https://ctan.org/pkg/xltextra>  
 MIRROR: <https://mirror.ctan.org/macros/unicodetex/latex/xltextra>
- Robertson, Will and Kevin Godby. *The hardwrap package. Hard wrap text to a certain character length*. 2018-01-06. Version 0.2. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/hardwrap>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hardwrap>
- Robertson, Will and Johannes Große. *The ifplat form package. Conditionals to test which platform is being used*. 2017-12-07. Version 0.4a. LICENSE: lppl1.3c

- URL: <https://ctan.org/pkg/ifplatform>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ifplatform>
- Robertson, Will and Khaled Hosny. *The unicode-math package. Unicode mathematics support for XeTeX and LuaTeX*. 2021-08-26. Version 0.8q. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/unicode-math>  
MIRROR: <https://mirror.ctan.org/macros/unicodetex/latex/unicode-math>
- Robertson, Will and Zebb Prime. *The pstool package. Support for psfrag within pdfLaTeX*. 2018-01-20. Version 1.5e. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/pstool>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pstool>
- Robertson, Will, Élie Roux, and Khaled Hosny. *The EUenc package. Unicode font encoding definitions for XeTeX*. 2016-10-08. Version 0.1h. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/euenc>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/euenc>
- Robertson, Will and The L<sup>A</sup>T<sub>E</sub>X Project Team. *The fontspec package. Advanced font selection in Xe<sub>L</sub>AT<sub>E</sub>X and LuaLaTeX*. 2022-05-18. Version 2.8a. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/fontspec>  
MIRROR: <https://mirror.ctan.org/macros/unicodetex/latex/fontspec>
- Robertson, Will and Peter R. Wilson. *The abstract package. Control the typesetting of the abstract environment*. 2016-06-24. Version 1.2a. LICENSE: lppl  
URL: <https://ctan.org/pkg/abstract>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/abstract>
- *The anonchap package. Make chapters be typeset like sections*. 2016-06-24. Version 1.1a. LICENSE: lppl  
URL: <https://ctan.org/pkg/anonchap>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/anonchap>
  - *The appendix package. Extra control of appendices*. 2020-02-08. Version 1.2c. LICENSE: lppl1.3c. The appendix package provides various ways of formatting the titles of appendices. Also (sub)appendices environments are provided that can be used, for example, for per chapter/section appendices. The word ‘Appendix’ or similar can be prepended to the appendix number for article class documents. The word ‘Appendices’ or similar can be added to the table of contents before the appendices are listed. The word ‘Appendices’ or similar can be typeset as a -like heading (page) in the body. An environment is provided which can be used instead of the command.  
URL: <https://ctan.org/pkg/appendix>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/appendix>
  - *The bez123 package. Support for Bezier curves*. 2016-06-24. Version 1.1b. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/bez123>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bez123>
  - *The booklet package. Aids for printing simple booklets*. 2016-06-24. Version 0.7b. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/booklet>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/booklet>
  - *The ccaption package. Continuation headings and legends for floats*. 2016-06-24. Version 3.2c. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/ccaption>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ccaption>
  - *The changepage package. Margin adjustment and detection of odd/even pages*. 2016-06-24. Version 1.0c. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/changepage>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/changepage>
  - *The chngcntr package. Change the resetting of counters*. 2018-04-10. Version 1.1a. LICENSE: lppl. Defines commands (which sets up a counter to be reset when another is incremented) and (which unsets such a relationship).  
URL: <https://ctan.org/pkg/chngcntr>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/chngcntr>
  - *The chngpage package. Change the page layout in the middle of a document*. 2016-06-24. Version 1.2b. LICENSE: lppl1.3. The package provides broadly similar functionality to , with which it is distributed. It is, however, considered obsolete, and should not be used in new documents.  
URL: <https://ctan.org/pkg/chngpage>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/changepage>
  - *The combine package. Bundle individual documents into a single document*. 2016-06-24. Version 0.7a. LICENSE: lppl1.3. The combine class lets you bundle individual documents into a single document, such as when preparing a conference proceedings. The auxiliary combinat package puts the titles and authors from commands into the main document’s Table of Contents. The package

cooperates with the and packages.

URL: <https://ctan.org/pkg/combine>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/combine>

Robertson, Will and Peter R. Wilson. *The docmfp package. Document non-L<sup>A</sup>T<sub>E</sub>X code*. 2016-06-24. Version 1.2d. LICENSE: lppl. Extends the package to cater for documenting non-L<sup>A</sup>T<sub>E</sub>X code, such as Metafont or MetaPost, or other programming languages.

URL: <https://ctan.org/pkg/docmfp>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/docmfp>

— *The epigraph package. A package for typesetting epigraphs*. 2020-04-23. Version 1.5e. LICENSE: lppl1.3c

URL: <https://ctan.org/pkg/epigraph>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/epigraph>

— *The fonttable package. Print font tables from a L<sup>A</sup>T<sub>E</sub>X document*. 2017-07-14. Version 1.6c. LICENSE: lppl1.3c

URL: <https://ctan.org/pkg/fonttable>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fonttable>

— *The hanging package. Hanging paragraphs*. 2016-06-24. Version 1.2b. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/hanging>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hanging>

— *The hyphenat package. Disable/enable hyphenation*. 2016-06-24. Version 2.3c. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/hyphenat>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hyphenat>

— *The ifmtarg package. If-then-else command for processing potentially empty arguments*. 2018-04-16. Version 1.2b. LICENSE: lppl

URL: <https://ctan.org/pkg/ifmtarg>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ifmtarg>

— *The layouts package. Display various elements of a document's layout*. 2016-06-24. Version 2.6d. LICENSE: lppl1.3

URL: <https://ctan.org/pkg/layouts>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/layouts>

— *The makecmds package. The new \makecommand command always (re)defines a command*. 2016-06-24. LICENSE: lppl. The package provides a command, which is like except it always (re)defines a command. There is also and for environments.

URL: <https://ctan.org/pkg/makecmds>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/makecmds>

— *The midpage package. Environment for vertical centring*. 2016-06-24. Version 1.1a. LICENSE: lppl. The environment will centre text, if immediately preceded and followed by .

URL: <https://ctan.org/pkg/midpage>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/midpage>

— *The needspace package. Insert pagebreak if not enough space*. 2016-06-24. Version 1.3d. LICENSE: lppl

URL: <https://ctan.org/pkg/needspace>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/needspace>

— *The newfile package. User level management of L<sup>A</sup>T<sub>E</sub>X input and output*. 2016-06-24. Version 1.0c. LICENSE: lppl. Commands are defined to manage the limited pool of input and output handles provided by T<sub>E</sub>X. The so provided are mapped to various of the L<sup>A</sup>T<sub>E</sub>X input and output mechanisms. Some facilities of the package are also mapped.

URL: <https://ctan.org/pkg/newfile>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/newfile>

— *The nextpage package. Generalisations of the page advance commands*. 2016-07-17. Version 1.1a. LICENSE: lppl. Provides and variants that guarantee to end up on even/odd numbered pages; these 4 commands all have an optional argument whose content will be placed on any “empty” page generated.

URL: <https://ctan.org/pkg/nextpage>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/misc/nextpage.sty>

— *The pagenote package. Notes at end of document*. 2022-06-09. Version 1.1a. LICENSE: lppl1.3. The pagenote package provides tagged notes on a separate page (also known as ‘end notes’). Unless the class is used, the package requires the package.

URL: <https://ctan.org/pkg/pagenote>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pagenote>

— *The romannum package. Generate roman numerals instead of arabic digits*. 2016-06-24. Version 1.0b. LICENSE: lppl. The romannum package changes L<sup>A</sup>T<sub>E</sub>X generated numbers to be printed with roman numerals instead of arabic digits. It requires the package. Users of the fonts may find this package useful.

URL: <https://ctan.org/pkg/romannum>

MIRROR: <https://mirror.ctan.org/macros/latex/contrib/romannum>



- Robertson, Will and Peter R. Wilson. *The stdclsdv package. Provide sectioning information for package writers*. 2016-06-24. Version 1.1a. LICENSE: lppl  
 URL: <https://ctan.org/pkg/stdclsdv>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/stdclsdv>
- *The titling package. Control over the typesetting of the \maketitle command*. 2016-06-24. Version 2.1d. LICENSE: lppl. The titling package provides control over the typesetting of the command and commands, and makes the , and information permanently available. Multiple titles are allowed in a single document. New titling elements can be added and a titlepage title can be centered on a physical page.  
 URL: <https://ctan.org/pkg/titling>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/titling>
  - *The tocbibind package. Add bibliography/index/contents to Table of Contents*. 2016-06-24. Version 1.5k. LICENSE: lppl  
 URL: <https://ctan.org/pkg/tocbibind>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tocbibind>
  - *The tocloft package. Control table of contents, figures, etc.* 2020-01-10. Version 2.3j. LICENSE: lppl1.3c. Provides control over the typography of the Table of Contents, List of Figures and List of Tables, and the ability to create new ‘List of ...’. The ToC may be changed.  
 URL: <https://ctan.org/pkg/tocloft>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tocloft>
  - *The tocvsec2 package. Section numbering and table of contents control*. 2016-06-24. Version 1.3a. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/tocvsec2>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tocvsec2>
  - *The verse package. Aids for typesetting simple verse*. 2016-06-24. Version 2.4b. LICENSE: lppl  
 URL: <https://ctan.org/pkg/verse>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/verse>
  - *The vertbars package. Mark vertical rules in margin of text*. 2018-12-16. Version 1.0c. LICENSE: lppl1.3c. This package is an extension to , replacing that package’s line numbers with bars to the left or right of the text.  
 URL: <https://ctan.org/pkg/vertbars>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/vertbars>
  - *The xtab package. Break tables across pages*. 2016-06-24. Version 2.3f. LICENSE: lppl. Xtab is an extended and somewhat improved version of ; its environment provides tables that break across pages.  
 URL: <https://ctan.org/pkg/xtab>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xtab>
- Robertson, Will, Peter R. Wilson, and Harald Harders. *The printlen package. Print lengths using specified units*. 2019-03-12. Version 1.1a. LICENSE: lppl. prints the value of a L<sup>A</sup>T<sub>E</sub>X length in the units specified by (‘unit’ may be any T<sub>E</sub>X length unit except for scaled point, viz., any of , , , , , or ). When the unit is , the printed length value will include any stretch or shrink; otherwise these are not printed. The ‘unit’ argument may also be , in which case length values will be printed in point units but without any stretch or shrink values.  
 URL: <https://ctan.org/pkg/printlen>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/printlen>
- Robson, Adrian P. *The backnaur package. Typeset Backus Naur Form definitions*. 2020-01-11. Version 3.1. LICENSE: lppl1.3c  
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-anonymous>
- *The biblatex-bookinarticle package. Manage book edited in article*. 2017-04-18. Version 1.3.1a. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/biblatex-bookinarticle>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-bookinarticle>
  - *The biblatex-bookinother package. Manage book edited in other entry type*. 2020-03-02. Version 2.3.3. LICENSE: lppl1.3. This package provides new BibL<sup>A</sup>T<sub>E</sub>X entry types and fields for book edited in other types, like for instance . It offers more types than the older package which it superseeds.

- URL: <https://ctan.org/pkg/biblatex-bookinother>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-bookinother>
- Rouquette, Maïeul. *The biblatex-claves package. A tool to manage claves of old literature with BibLaTeX*. 2017-11-19. Version 1.2.1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/biblatex-claves>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-claves>
- *The biblatex-manuscripts-philology package. Manage classical manuscripts with BibLaTeX*. 2020-01-07. Version 2.1.2. LICENSE: lppl1.3. The package adds a new entry type: to manage manuscript in classical philology, for example to prepare a critical edition.  
URL: <https://ctan.org/pkg/biblatex-manuscripts-philology>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-manuscripts-philology>
  - *The biblatex-morenames package. New names for standard BibLaTeX entry type*. 2017-04-18. Version 1.3.1. LICENSE: lppl1.3. This package adds new fields of “name” type to the standard entry types of BibLaTeX. For example:  
URL: <https://ctan.org/pkg/biblatex-morenames>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-morenames>
  - *The biblatex-multiple-dm package. Load multiple datamodels in BibLaTeX*. 2016-06-24. Version 1.0.1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/biblatex-multiple-dm>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-multiple-dm>
  - *The biblatex-opcit-booktitle package. Use op. cit. for the booktitle of a subentry*. 2018-10-24. Version 1.9.0. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/biblatex-opcit-booktitle>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-opcit-booktitle>
  - *The biblatex-realauthor package. Indicate the real author of a work*. 2017-11-20. Version 2.7.1a. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/biblatex-realauthor>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-realauthor>
  - *The biblatex-shortfields package. Use short forms of fields with BibLaTeX*. 2017-11-19. Version 1.0.1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/biblatex-shortfields>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-shortfields>
  - *The biblatex-source-division package. References by “division” in classical sources*. 2017-09-21. Version 2.4.2. LICENSE: lppl1.3. The package enables the user to make reference to “division marks” (such as , , ), in the document being referenced, in addition to the page-based references that BibTeX-based citations have always had. The citation is made in the same way as the L<sup>A</sup>T<sub>E</sub>X standard, but what’s inside the square brackets may include the “division” specification, as in  
URL: <https://ctan.org/pkg/biblatex-source-division>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-source-division>
  - *The biblatex-subseries package. Manages subseries with BibLaTeX*. 2017-04-18. Version 1.2.0. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/biblatex-subseries>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-subseries>
  - *The biblatex-true-citepages-omit package. Correction of some limitation of the citepages=omit option of BibLaTeX styles*. 2017-06-20. Version 2.0.0. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/biblatex-true-citepages-omit>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-true-citepages-omit>
  - *The eledform package. Define textual variants*. 2017-04-18. Version 1.1a. LICENSE: lppl1.3. The package provides commands to formalize textual variants in critical editions typeset using .  
URL: <https://ctan.org/pkg/eledform>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/eledform>
  - *The eledmac package. Typeset scholarly editions*. 2017-09-25. Version 1.24.12. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/eledmac>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/eledmac>
  - *The eledpar package. Typeset scholarly editions in parallel texts*. 2016-06-24. Version 1.17.1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/eledpar>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/eledpar>
  - *The handout package. Create handout for auditors of a talk*. 2017-04-21. Version 1.6.0. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/handout>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/handout>
  - *The hook-pre-commit-pkg package. Pre-commit git hook for L<sup>A</sup>T<sub>E</sub>X package developpers*. 2017-04-18. Version 1.1.2. LICENSE: gpl3  
URL: <https://ctan.org/pkg/hook-pre-commit-pkg>  
MIRROR: <https://mirror.ctan.org/support/hook-pre-commit-pkg>

- *The indextools package. Producing multiple indices.* 2016-06-24. Version 1.5.1. LICENSE: lpl1.3  
 URL: <https://ctan.org/pkg/indextools>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/indextools>
- Rouquette, Maïeul. *The latex-sciences-humaines package. (Xe)L<sup>A</sup>T<sub>E</sub>X Appliqué aux sciences humaines.* 2016-06-24. LICENSE: nosource  
 URL: <https://ctan.org/pkg/latex-sciences-humaines>  
 MIRROR: <https://mirror.ctan.org/info/latex-sciences-humaines.pdf>
- *The reledmac package. Typeset scholarly editions.* 2022-02-04. Version 2.39.1. LICENSE: lpl1.3  
 URL: <https://ctan.org/pkg/reledmac>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/reledmac>
- *The reledpar package. Typeset scholarly editions in parallel texts.* 2022-04-22. Version 2.25.3. LICENSE: lpl1.3  
 URL: <https://ctan.org/pkg/reledpar>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/reledmac>
- *The tlg2latex package. Prepare L<sup>A</sup>T<sub>E</sub>X from the Thesaurus Linguae Graecae.* 2016-06-24. Version 2.6.0. LICENSE: gpl3  
 URL: <https://ctan.org/pkg/tlg2latex>  
 MIRROR: <https://mirror.ctan.org/support/tlg2latex>
- Rouquette, Maïeul and Joël Gombin. *The facture package. Generate an invoice.* 2017-04-18. Version 1.2.2. LICENSE: cc-by-sa-2  
 URL: <https://ctan.org/pkg/facture>  
 MIRROR: <https://mirror.ctan.org/macros/xetex/latex/facture>
- Rouquette, Maïeul and Raphaël Pinson. *The bibleref-french package. French translations for bibleref.* 2019-12-14. Version 2.3.3. LICENSE: lpl1.3. The package provides translations and alternative typesetting conventions for use of in French.  
 URL: <https://ctan.org/pkg/bibleref-french>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bibleref-french>
- Rourke, Colin. *The pinlabel package. A T<sub>E</sub>X labelling package.* 2016-06-24. Version 1.2. LICENSE: lpl  
 URL: <https://ctan.org/pkg/pinlabel>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pinlabel>
- *The rlepsf package. Rewrite labels in EPS graphics.* 2016-06-24. LICENSE: lpl  
 URL: <https://ctan.org/pkg/rlepsf>  
 MIRROR: <https://mirror.ctan.org/macros/generic/rlepsf>
- Rousseaux, Emmanuel. *The gsemthesis package. Geneva School of Economics and Management PhD thesis format.* 2020-09-01. Version 0.9.4. LICENSE: lpl1.3  
 URL: <https://ctan.org/pkg/gsemthesis>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gsemthesis>
- Roux, Élie, Philipp Gesang, and The L<sup>A</sup>T<sub>E</sub>X Project Team. *The luaibs package. Additional Lua functions for LuaT<sub>E</sub>X macro programmers.* 2022-10-04. Version 2.75. LICENSE: gpl2  
 URL: <https://ctan.org/pkg/lualibs>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/generic/lualibs>
- Roux, Élie, Khaled Hosny, Manuel Pégourié-Gonnard, Will Robertson, Philipp Gesang, The L<sup>A</sup>T<sub>E</sub>X Project Team, Ulrike Fischer, and Marcel Krüger. *The luaotfload package. OpenType ‘loader’ for Plain T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X.* 2022-10-03. Version 3.23. LICENSE: gpl2  
 URL: <https://ctan.org/pkg/luaotfload>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/generic/luaotfload>
- Roux, Élie and Manuel Pégourié-Gonnard. *The luainputenc package. Replacing inputenc for use in LuaT<sub>E</sub>X.* 2017-04-18. Version 0.973. LICENSE: pd  
 URL: <https://ctan.org/pkg/luainputenc>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/latex/luainputenc>
- *The luatextra package. Additional macros for Plain T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X in LuaT<sub>E</sub>X.* 2017-04-18. Version 1.0.1. LICENSE: pd  
 URL: <https://ctan.org/pkg/luatextra>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/latex/luatextra>
- Roux, Élie, Henry So, and Fr. Samuel Springuel. *The gregoriotex package. Engraving Gregorian Chant scores.* 2021-03-13. Version 6.0.0. LICENSE: gpl3  
 URL: <https://ctan.org/pkg/gregoriotex>  
 MIRROR: <https://mirror.ctan.org/support/gregoriotex>
- Rovner, Marc David. *The bit2spr package. Convert bitmaps to “sprites”.* 2016-06-24. LICENSE: noinfo. This simple program converts bitmaps in X-bitmap format to the format used by the package.  
 URL: <https://ctan.org/pkg/bit2spr>  
 MIRROR: <https://mirror.ctan.org/graphics/bit2spr>

- Rowlett, Peter. *The customdice package. Simple commands for drawing customisable dice.* 2022-08-12. Version 1.1. LICENSE: cc-by-sa-4. The package for L<sup>A</sup>T<sub>E</sub>X, LuaL<sup>A</sup>T<sub>E</sub>X and XeT<sub>E</sub>X that provides functionality for drawing dice. The aim is to provide highly-customisable but simple-to-use commands, allowing:  
URL: <https://ctan.org/pkg/customdice>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/customdice>
- Rowlett, Peter. *The nimsticks package. Draws sticks for games of multi-pile Nim.* 2022-08-14. Version 2.0.1. LICENSE: mit. This L<sup>A</sup>T<sub>E</sub>X package provides commands to draw a single nim stick and which represents games of multi-pile Nim. Nim sticks are drawn with a little random wobble so they look ‘thrown together’ and not too regular. The package also provides options to customise the size and colour of the sticks, and flexibility to draw heaps of different objects.  
URL: <https://ctan.org/pkg/nimsticks>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/nimsticks>
- Rowlett, Peter and Chris Sangwin. *The hexboard package. For drawing Hex boards and games.* 2022-02-23. Version 1.0. LICENSE: cc-by-sa-4  
URL: <https://ctan.org/pkg/hexboard>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/hexboard>
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URL: <https://ctan.org/pkg/fnpara>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fnpara>
- Roy, Y. *The frenchpunct package. Implement French-style spacing at punctuation.* 2016-06-24. LICENSE: noinfo. The package represents an early instance of the (now common) active-character technique of inserting space in front of the punctuation characters.  
URL: <https://ctan.org/pkg/frenchpunct>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/frenchpunct.sty>
- Royal Astronomical Society, Nadine Thompson, and Kim Clube. *The mnras package. Monthly Notices of the Royal Astronomical Society.* 2020-07-02. Version 3.1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/mnras>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mnras>
- Rozhenko, Alexander I. *The afterpackage package. Add commands to package after it’s loaded.* 2018-07-03. Version 1.1. LICENSE: lppl  
URL: <https://ctan.org/pkg/afterpackage>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
- *The dcounter package. Support dynamic counters.* 2018-07-03. Version 1.2. LICENSE: lppl  
URL: <https://ctan.org/pkg/dcounter>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The desclist package. Extended “description” lists.* 2018-07-03. Version 1.1. LICENSE: lppl  
URL: <https://ctan.org/pkg/desclist>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The extdash package. A range of dash commands for compound words.* 2018-07-03. Version 1.3. LICENSE: lppl  
URL: <https://ctan.org/pkg/extdash>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The manyfoot package. Adds footnote levels to standard L<sup>A</sup>T<sub>E</sub>X’s footnote mechanism.* 2019-08-03. Version 1.11. LICENSE: lppl  
URL: <https://ctan.org/pkg/manyfoot>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The mboxfill package. Fill free space with a pattern.* 2018-07-03. Version 1.0. LICENSE: lppl  
URL: <https://ctan.org/pkg/mboxfill>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The NCC-LaTeX package. An extended general-purpose class.* 2016-06-24. Version 1.5. LICENSE: lppl. The ncc class provides a framework for a common class to replace the standard article, book and report classes, and providing a “preprint” class. The class’s extensions are provided in a number of small packages, some of which may also be used with the standard classes. The ncclatex package also loads many of the packages of, and requires the latest version of the bundle.  
URL: <https://ctan.org/pkg/ncclatex>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncclatex>
  - *The nccbbb package. “Poor man’s” blackboard bold.* 2018-07-03. Version 1.1. LICENSE: lppl  
URL: <https://ctan.org/pkg/nccbbb>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>



- Rozhenko, Alexander I. *The nccboxes package. Elaborate box commands*. 2018-07-03. Version 1.2. LICENSE: lppl  
 URL: <https://ctan.org/pkg/nccboxes>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
- *The ncccomma package. Use comma as decimal separator in mathematics*. 2018-07-03. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/ncccomma>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The ncccropbox package. Crop-marked boxes*. 2018-07-03. Version 1.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/ncccropbox>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The ncccropmark package. Draw cropmarks on the output page*. 2018-07-03. Version 1.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/ncccropmark>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The nccfancyhdr package. Extensive control of page headers and footers*. 2018-07-03. Version 1.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/nccfancyhdr>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The nccfloats package. Extensions of the L<sup>A</sup>T<sub>E</sub>X float mechanisms*. 2018-07-03. Version 1.2. LICENSE: lppl  
 URL: <https://ctan.org/pkg/nccfloats>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The nccfoots package. User-generated footnote marks*. 2018-07-03. Version 1.2. LICENSE: lppl  
 URL: <https://ctan.org/pkg/nccfoots>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The nccmath package. Extended mathematics capabilities*. 2018-07-03. Version 1.2. LICENSE: lppl  
 URL: <https://ctan.org/pkg/nccmath>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The nccparskip package. Modify skips between paragraphs*. 2018-07-03. Version 1.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/nccparskip>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The nccpic package. Extend the graphicx package for more formats*. 2018-09-15. Version 1.2. LICENSE: lppl  
 URL: <https://ctan.org/pkg/nccpic>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The nccrules package. Compose dashed lines*. 2018-07-03. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/nccrules>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The nccsect package. A re-implementation of sections, captions and tocs*. 2018-07-03. Version 1.5. LICENSE: lppl  
 URL: <https://ctan.org/pkg/nccsect>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The nccstretch package. Insert a stretch between each token of a string*. 2018-07-03. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/nccstretch>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The nccthm package. Another theorem environment*. 2018-07-03. Version 1.1. LICENSE: lppl. This package's theorems have two distinguishing characteristics. First, theorem numbering uses dynamic counters (specified by using the package, which gives the user considerable flexibility in counting styles. Second, the environment isn't defined as a trivlist (as L<sup>A</sup>T<sub>E</sub>X theorems are), which gives extra flexibility in using the environment. In addition, parameter definition is explicit and well-organised, and there is a QED-symbol-placing command.  
 URL: <https://ctan.org/pkg/nccthm>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The ncctools package. A collection of general packages for L<sup>A</sup>T<sub>E</sub>X*. 2019-08-03. Version 3.5.3. LICENSE: lppl. The NCCtools bundle contains many packages for general use under L<sup>A</sup>T<sub>E</sub>X; many are also used by . The bundle includes tools for:  
 URL: <https://ctan.org/pkg/ncctools>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The textarea package. Control the text area dynamically*. 2018-07-03. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/textarea>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
  - *The tocenter package. Centring (and other) Page Layout*. 2018-07-03. Version 1.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/tocenter>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>



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 URL: <https://ctan.org/pkg/topsection>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
- *The watermark package. Draw “watermarks” on the output page*. 2018-07-03. Version 1.1. LICENSE: lpl  
 URL: <https://ctan.org/pkg/watermark>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ncctools>
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 URL: <https://ctan.org/pkg/decsci>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/misc/decsci.bst>
- Ruckert, Martin. *The hitex package. A T<sub>E</sub>X extension writing HINT output for on-screen reading*. 2022-06-19. LICENSE: x11  
 URL: <https://ctan.org/pkg/hitex>
- *The web2w package. Converting T<sub>E</sub>X from WEB to cweb*. 2019-06-21. Version 0.4. LICENSE: gpl3+  
 URL: <https://ctan.org/pkg/web2w>  
 MIRROR: <https://mirror.ctan.org/web/web2w>
- Ruedas, Thomas. *The xtrcode package. Extract contents of L<sup>A</sup>T<sub>E</sub>X environments*. 2016-06-18. Version 0.02. LICENSE: gpl  
 URL: <https://ctan.org/pkg/xtrcode>  
 MIRROR: <https://mirror.ctan.org/support/xtrcode>
- Ruedas, Thomas and Keiran Harcombe. *The texdoctk package. Easy access to package documentation*. 2021-06-10. Version 0.6.0.  
 LICENSE: gpl  
 URL: <https://ctan.org/pkg/texdoctk>
- Ruiz, Alejandro Garces. *The bloques package. Generate control diagrams*. 2016-06-24. Version 1.0. LICENSE: lpl1.3. The package uses to provide commands for generating control diagrams (specially in power electronics).  
 URL: <https://ctan.org/pkg/bloques>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/bloques>
- Ruland, Kevin. *The prettyref package. Make label references “self-identify”*. 2018-01-06. Version 3.0. LICENSE: pd. Prettyref provides a command , which specifies the way in which a reference is typeset, according to a label “identification”. The identification is set in the command, by using prefixed label names; so instead of , one uses , and prettyref interprets the “” part. The package is compatible with and with other packages.  
 URL: <https://ctan.org/pkg/prettyref>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/prettyref>
- Rumpf, Adam. *The apalike-ejor package. A BibTeX style file for the European Journal of Operational Research*. 2021-06-21. Version 1.2.0. LICENSE: lpl1.3c. This package contains a BibTeX style file, , made to follow the European Journal of Operational Research reference style guidelines. It is a fork of version 0.99a, by Oren Patashnik, and consists of minor modifications of standard APA style. Among other changes it adds support for hyperlinked URL and DOI fields (which requires ).  
 URL: <https://ctan.org/pkg/apalike-ejor>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/apalike-ejor>
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URL: <https://ctan.org/pkg/metainfo>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/sauerj>
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URL: <https://ctan.org/pkg/optparams>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/sauerj>
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 URL: <https://ctan.org/pkg/aichej>  
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 URL: <https://ctan.org/pkg/loval>  
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 URL: <https://ctan.org/pkg/oval>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/oval>
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 URL: <https://ctan.org/pkg/window>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/window>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/adjustbox>
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URL: <https://ctan.org/pkg/collectbox>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/collectbox>
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URL: <https://ctan.org/pkg/ctanupload>  
MIRROR: <https://mirror.ctan.org/support/ctanupload>
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URL: <https://ctan.org/pkg/currfile>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/currfile>
  - *The easyfig package. Simplifying the use of common figures.* 2022-10-26. Version 1.2a. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/easyfig>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/easyfig>
  - *The filehook package. Hooks for input files.* 2022-10-26. Version 0.8b. LICENSE: lppl1.3c. The package provides several file hooks ( , ... ) for files read by , and . General hooks for all such files (e.g. all d ones) and file specific hooks only used for named files are provided; two hooks are provided for the end of d files — one before, and one after the final .  
URL: <https://ctan.org/pkg/filehook>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/filehook>
  - *The filemod package. Provide file modification times, and compare them.* 2022-10-26. Version 1.2. LICENSE: lppl1.3. The package provides macros to read and compare the modification dates of files. The files may be files, images or other files (as long as they can be found by L<sup>A</sup>T<sub>E</sub>X). It uses the primitive of pdfL<sup>A</sup>T<sub>E</sub>X to find the file modification date as PDF date string, parses the string and returns the value to the user. The package will also work for output with recent versions of the L<sup>A</sup>T<sub>E</sub>X compiler which uses pdfL<sup>A</sup>T<sub>E</sub>X in mode. The functionality is provided by purely expandable macros or by faster but non-expandable ones.  
URL: <https://ctan.org/pkg/filemod>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/filemod>
  - *The ginc1tex package. Include T<sub>E</sub>X files as graphics (.tex support for \includegraphics).* 2022-10-26. Version 0.3. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/ginc1tex>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ginc1tex>
  - *The gobble package. More gobble macros for PlainT<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X.* 2022-10-26. Version 0.2. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/gobble>  
MIRROR: <https://mirror.ctan.org/macros/generic/gobble>
  - *The ifoddpage package. Determine if the current page is odd or even.* 2022-10-26. Version 1.2. LICENSE: lppl1.3. The package provides an conditional to determine if the current page is odd or even. The macro must be used direct before to check the page number using a label. Two compiler runs are therefore required to achieve correct results. In addition, the conditional is provided which is also true in oneside mode where all pages use the odd page layout.  
URL: <https://ctan.org/pkg/ifoddpage>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ifoddpage>
  - *The lstaddons package. Add-on packages for listings: autogobble and line background.* 2022-10-26. Version 0.1. LICENSE: lppl1.3. The bundle contains a small collection of add-on packages for the package. Current packages are:  
URL: <https://ctan.org/pkg/lstaddons>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/lstaddons>
  - *The macros2e package. A list of internal L<sup>A</sup>T<sub>E</sub>X2e macros.* 2022-10-26. Version 0.4a. LICENSE: lppl1.3c. This document lists the internal macros defined by the L<sup>A</sup>T<sub>E</sub>X2e base files which can also be useful to package authors. The macros are hyper-linked to their description in . For this to work both PDFs must be inside the same directory. This document is not yet complete in content and format and may miss some macros.  
URL: <https://ctan.org/pkg/macros2e>  
MIRROR: <https://mirror.ctan.org/info/macros2e>
  - *The multienv package. Multiple environments using a “key=value” syntax.* 2022-10-26. Version 1.0. LICENSE: lppl1.3. The package provides a environment which permits easy addition of multiple environments using a syntax. Macros to define environments using this syntax are also provided.  
URL: <https://ctan.org/pkg/multienv>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/multienv>
  - *The mwe package. Packages and image files for MWEs.* 2022-10-26. Version 0.5. LICENSE: lppl1.3. The bundle provides several files useful when creating a minimal working example (MWE). The package itself loads a small set of packages often used when creating MWEs. In addition, a range of images are provided, which will be installed in the tree, so that they may be used in any



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 URL: <https://ctan.org/pkg/mwe>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mwe>
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 URL: <https://ctan.org/pkg/newverbs>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/newverbs>
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 URL: <https://ctan.org/pkg/rcs-multi>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/rcs-multi>
  - *The realboxes package. Variants of common box-commands that read their content as real box and not as macro argument.* 2022-10-26. Version 0.2. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/realboxes>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/realboxes>
  - *The standalone package. Compile TeX pictures stand-alone or as part of a document.* 2022-10-11. Version 1.3b. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/standalone>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/standalone>
  - *The storebox package. Storing information for reuse.* 2022-10-26. Version 1.3a. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/storebox>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/storebox>
  - *The sty2dtx package. Create a .dtx file from a .sty file.* 2022-10-26. Version 2.4. LICENSE: gpl3  
 URL: <https://ctan.org/pkg/sty2dtx>  
 MIRROR: <https://mirror.ctan.org/support/sty2dtx>
  - *The svn-multi package. Subversion keywords in multi-file L<sup>A</sup>T<sub>E</sub>X documents.* 2022-10-26. Version 2.4d. LICENSE: lppl  
 URL: <https://ctan.org/pkg/svn-multi>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/svn-multi>
  - *The svn-prov package. Subversion variants of \Provides... macros.* 2022-10-26. Version 3.1862. LICENSE: lppl. The package introduces Subversion variants of the standard L<sup>A</sup>T<sub>E</sub>X macros , and where the file name and date is extracted from Subversion Id keywords. The file name may also be given explicitly as an optional argument.  
 URL: <https://ctan.org/pkg/svn-prov>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/svn-prov>
  - *The texdef package. Display the definitions of TeX commands.* 2022-10-26. Version 1.9. LICENSE: gpl3  
 URL: <https://ctan.org/pkg/texdef>  
 MIRROR: <https://mirror.ctan.org/support/texdef>
  - *The tikz-timing package. Easy generation of timing diagrams as TikZ pictures.* 2022-10-26. Version 0.7f. LICENSE: lppl. This package provides macros and an environment to generate timing diagrams (digital waveforms) without much effort. The package is used to produce the graphics. The diagrams may be inserted into text (paragraphs, , etc.) and into tikzpictures. A tabular-like environment is provided to produce larger timing diagrams.  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/combinedgraphics>
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 URL: <https://ctan.org/pkg/latex-git-log>  
 MIRROR: <https://mirror.ctan.org/support/latex-git-log>
  - *The romanbarpagenumber package. Typesetting roman page numbers*. 2017-04-18. Version 1.0. LICENSE: lppl1.3. The package allows to typeset roman numbers with bars. This package allows you to use those roman numbers as page number.  
 URL: <https://ctan.org/pkg/romanbarpagenumber>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/romanbarpagenumber>
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 URL: <https://ctan.org/pkg/dotarrow>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/dotarrow>
- Schneider, Thomas. *The cell package. Bibliography style for Cell*. 2016-06-24. LICENSE: pd. This is an “apa-like” style (cf. in the distribution), developed from the same author’s style. A supporting L<sup>A</sup>T<sub>E</sub>X package is also provided.

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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cell>
- Schneider, Thomas. *The jbact package. BibTeX style for biology journals*. 2019-11-12. Version 1.30. LICENSE: other-free  
URL: <https://ctan.org/pkg/jbact>  
MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/misc/jbact.bst>
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URL: <https://ctan.org/pkg/jmb>  
MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/jmb>
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MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/misc/nar.bst>
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URL: <https://ctan.org/pkg/fchart>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/fchart>
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URL: <https://ctan.org/pkg/histogr>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/histogr>
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URL: <https://ctan.org/pkg/underlin>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/underlin>
- Schöpf, Rainer and The L<sup>A</sup>T<sub>E</sub>X Project Team. *The verbatim package. Reimplementation of and extensions to L<sup>A</sup>T<sub>E</sub>X verbatim*. 2021-06-01. Version 1.5u. LICENSE: lppl1.3c  
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MIRROR: <https://mirror.ctan.org/macros/latex/required/tools>
- Schreiber, Kai. *The BiBLE package. A BibTeX library editor*. 2016-06-24. Version 0.99. LICENSE: other-free  
URL: <https://ctan.org/pkg/bible>  
MIRROR: <https://mirror.ctan.org/biblio/bibtex/utis/bible>
- Schrell, Andreas. *The kalender-209 package. Produce page-per-day calendars*. 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/kalender-209>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/kalender.tex>
- *The pictexwd package. A patched version of PicTeX using fewer registers*. 2016-06-24. Version 1.1. LICENSE: noinfo  
URL: <https://ctan.org/pkg/pictexwd>
  - *The wochtag package. Generate the German weekday name for a date*. 2016-06-24. Version 1.0. LICENSE: noinfo. Defines a macro that produces a day name, in German.  
URL: <https://ctan.org/pkg/wochtag>  
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  - *The yinit-as package. Additions to Yannix Haralambous' Old German decorative initials*. 2019-02-01. LICENSE: noinfo. This package contains a modified driver file, , as well as a L<sup>A</sup>T<sub>E</sub>X file .  
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MIRROR: <https://mirror.ctan.org/macros/generic/umrand>
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MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/biblist>
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 URL: <https://ctan.org/pkg/components>  
 MIRROR: <https://mirror.ctan.org/info/components-of-TeX>
- *The cweb-latex package. A L<sup>A</sup>T<sub>E</sub>X version of CWEB*. 2019-11-30. LICENSE: gpl. This bundle allows marking-up of code in L<sup>A</sup>T<sub>E</sub>X. The distribution includes the “Counting Words” program distributed with CWEB, edited to run with L<sup>A</sup>T<sub>E</sub>X.  
 URL: <https://ctan.org/pkg/cweb-latex>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cweb>
  - *The example package. Typeset examples for T<sub>E</sub>X courses*. 2019-06-21. LICENSE: gpl. The package makes it easier to produce examples for T<sub>E</sub>X course. It provides an environment, which typesets its contents on the left of the page, and prints it verbatim on the right.  
 URL: <https://ctan.org/pkg/example>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/example.sty>
  - *The footnpag package. Per-page numbering of footnotes*. 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/footnpag>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/footnpag>
  - *The genfam package. Run Metafont to produce the bitmap fonts*. 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/genfam>  
 MIRROR: <https://mirror.ctan.org/support/genfam>
  - *The idverb package. Inline verbatim identifiers*. 2016-06-24. Version 1.1. LICENSE: gpl. Typeset identifiers (and other short things) verbatim, using the notation. This package is part of the bundle.  
 URL: <https://ctan.org/pkg/idverb>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/js-misc>
  - *The js-misc package. Miscellaneous macros from Joachim Schrod*. 2016-07-17. LICENSE: pd  
 URL: <https://ctan.org/pkg/js-misc>  
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 URL: <https://ctan.org/pkg/literate>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/literate>
  - *The makeprog package. A literate system for T<sub>E</sub>X programming*. 2016-06-24. Version 1.0.1. LICENSE: gpl  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ms>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/everyshi>
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 URL: <https://ctan.org/pkg/ms>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ms>
  - *The multitoc package. Set table of contents in multiple columns*. 2020-11-24. Version 2.01. LICENSE: lppl  
 URL: <https://ctan.org/pkg/multitoc>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ms>
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 URL: <https://ctan.org/pkg/prelim2e>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/prelim2e>
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 URL: <https://ctan.org/pkg/ragged2e>  
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MIRROR: <https://mirror.ctan.org/macros/context/contrib/context-algorithmic>
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URL: <https://ctan.org/pkg/context-animation>  
MIRROR: <https://mirror.ctan.org/macros/context/contrib/context-animation>
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URL: <https://ctan.org/pkg/context-annotation>  
MIRROR: <https://mirror.ctan.org/macros/context/contrib/context-annotation>
  - *The context-fancybreak package. Overfull pages with ConTeXt*. 2018-08-11. LICENSE: gpl  
URL: <https://ctan.org/pkg/context-fancybreak>  
MIRROR: <https://mirror.ctan.org/macros/context/contrib/context-fancybreak>
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URL: <https://ctan.org/pkg/context-fixme>  
MIRROR: <https://mirror.ctan.org/obsolete/macros/context/contrib/context-fixme>
  - *The context-fullpage package. Overfull pages with ConTeXt*. 2018-08-11. LICENSE: gpl. The (ConTeXt) module copies the functionality of the , and adds a styling parameter, given in the command  
URL: <https://ctan.org/pkg/context-fullpage>  
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URL: <https://ctan.org/pkg/context-ruby>  
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MIRROR: <https://mirror.ctan.org/macros/context/contrib/context-simplefonts>
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URL: <https://ctan.org/pkg/context-title>  
MIRROR: <https://mirror.ctan.org/macros/context/contrib/context-title>
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MIRROR: <https://mirror.ctan.org/language/tibetan/original>
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URL: <https://ctan.org/pkg/one2many>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/12many>
- *The nag package. Detecting and warning about obsolete L<sup>A</sup>T<sub>E</sub>X commands*. 2016-06-24. Version 0.7. LICENSE: lppl. Old habits die hard. All the same, there are commands, classes and packages which are outdated and superseded. The nag package provides routines to warn the user about the use of such obsolete things. As an example, we provide an extension that detects many of the “sins” described in .  
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 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/inlinebib>
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 MIRROR: <https://mirror.ctan.org/macros/generic/misc/arabic.tex>
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URL: <https://ctan.org/pkg/alpha-persian>  
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MIRROR: <https://mirror.ctan.org/fonts/algolrevived>
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URL: <https://ctan.org/pkg/baskervaldx>  
MIRROR: <https://mirror.ctan.org/fonts/baskervaldx>
  - *The baskervillef package. Fry's Baskerville look-alike, with math support*. 2020-06-07. Version 1.051. LICENSE: ofl,lppl1.3. BaskervilleF is a fork from the (Roman, Italic, Bold only) released under the OFL by Paolo Impallari and Rodrigo Fuenzalida. Their fonts are optimized for web usage, while BaskervilleF is optimized for traditional T<sub>E</sub>X usage, normally destined for production of pdf files. A bold italic style was added and mathematical support is offered as an option to .  
URL: <https://ctan.org/pkg/baskervillef>  
MIRROR: <https://mirror.ctan.org/fonts/baskervillef>
  - *The bboldx package. Extension of the bbold package with a Blackboard Bold alphabet*. 2022-12-31. Version 1.032. LICENSE: other-free. Extension of to a package with three weights, of which the original is considered as light and the additions as regular and bold.  
URL: <https://ctan.org/pkg/bboldx>  
MIRROR: <https://mirror.ctan.org/fonts/bboldx>
  - *The bickham package. Virtual fonts for Adobe Bickham Script Pro*. 2019-05-21. Version 1.1. LICENSE: lppl. The bundle provides virtual fonts and L<sup>A</sup>T<sub>E</sub>X support files for Adobe Bickham Script Pro as a math calligraphic font in regular and bold weights. The most recent version of offers support for these virtual fonts.



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URL: <https://ctan.org/pkg/boondox>  
MIRROR: <https://mirror.ctan.org/fonts/boondox>
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URL: <https://ctan.org/pkg/cochineal>  
MIRROR: <https://mirror.ctan.org/fonts/cochineal>
  - *The DSSerif package. A double-struck serifed font for mathematical use*. 2021-10-30. Version 1.031. LICENSE: ofl,lppl1.3  
URL: <https://ctan.org/pkg/dsserif>  
MIRROR: <https://mirror.ctan.org/fonts/dsserif>
  - *The dutchcal package. A reworking of ESSTIX13, adding a bold version*. 2019-05-21. Version 1.0. LICENSE: lppl  
URL: <https://ctan.org/pkg/dutchcal>  
MIRROR: <https://mirror.ctan.org/fonts/dutchcal>
  - *The erewhon package. Font package derived from Heuristica and Utopia*. 2022-05-16. Version 1.12. LICENSE: ofl,lppl1.3. Erewhon is based on the package, which is based in turn on . Erewhon adds a number of new features — small caps in all styles rather than just regular, added figure styles (proportional, inferior, numerator, denominator) and superior letters. The size is 6% smaller than Heuristica, matching that of UtopiaStd.  
URL: <https://ctan.org/pkg/erewhon>  
MIRROR: <https://mirror.ctan.org/fonts/erewhon>
  - *The esstix package. PostScript versions of the ESSTIX, with macro support*. 2016-06-24. Version 1.0. LICENSE: ofl  
URL: <https://ctan.org/pkg/esstix>  
MIRROR: <https://mirror.ctan.org/fonts/esstix>
  - *The ETbb package. An expansion of Edward Tufte’s ET-Bembo family*. 2022-02-04. Version 1.056. LICENSE: mit,lppl1.3  
URL: <https://ctan.org/pkg/etbb>  
MIRROR: <https://mirror.ctan.org/fonts/etbb>
  - *The fbb package. A free Bembo-like font*. 2020-07-02. Version 1.16. LICENSE: ofl,lppl1.3  
URL: <https://ctan.org/pkg/fbb>  
MIRROR: <https://mirror.ctan.org/fonts/fbb>
  - *The garamondx package. ‘Expert’-like extensions to URW Garamond, and maths italic*. 2021-09-11. Version 1.21. LICENSE: nosell  
URL: <https://ctan.org/pkg/garamondx>  
MIRROR: <https://mirror.ctan.org/fonts/garamondx>
  - *The heuristica package. Fonts extending Utopia, with L<sup>A</sup>T<sub>E</sub>X support files*. 2019-06-11. Version 1.092. LICENSE: ofl  
URL: <https://ctan.org/pkg/heuristica>  
MIRROR: <https://mirror.ctan.org/fonts/heuristica>
  - *The libertinec package. Libertine add-on to support Greek and Cyrillic*. 2017-06-16. Version 1.01. LICENSE: lppl1.3. The package provides L<sup>A</sup>T<sub>E</sub>X support files to access the Greek and Cyrillic glyphs in LinuxLibertine. It functions as an add-on to the package, using filenames and macro names that are compatible with that package. Supported encodings: LGR, T2A, T2B, T2C, OT2.  
URL: <https://ctan.org/pkg/libertinec>  
MIRROR: <https://mirror.ctan.org/fonts/libertinec>
  - *The LibertinusT1Math package. A Type 1 font and L<sup>A</sup>T<sub>E</sub>X support for Libertinus Math*. 2022-01-26. Version 2.0.2. LICENSE: ofl,lppl  
URL: <https://ctan.org/pkg/libertinust1math>  
MIRROR: <https://mirror.ctan.org/fonts/libertinust1math>
  - *The mathalpha package. General package for loading maths alphabets in L<sup>A</sup>T<sub>E</sub>X*. 2021-11-18. Version 1.143. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/mathalpha>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mathalpha>
  - *The minion2newtx package. Enable use of Minion Pro with newtx*. 2020-05-03. Version 2.0. LICENSE: lppl1.3. The package is an add-on to the newtxmath package, providing metric files that allow use of the Roman and Greek letters from MinionPro Version 2 within using the ‘minion’ option.  
URL: <https://ctan.org/pkg/minion2newtx>  
MIRROR: <https://mirror.ctan.org/fonts/minion2newtx>
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- URL: <https://ctan.org/pkg/montserrat>  
MIRROR: <https://mirror.ctan.org/fonts/montserrat>
- *The newpx package. Alternative uses of the PX fonts, with improved metrics.* 2022-01-30. Version 1.505. LICENSE: lppl,ofl  
URL: <https://ctan.org/pkg/newpx>  
MIRROR: <https://mirror.ctan.org/fonts/newpx>
  - *The newtx package. Alternative uses of the TX fonts, with improved metrics.* 2022-03-03. Version 1.71. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/newtx>  
MIRROR: <https://mirror.ctan.org/fonts/newtx>
  - *The newtxsf package. Sans-math fonts for use with newtx.* 2021-05-16. Version 1.054. LICENSE: ofl. The package provides a maths support that amounts to modifications of the sans serif Roman and Greek letters with most symbols taken from (which must of course be installed and its map file enabled).  
URL: <https://ctan.org/pkg/newtxsf>  
MIRROR: <https://mirror.ctan.org/fonts/newtxsf>
  - *The newtxtt package. Enhancement of typewriter fonts from newtx.* 2020-02-16. Version 1.056. LICENSE: gpl3,lppl  
URL: <https://ctan.org/pkg/newtxtt>  
MIRROR: <https://mirror.ctan.org/fonts/newtxtt>
  - *The nimbus15 package. Support files for Nimbus 2015 Core fonts.* 2021-04-07. Version 1.014. LICENSE: other-free,lppl1.3  
URL: <https://ctan.org/pkg/nimbus15>  
MIRROR: <https://mirror.ctan.org/fonts/nimbus15>
  - *The notomath package. Math support for Noto fonts.* 2021-03-25. Version 1.02. LICENSE: ofl,lppl1.3. Math support via for Google's . (Regular and Bold weights only.)  
URL: <https://ctan.org/pkg/notomath>  
MIRROR: <https://mirror.ctan.org/fonts/notomath>
  - *The pst-bspline package. Draw cubic Bspline curves and interpolations.* 2016-06-24. Version 1.62. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/pst-bspline>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-bspline>
  - *The pst-layout package. Page layout macros based on PSTricks packages.* 2018-09-15. Version .95. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-layout>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-layout>
  - *The pstdoc package. A tool for PSTricks documentation.* 2018-09-15. LICENSE: lppl  
URL: <https://ctan.org/pkg/pstdoc>  
MIRROR: <https://mirror.ctan.org/info/pstdoc>
  - *The ptmsc package. Addon to the newtx package.* 2021-09-11. Version 1.1. LICENSE: lppl1.3. This is an addon to the package that allows the substitution of the commercial Adobe TimesSC fonts for the default upright small caps in .  
URL: <https://ctan.org/pkg/ptmsc>  
MIRROR: <https://mirror.ctan.org/fonts/ptmsc>
  - *The ptxalfa package. Virtual maths alphabets based on pxfonts and txfonts.* 2021-10-22. Version 2. LICENSE: lppl. The package provides virtual math alphabets based on and , with L<sup>A</sup>T<sub>E</sub>X support files and adjusted metrics. The package offers support for this collection.  
URL: <https://ctan.org/pkg/ptxalfa>  
MIRROR: <https://mirror.ctan.org/fonts/ptxalfa>
  - *The rsfso package. A mathematical calligraphic font based on rsfs.* 2021-10-22. Version 1.03. LICENSE: lppl. The package provides virtual fonts and L<sup>A</sup>T<sub>E</sub>X support files for mathematical calligraphic fonts based on the (which must also be present for successful installation, with the slant substantially reduced. The output is quite similar to that from the Adobe Mathematical Pi script font.  
URL: <https://ctan.org/pkg/rsfso>  
MIRROR: <https://mirror.ctan.org/fonts/rsfso>
  - *The scanpages package. Support importing and embellishing scanned documents.* 2016-12-02. Version 1.05a. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/scanpages>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/scanpages>
  - *The Scholax package. Extension of T<sub>E</sub>XGyreSchola (New Century Schoolbook) with math support.* 2022-02-01. Version 1.033. LICENSE: lppl  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/caption>



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URL: <https://ctan.org/pkg/newfloat>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/newfloat>
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URL: <https://ctan.org/pkg/statex>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/statex>
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URL: <https://ctan.org/pkg/newapa>  
MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/newapa>
- Spiegel, Simon. *The biblatex-fiwi package. Bib<sup>L</sup>A<sub>T</sub>E<sub>X</sub> styles for use in German humanities*. 2017-11-21. Version 1.7. LICENSE: lppl1.3.  
The package provides a collection of styles for (version 3.5 is required, currently). It was designed for citations in German Humanities, especially film studies, and offers some features that are not provided by the standard Bib<sup>L</sup>A<sub>T</sub>E<sub>X</sub> styles. The style is highly optimized for documents written in German, and the main documentation is only available in German.  
URL: <https://ctan.org/pkg/biblatex-fiwi>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-fiwi>
- Spina, Sergio. *The plipsum package. 'Lorem ipsum' for Plain T<sub>E</sub>X developers*. 2016-06-24. Version 4.3. LICENSE: lppl. The package provides a paragraph generator designed for use in Plain T<sub>E</sub>X documents. The paragraphs generated contain many 'f-groups' (, etc.) so the text can act as a test of the ligatures of the font in use.  
URL: <https://ctan.org/pkg/plipsum>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/plipsum>
- Spinellis, Diomidis and David Hull. *The bib2xhtml package. Convert BibT<sub>E</sub>X Files into XHTML*. 2016-06-24. Version 2.35. LICENSE: gpl  
URL: <https://ctan.org/pkg/bib2xhtml>  
MIRROR: <https://mirror.ctan.org/biblio/bibtex/utils/bib2xhtml>
- Spit, Werenfried. *The cursor package. Draw a cursor in an equation*. 2016-06-24. Version 1.1. LICENSE: noinfo  
URL: <https://ctan.org/pkg/cursor>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cursor>
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URL: <https://ctan.org/pkg/utfsym>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/utfsym>
- Spitzmüller, Jürgen. *The biblatex-publist package. Bib<sup>L</sup>A<sub>T</sub>E<sub>X</sub> bibliography support for publication lists*. 2023-03-18. Version 2.3. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/biblatex-publist>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-publist>
- *The jslectureplanner package. Creation and management of university course material*. 2020-12-08. Version 1.12. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/jslectureplanner>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/jslectureplanner>
- *The univie-ling package. Papers, theses and research proposals in (Applied) Linguistics at Vienna University*. 2023-03-31. Version 2.4. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/univie-ling>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/univie-ling>
- Spitzmüller, Jürgen, Michael Covington, and Robin Fairbairns. *The covington package. L<sup>A</sup>T<sub>E</sub>X macros for Linguistics*. 2022-08-30. Version 2.8. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/covington>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/covington>
- Spivak, Michael. *The LamsT<sub>E</sub>X package. A merge of the best in AMS-T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X*. 2018-01-06. Version 2.01. LICENSE: pd  
URL: <https://ctan.org/pkg/lamstex>  
MIRROR: <https://mirror.ctan.org/macros/lamstex>
- *The lamstex-index package. Index processor for LamsT<sub>E</sub>X*. 2016-06-24. LICENSE: pd  
URL: <https://ctan.org/pkg/lamstex-index>  
MIRROR: <https://mirror.ctan.org/indexing/lamstex-index>
- *The mtp2lite package. Subset of MathTime Pro 2 font set*. 2017-04-18. Version 2 lite. LICENSE: other-nonfree  
URL: <https://ctan.org/pkg/mtp2lite>  
MIRROR: <https://mirror.ctan.org/fonts/mtp2lite>
- Spivey, Mike. *The zed package. Typeset Z specifications*. 2016-06-24. LICENSE: noinfo  
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- Spivey, Mike, Dieter Glötzl, and Bob Tennent. *The xm12pmx package. Convert MusicXML to PMX and MusiX<sub>T</sub>E<sub>X</sub>*. 2021-04-03. LICENSE: gpl3+. This program translates MusicXML files to input suitable for and processing. This package supports Windows, MacOS and Linux systems.

- URL: <https://ctan.org/pkg/xml2pmx>  
MIRROR: <https://mirror.ctan.org/support/xml2pmx>
- Spratte, Jonathan P. *The clrstrip package. Place contents into a full width colour strip*. 2021-08-29. LICENSE: lppl1.3c. This lightweight package provides the environment, that places its contents into a full page width colour strip.  
URL: <https://ctan.org/pkg/clrstrip>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/clrstrip>
- *The ducksay package. Draw ASCII art of animals saying a specified message*. 2022-10-08. Version 2.6. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/ducksay>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ducksay>
  - *The duckuments package. Create duckified dummy content*. 2019-10-03. Version 0.5. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/duckuments>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/duckuments>
  - *The etl package. Expandable token list operations*. 2021-11-07. Version 0.3. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/etl>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/etl>
  - *The expkv package. An expandable key=val implementation*. 2023-01-28. LICENSE: lppl1.3c. As of January 2023, this package has been merged into the .  
URL: <https://ctan.org/pkg/expkv>  
MIRROR: <https://mirror.ctan.org/macros/generic/expkv-bundle>
  - *The expkv-bundle package. An expandable key=val implementation and friends*. 2023-01-28. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/expkv-bundle>  
MIRROR: <https://mirror.ctan.org/macros/generic/expkv-bundle>
  - *The expkv-cs package. Define expandable key=val macros using expkv*. 2023-01-28. LICENSE: lppl1.3c. As of January 2023, this package has been merged into the .  
URL: <https://ctan.org/pkg/expkv-cs>  
MIRROR: <https://mirror.ctan.org/macros/generic/expkv-bundle>
  - *The expkv-def package. A key-defining frontend for expkv*. 2023-01-28. LICENSE: lppl1.3c. As of January 2023, this package has been merged into the .  
URL: <https://ctan.org/pkg/expkv-def>  
MIRROR: <https://mirror.ctan.org/macros/generic/expkv-bundle>
  - *The expkv-opt package. Parse class and package options with expkv*. 2023-01-28. LICENSE: lppl1.3c. As of January 2023, this package has been merged into the .  
URL: <https://ctan.org/pkg/expkv-opt>  
MIRROR: <https://mirror.ctan.org/macros/generic/expkv-bundle>
  - *The grabbox package. Read an argument into a box and execute the code afterwards*. 2022-12-07. Version 1.4. LICENSE: lppl1.3c. The package provides the command `\grabbox`, which grabs an argument into a box and executes the code afterwards.  
URL: <https://ctan.org/pkg/grabbox>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/grabbox>
  - *The pgfmath-xfp package. Define pgfmath functions using xfp*. 2021-05-21. Version 1.0. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/pgfmath-xfp>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pgfmath-xfp>
  - *The pxpic package. Draw pixel pictures*. 2023-02-12. Version 1.4. LICENSE: lppl1.3c. With you draw pictures pixel by pixel. It was inspired by a by Paulo Cereda, among other things (most notably a beautiful duck) showcasing the use of characters from the Mario video games by Nintendo in L<sup>A</sup>T<sub>E</sub>X.  
URL: <https://ctan.org/pkg/pxpic>  
MIRROR: <https://mirror.ctan.org/graphics/pxpic>
  - *The xistercian package. Cistercian numerals in L<sup>A</sup>T<sub>E</sub>X*. 2021-12-20. Version 1.2. LICENSE: lppl1.3c. allows you to use Cistercian numerals in L<sup>A</sup>T<sub>E</sub>X. The glyphs are created using PGF and to a certain degree configurable. You can use Cistercian numerals as page numbers using `\xisternum`. The two main macros are:  
URL: <https://ctan.org/pkg/xistercian>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/xistercian>
- Spreng, Stefan. *The listofsymbols package. Create and manipulate lists of symbols*. 2016-06-24. Version 0.2. LICENSE: lppl  
URL: <https://ctan.org/pkg/listofsymbols>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/listofsymbols>
- Sprille, Tobias. *The adrlist package. Using address lists in L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. LICENSE: noinfo. The package provides a read-file command `\readadrlist` and a set of commands for unpicking the address data in the file.

URL: <https://ctan.org/pkg/adrlist>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/adrlist>

Springer Verlag. *The springer package. Macros for Springer journals.* 2016-06-24. Version 1.8. LICENSE: noinfo  
URL: <https://ctan.org/pkg/springer>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/springer/svjour>

Srinivasan, K. *The adami package. A DOS system for working with Tamil.* 2016-06-18. LICENSE: noinfo  
URL: <https://ctan.org/pkg/adami>  
MIRROR: <https://mirror.ctan.org/language/indian/adami90.zip>

Staats, Michale and Denis Endisch. *The untex package. Strip (La)TeX commands from source file.* 2016-06-24. Version 1.2. LICENSE: gpl  
URL: <https://ctan.org/pkg/untex>  
MIRROR: <https://mirror.ctan.org/support/untex>

Stacey, Andrew. *The braids package. Draw braid diagrams with PGF/TikZ.* 2022-10-26. Version 2.2. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/braids>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/braids>

- *The celtic package. A TikZ library for drawing celtic knots.* 2016-06-24. Version 1.1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/celtic>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/celtic>
- *The hobby package. An implementation of Hobby's algorithm for PGF/TikZ.* 2017-06-01. Version 1.8. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/hobby>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/hobby>
- *The penrose package. A TikZ library for producing Penrose tilings.* 2021-01-23. Version 1.4. LICENSE: lppl1.3c. This package provides a library for drawing Penrose tiles. It currently supports the kite/dart, rhombus, and pentagon tile sets. There are two main methods for their placement: one that automatically generates a tiling, and one that allows for “by hand” placement. Furthermore, the tiles themselves can be deformed and will still (hopefully!) fit together in the correct fashion.  
URL: <https://ctan.org/pkg/penrose>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/penrose>
- *The pgfmorepages package. Assemble multiple logical pages onto a physical page.* 2020-04-16. Version 1.20. LICENSE: lppl1.3c. This package replaces and extends the pgfpages sub-package of the . It provides the capability to arrange multiple “logical” pages on multiple “physical” pages, for example as for arranging pages to make booklets.  
URL: <https://ctan.org/pkg/pgfmorepages>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/pgfmorepages>
- *The rulercompass package. A TikZ library for straight-edge and compass diagrams.* 2016-06-24. Version 1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/rulercompass>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/rulercompass>
- *The spath3 package. Manipulate “soft paths” in PGF.* 2022-10-26. Version 2.7. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/spath3>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/spath3>
- *The tikzmark package. Use TikZ's method of remembering a position on a page.* 2022-10-26. Version 1.15. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/tikzmark>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikzmark>
- *The tqft package. Drawing TQFT diagrams with TikZ/PGF.* 2017-06-01. Version 2.1. LICENSE: lppl1.3. The package defines some node shapes useful for drawing TQFT diagrams with . That is, it defines highly customisable shapes that look like cobordisms between circles, such as those used in TQFT and other mathematical diagrams.  
URL: <https://ctan.org/pkg/tqft>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tqft>

Stachelek, Joseph. *The tikz-lake-fig package. Schematic diagrams of lakes.* 2020-05-31. Version 1.0. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/tikz-lake-fig>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikz-lake-fig>

Stajano, Frank. *The fixbbl package. Patch bibliographies inappropriately broken by BibTeX.* 2016-06-24. LICENSE: other-free  
URL: <https://ctan.org/pkg/fixbbl>  
MIRROR: <https://mirror.ctan.org/biblio/bibtex/utis/fixbbl>

Stambulchik, Evgeny. *The pdfpc package. Define data for the pdfpc presentation viewer.* 2022-07-10. Version 0.7.0. LICENSE: gpl3+  
URL: <https://ctan.org/pkg/pdfpc>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pdfpc>

- Stanier, Alan. *The cherokee package. A font for the Cherokee script*. 2016-06-24. LICENSE: other-free  
 URL: <https://ctan.org/pkg/cherokee>  
 MIRROR: <https://mirror.ctan.org/fonts/cherokee>
- *The cypriote package. A font for ancient Cypriot Greek inscriptions*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/cypriote>  
 MIRROR: <https://mirror.ctan.org/fonts/cypriote>
  - *The dancers package. Font for Conan Doyle’s “The Dancing Men”*. 2016-06-30. LICENSE: other-free  
 URL: <https://ctan.org/pkg/dancers>  
 MIRROR: <https://mirror.ctan.org/fonts/dancers>
  - *The georgian-stanier package. A Georgian font*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/georgian-stanier>  
 MIRROR: <https://mirror.ctan.org/fonts/georgian/stanier>
  - *The goblin package. Tolkien’s goblin alphabet*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/goblin>  
 MIRROR: <https://mirror.ctan.org/fonts/goblin>
  - *The iching package. A font for I Ching divinations*. 2016-06-24. LICENSE: noinfo. A L<sup>A</sup>T<sub>E</sub>X file is provided to print out divinations, using the font (supplied as Metafont source). The macro in the L<sup>A</sup>T<sub>E</sub>X file is a simplified beast, in which significance is only accorded to one line in the hexagram.  
 URL: <https://ctan.org/pkg/iching>  
 MIRROR: <https://mirror.ctan.org/fonts/iching>
  - *The osmanian package. Osmanian font for writing Somali*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/osmanian>  
 MIRROR: <https://mirror.ctan.org/fonts/osmanian>
  - *The shavian package. A Shavian spelling alphabet font*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/shavian>  
 MIRROR: <https://mirror.ctan.org/fonts/shavian>
  - *The SouthArabian package. A font for an archaic South Arabia script*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/southarabian>  
 MIRROR: <https://mirror.ctan.org/fonts/southarabian>
  - *The syriac package. A font for Syriac written in Estrangelo*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/syriac>  
 MIRROR: <https://mirror.ctan.org/fonts/syriac>
  - *The ugaritic package. A font for Ugaritic*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/ugaritic>  
 MIRROR: <https://mirror.ctan.org/fonts/ugaritic>
- Stanier, Alan, Robin Fairbairns, and David Carlisle. *The ogham package. Fonts for typesetting Ogham script*. 2018-09-15. LICENSE: pd  
 URL: <https://ctan.org/pkg/ogham>  
 MIRROR: <https://mirror.ctan.org/fonts/ogham>
- Stanley, Paul. *The oscola package. BibL<sup>A</sup>T<sub>E</sub>X style for the Oxford Standard for the Citation of Legal Authorities*. 2020-03-15. Version 1.7. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/oscola>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/oscola>
- Staps, Camil. *The bibletext package. Insert Bible passages by their reference*. 2017-09-02. Version 0.1.2. LICENSE: mit  
 URL: <https://ctan.org/pkg/bibletext>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bibletext>
- *The LaTeXgit package. A L<sup>A</sup>T<sub>E</sub>X git wrapper*. 2020-04-20. LICENSE: gpl3  
 URL: <https://ctan.org/pkg/latexgit>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/latexgit>
- Staps, Camil. *The memorygraphs package. TikZ styles to typeset graphs of program memory*. 2019-01-07. Version 0.1.1. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/memorygraphs>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/memorygraphs>
- Starks, Anthony. *The fig2mf package. Convert fig output to Metafont*. 2016-06-24. Version 0.04. LICENSE: nosell. The generated Metafont code uses the macros.  
 URL: <https://ctan.org/pkg/fig2mf>  
 MIRROR: <https://mirror.ctan.org/graphics/fig2mf>



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 URL: <https://ctan.org/pkg/floatpag>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/sttools>
- Stauss, Harald M. *The fastpictex package. Simple specification of PicTeX diagrams*. 2016-06-24. Version 0.9. LICENSE: gpl. FastPicTeX is a preprocessor for . It reads macros (in a language that is very easy to write) and converts them to PicTeX code that can be included in L<sup>A</sup>T<sub>E</sub>X documents. FastPicTeX is specifically designed for diagrams of numbered data material, such as line graphs, bar graphs, or xy graphs.  
 URL: <https://ctan.org/pkg/fastpictex>  
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- Steensgaard, Jørgen. *The ebook package. Helps creating an ebook by providing an ebook class*. 2018-01-07. LICENSE: pd  
 URL: <https://ctan.org/pkg/ebook>  
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- Stefanović, Uroš. *The cmsrb package. Computer Modern for Serbian and Macedonian*. 2020-03-30. Version 4.0. LICENSE: gpl  
 URL: <https://ctan.org/pkg/cmsrb>  
 MIRROR: <https://mirror.ctan.org/fonts/cmsrb>
- *The cmupint package. Upright integral symbols for Computer Modern*. 2020-04-13. Version 1.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/cmupint>  
 MIRROR: <https://mirror.ctan.org/fonts/cmupint>
  - *The srbtiks package. Font STIX2 for Serbian and Macedonian*. 2022-05-26. Version 1.0. LICENSE: ofl,lppl1.3. The package is the extension of the package that enables usage of the STIX2 font in L<sup>A</sup>T<sub>E</sub>X for the Serbian and Macedonian languages (therefore, it is required to have the package installed).  
 URL: <https://ctan.org/pkg/srbtiks>  
 MIRROR: <https://mirror.ctan.org/fonts/srbtiks>
- Steffani, Hans Friedrich. *The fancyfolien package. Fancyhdr outline for German readers*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/fancyfolien>  
 MIRROR: <https://mirror.ctan.org/info/german/fancyhdr>
- *The ftcap package. Allows \caption at the beginning of a table-environment*. 2016-06-24. Version 1.4. LICENSE: gpl. For several reasons a may be desirable at the top of a environment. This package changes the environment such that and are swapped. The package should also work with a non-standard table environment.  
 URL: <https://ctan.org/pkg/ftcap>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ftcap>
- Steffens, Stefan and George Greenwade. *The latex-info package. Unofficial reference manual for L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. Version 2.0. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/latex-info>  
 MIRROR: <https://mirror.ctan.org/obsolete/info/latex-info>
- Steffmann, Dieter and Maurizio Loreti. *The initials package. Adobe Type 1 decorative initial fonts*. 2019-07-06. LICENSE: lppl. For each font, at least a and a file is provided, with an file for use with L<sup>A</sup>T<sub>E</sub>X.  
 URL: <https://ctan.org/pkg/initials>  
 MIRROR: <https://mirror.ctan.org/fonts/initials>
- Stein, Leo. *The orcidlink package. Insert hyperlinked ORCiD logo*. 2021-06-11. Version 1.0.4. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/orcidlink>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/orcidlink>
- Steinbach, Andrea and Angelika Schofer. *The mtex package. The pioneering music-in-TeX macros*. 2018-01-06. Version 0.92. LICENSE: noinfo. This package, MuTeX (as it was originally known) the humble base by which both and (indirectly) were inspired.  
 URL: <https://ctan.org/pkg/mtex>  
 MIRROR: <https://mirror.ctan.org/macros/mtex>
- Steiner, Beat. *The ttt package. A Tibetan Transcript Transliterator for L<sup>A</sup>T<sub>E</sub>X*. 2018-01-06. Version 0.1. LICENSE: gpl. The transcriptions work with Sirlin's , but the transcriber manages better support (particularly of ligatures) than other approaches to Tibetan.  
 URL: <https://ctan.org/pkg/ttt>  
 MIRROR: <https://mirror.ctan.org/language/tibetan/steiner>
- Steiner, Dave. *The usenix package. Style option to do Usenix conference proceedings*. 2016-06-24. LICENSE: nosell. This is an option, conforming to rules derived from "Instructions for Usenix Authors and Speakers". Unfortunately the package author considered some of the details unclear, and was unable to clear up the problems for lack of communication with Usenix admin.  
 URL: <https://ctan.org/pkg/usenix>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/usenix.sty>

- Stender, Daniel. *The xetex-devanagari package*. XeTeX input map for Unicode Devanagari. 2016-06-24. Version 0.5. LICENSE: lppl  
 URL: <https://ctan.org/pkg/xetex-devanagari>  
 MIRROR: <https://mirror.ctan.org/macros/xetex/generic/devanagari>
- *The xetex-tibetan package*. XeTeX input maps for Unicode Tibetan. 2016-06-24. Version 0.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/xetex-tibetan>  
 MIRROR: <https://mirror.ctan.org/macros/xetex/generic/tibetan>
- Stepanyan, R. *The barddiag package*. L<sup>A</sup>T<sub>E</sub>X package for drawing bar diagrams. 2018-09-15. Version 0.4a. LICENSE: lppl. The main purpose of the package is to make the drawing of bar diagrams possible and easy in L<sup>A</sup>T<sub>E</sub>X. The BarDiag package is inspired by and based on .  
 URL: <https://ctan.org/pkg/barddiag>  
 MIRROR: <https://mirror.ctan.org/graphics/barddiag>
- *The biblio-perl package*. System for maintaining and presenting bibliographies. 2016-06-24. Version 1.0. LICENSE: nosell  
 URL: <https://ctan.org/pkg/biblio-perl>  
 MIRROR: <https://mirror.ctan.org/support/biblio>
- Stephani, Philipp. *The lualatex-math package*. Fixes for mathematics-related LuaL<sup>A</sup>T<sub>E</sub>X issues. 2022-01-01. Version 1.12. LICENSE: lppl1.3c. The package patches a few commands of the L<sup>A</sup>T<sub>E</sub>X2e kernel and the and packages to be more compatible with the LuaTeX engine. It is only meaningful for LuaL<sup>A</sup>T<sub>E</sub>X documents containing mathematical formulas, and does not exhibit any new functionality. The fixes are mostly moved from the package to this package since they are not directly related to Unicode mathematics typesetting.  
 URL: <https://ctan.org/pkg/lualatex-math>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/latex/lualatex-math>
- *The luaLaTeX-platform package*. Load platform-specific code into LuaTeX. 2016-06-24. Version 0.1. LICENSE: other-free  
 URL: <https://ctan.org/pkg/lualatex-platform>  
 MIRROR: <https://mirror.ctan.org/obsolete/systems/luatex/contrib/lualatex-platform>
- Stergiou, Andreas. *The chet package*. L<sup>A</sup>T<sub>E</sub>X layout inspired by harvmac. 2017-08-19. Version 2.2. LICENSE: lppl1.3. The package aims to streamline the work of typesetting, and to provide the look and feel of for readers.  
 URL: <https://ctan.org/pkg/chet>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/chet>
- Sterling, Jonathan. *The jmsdelim package*. A package for compositional delimiter sizing. 2022-03-12. Version 0.2.0. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/jmsdelim>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/jmsdelim>
- Sternefeld, Wolfgang. *The linguex package*. Format linguists' examples. 2016-06-24. Version 4.3. LICENSE: lppl  
 URL: <https://ctan.org/pkg/linguex>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/linguex>
- *The pstrees package*. Construct linguistics trees using a preprocessor. 2016-06-24. Version 2. LICENSE: lppl. The preprocessor (written in C) prepares tree sources; the macros make use of Emma Pease's package.  
 URL: <https://ctan.org/pkg/pstrees>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/trees/pstrees>
- Steuer, Arne W. *The cassette209 package*. A L<sup>A</sup>T<sub>E</sub>X 209 document style for cassette inserts. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/cassette209>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/cassette>
- Stewart, G. W. *The jeep package*. Modified L<sup>A</sup>T<sub>E</sub>X2.09 article and report styles. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/jeep>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/jeep>
- Stippich, Frank. *The texed package*. A T<sub>E</sub>X shell for OS/2. 2016-06-24. Version 1.50. LICENSE: shareware. A T<sub>E</sub>X shell for OS/2, FSS-TeXEdit provides an easy interface for L<sup>A</sup>T<sub>E</sub>X2e, , and .  
 URL: <https://ctan.org/pkg/texed>  
 MIRROR: <https://mirror.ctan.org/systems/os2/texed>
- Stoffel, Augusto. *The digestif package*. Editor plugin for L<sup>A</sup>T<sub>E</sub>X, ConTeXt etc. 2022-12-08. Version 0.5.1. LICENSE: gpl3+,lppl1.3,fdl  
 URL: <https://ctan.org/pkg/digestif>  
 MIRROR: <https://mirror.ctan.org/support/digestif>
- *The tikz-cd package*. Create commutative diagrams with TikZ. 2021-05-08. Version 1.0. LICENSE: lppl1.3. The general-purpose drawing package can be used to typeset commutative diagrams and other kinds of mathematical pictures, generating high-quality results. The purpose of this package is to make the process of creation of such diagrams easier by providing a convenient set of macros and reasonable default settings. This package also includes an arrow tip library that match closely the arrows present in the Computer Modern typeface.

URL: <https://ctan.org/pkg/tikz-cd>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikz-cd>

Stoks, Sander. *The kix package. Typeset KIX codes*. 2016-06-24. LICENSE: lppl1  
URL: <https://ctan.org/pkg/kix>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/kix>

Stone, Anthony. *The bidstobibtex package. Convert BIDS returns to BibTeX*. 2016-06-24. LICENSE: noinfo. A Perl script that takes input from a email message (generated by BIDS in its downloading format) to BibTeX.  
URL: <https://ctan.org/pkg/bidstobibtex>  
MIRROR: <https://mirror.ctan.org/biblio/bibtex/utils/bids/bids.to.bibtex>

Stone, Philip. *The ReadableCV package. A highly readable and good looking CV and letter class*. 2021-03-24. Version 3.0. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/readablecv>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/readablecv>

Story, Donald P. *Theacroflex package. Create a graphing widget in a PDF file*. 2021-09-11. Version 1.7. LICENSE: lppl1  
URL: <https://ctan.org/pkg/acroflex>  
MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/acroflex>

— *The AcroMemory package. Memory games in L<sup>A</sup>T<sub>E</sub>X*. 2021-09-11. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/acromemory>  
MIRROR: [https://mirror.ctan.org/macros/latex/contrib/aeb\\_pro/acromemory](https://mirror.ctan.org/macros/latex/contrib/aeb_pro/acromemory)

— *The AcroSort package. Sort sliced image into order*. 2021-09-11. Version 1.6.1. LICENSE: lppl  
URL: <https://ctan.org/pkg/acrosort>  
MIRROR: [https://mirror.ctan.org/macros/latex/contrib/aeb\\_pro/acrosort](https://mirror.ctan.org/macros/latex/contrib/aeb_pro/acrosort)

— *The acrotex package. The AcroTeX education bundle*. 2022-12-13. LICENSE: lppl  
URL: <https://ctan.org/pkg/acrotex>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/acrotex>

— *The acrotex-js package. JavaScript files used by acrotex and other packages*. 2021-11-07. LICENSE: lppl. In the distribution of this package are two critical JavaScript files ( and ) used by the packages , , and . Previously these JS files where distributed with the individual packages, now they are distributed by this package and must be installed according to the instructions in the folder.  
URL: <https://ctan.org/pkg/acrotex-js>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/acrotex-js>

— *The acrotex-web package. Establish a page layout for an on-screen (PDF) document*. 2021-05-12. Version 6.1.7. LICENSE: lppl1  
URL: <https://ctan.org/pkg/acrotex-web>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/acrotex>

— *The AeB Pro package. Items from the AeB Pro Family of Software*. 2021-09-11. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/aeb-pro>  
MIRROR: [https://mirror.ctan.org/macros/latex/contrib/aeb\\_pro/aeb\\_pro](https://mirror.ctan.org/macros/latex/contrib/aeb_pro/aeb_pro)

— *The AeB slicing package. An image slicer*. 2021-09-11. Version 1.0. LICENSE: lppl  
URL: <https://ctan.org/pkg/aeb slicing>  
MIRROR: [https://mirror.ctan.org/macros/latex/contrib/aeb\\_pro/aeb slicing](https://mirror.ctan.org/macros/latex/contrib/aeb_pro/aeb slicing)

— *The aeb-minitoc package. Create mini-tocs*. 2021-09-11. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/aeb-minitoc>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/aeb-minitoc>

— *The aeb-mlink package. Multi-line links with hyperref*. 2021-09-11. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/aeb-mlink>  
MIRROR: [https://mirror.ctan.org/macros/latex/contrib/aeb\\_mlink](https://mirror.ctan.org/macros/latex/contrib/aeb_mlink)

— *The aeb-mobile package. Format PDF files for use on a smartphone*. 2021-09-11. Version 1.4. LICENSE: lppl  
URL: <https://ctan.org/pkg/aeb-mobile>  
MIRROR: [https://mirror.ctan.org/macros/latex/contrib/aeb\\_mobile](https://mirror.ctan.org/macros/latex/contrib/aeb_mobile)

Story, Donald P. *The aeb-tilebg package. AeB Tiling Backgrounds*. 2021-09-11. Version 1.2. LICENSE: lppl  
URL: <https://ctan.org/pkg/aeb-tilebg>  
MIRROR: [https://mirror.ctan.org/macros/latex/contrib/aeb\\_tilebg](https://mirror.ctan.org/macros/latex/contrib/aeb_tilebg)

— *The aeb\_dad package. A drag-and-drop matching game with PDF files*. 2016-12-14. Version 1.2b. LICENSE: lppl. The package is used to create a DAD (Drag and Drop) Matching Game that uses stamps and push buttons. DAD Matching works in any version of Acrobat, and in Adobe Reader XI; it can use the stamps created by the .  
URL: [https://ctan.org/pkg/aeb\\_dad](https://ctan.org/pkg/aeb_dad)  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mkstmpdad>

- *The aebvelope package. The AeB Pro eEnvelope System.* 2021-09-11. Version 1.0. LICENSE: lppl. The package uses the concept of an ‘eEnvelope’ to direct the user’s attention to attached files. The system may use any one of four provided eEnvelope templates, or can use a custom designed template. The package is required to attach documents to the eEnvelope. AeB Pro, and hence also eEnvelope, requires Acrobat Pro, version 7.0 or later, and requires the document author to create PDF using distiller.  
URL: <https://ctan.org/pkg/aebvelope>  
MIRROR: [https://mirror.ctan.org/macros/latex/contrib/aeb\\_pro/aebvelope](https://mirror.ctan.org/macros/latex/contrib/aeb_pro/aebvelope)
- *The aebXMP package. Add advanced metadata to PDF files.* 2021-09-11. LICENSE: lppl1.2,lppl1.2  
URL: <https://ctan.org/pkg/aebxmp>  
MIRROR: [https://mirror.ctan.org/macros/latex/contrib/aeb\\_pro/aebxmp](https://mirror.ctan.org/macros/latex/contrib/aeb_pro/aebxmp)
- *The annot-pro package. Create text, stamp and file attachment annotations.* 2021-09-11. LICENSE: lppl  
URL: <https://ctan.org/pkg/annot-pro>  
MIRROR: [https://mirror.ctan.org/macros/latex/contrib/annot\\_pro](https://mirror.ctan.org/macros/latex/contrib/annot_pro)
- *The artthreads package. Support for article threads.* 2021-09-11. Version 1.3.1. LICENSE: lppl1  
URL: <https://ctan.org/pkg/artthreads>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/artthreads>
- *The bargraph-js package. Create bar graphs using form fields and JavaScript.* 2021-09-11. Version 0.8. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/bargraph-js>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bargraph-js>
- *The cntdown package. Support for countdowns, and for clocks in any timezone.* 2021-09-11. Version 0.6. LICENSE: lppl1  
URL: <https://ctan.org/pkg/cntdown>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cntdown>
- *The conv-xkv package. Create new key-value syntax.* 2017-03-20. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/conv-xkv>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/conv-xkv>
- *The datepicker-pro package. Create a popup datepicker using SWF.* 2021-09-11. Version 1.4. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/datepicker-pro>  
MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/datepicker-pro>
- *The digicap-pro package. Creates captions to digital photos.* 2021-09-11. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/digicap-pro>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/digicap-pro>
- *The docassembly package. Use the Acrobat JavaScript API.* 2021-09-11. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/docassembly>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/docassembly>
- *The dps package. Create a “matching” game with a hidden message.* 2021-09-11. LICENSE: lppl  
URL: <https://ctan.org/pkg/dps>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/dps>
- *The ecards package. Electronic flash cards.* 2021-09-11. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/ecards>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ecards>
- *The eforms package. eForm support for the AcroTeX bundle.* 2021-05-12. Version 2.4.3. LICENSE: lppl1  
URL: <https://ctan.org/pkg/eforms>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/acrotex>
- *The endnotes-hy package. Patches the endnotes package to create hypertext links to the correct anchors.* 2020-04-16. LICENSE: lppl1.2. The package supports the creation of hypertext links in support of the package. The package modifies the syntax of the command: When the -option is used, no endnote mark is created, but the endnote itself is written. The command appears at the end of the and its arguments, rather than within the argument of the argument.  
URL: <https://ctan.org/pkg/endnotes-hy>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/endnotes-hy>
- Story, Donald P. *The eq-fetchbbl package. Match Biblical passages with verse references in a quiz.* 2021-09-11. Version 1.0. LICENSE: lppl  
URL: <https://ctan.org/pkg/eq-fetchbbl>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/eq-fetchbbl>
- *The eq-pin2corr package. Add PIN security to the “Correct” button of a quiz created by exerquiz.* 2021-06-05. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/eq-pin2corr>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/eq-pin2corr>

- *The eq-save package. Save exerquiz quizzes and resume.* 2021-09-11. LICENSE: lppl1.2. The package has a scheme for saving data from documents so the student can return later to continue with quiz results restored.  
URL: <https://ctan.org/pkg/eq-save>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/eq-save>
- *The eq2db package. Convert a quiz to one submitted to a server-side script.* 2021-09-11. Version 2.0. LICENSE: lppl  
URL: <https://ctan.org/pkg/eq2db>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/eq2db>
- *The eqexam package. A stand-alone exam package.* 2021-09-11. LICENSE: lppl1.2. eqExam is a L<sup>A</sup>T<sub>E</sub>X package for writing exams, tests, quizzes, homework assignments, etc. It is a stand alone package, yet is tightly integrated with the .  
URL: <https://ctan.org/pkg/eqexam>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/eqexam>
- *The exerquiz package. Environments for defining exercises and quizzes.* 2021-10-13. Version 8.8.5. LICENSE: lppl1  
URL: <https://ctan.org/pkg/exerquiz>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/acrotex>
- *The fc-arith package. Create an arithmetic flash card.* 2021-09-11. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/fc-arith>  
MIRROR: [https://mirror.ctan.org/macros/latex/contrib/fc\\_arith](https://mirror.ctan.org/macros/latex/contrib/fc_arith)
- *The fetchbibpes package. Creates a DB of Bible verses from e-Sword, then fetches them on command.* 2021-09-11. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/fetchbibpes>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fetchbibpes>
- *The FitR package. Set a rectangular destination and jump to it.* 2021-09-11. Version 1.3.2. LICENSE: lppl  
URL: <https://ctan.org/pkg/fitr>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fitr>
- *The fldigial package. Create a Flash slide show of digital photos.* 2021-09-11. Version 0.6. LICENSE: lppl1  
URL: <https://ctan.org/pkg/fldigial>  
MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/fldigial>
- *The forms16be package. Initialize form properties using big-endian encoding.* 2019-06-03. Version 1.3. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/forms16be>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/forms16be>
- *The graphicxbox package. Insert a graphical image as a background.* 2016-06-24. Version 1.0. LICENSE: lppl. The package defines two new commands and , which are companions to and of the . The command inserts a graphical image as a background rather than a background color, while does the same thing, but also draws a colored frame around the box.  
URL: <https://ctan.org/pkg/graphicxbox>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/graphicxbox>
- *The GraphicxSP package. An extension of the graphicx package.* 2021-09-11. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/graphicxsp>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/graphicxsp>
- *The grayhints package. Produce ‘gray hints’ to a variable text field.* 2018-11-03. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/grayhints>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/grayhints>
- *The icon-appr package. Creates icon appearances for form buttons.* 2021-09-11. LICENSE: lppl1.2  
URL: <https://ctan.org/pkg/icon-appr>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/icon-appr>
- *The insdljs package. Insert document-level JavaScript in L<sup>A</sup>T<sub>E</sub>X documents.* 2021-06-19. Version 2.5.5. LICENSE: lppl1  
URL: <https://ctan.org/pkg/insdljs>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/acrotex>
- *The jj-game package. A L<sup>A</sup>T<sub>E</sub>X class to construct Jeopardy-like games.* 2021-09-11. Version 3.1. LICENSE: lppl  
URL: <https://ctan.org/pkg/jj-game>  
MIRROR: [https://mirror.ctan.org/macros/latex/contrib/jj\\_game](https://mirror.ctan.org/macros/latex/contrib/jj_game)
- Story, Donald P. *The lmacs package. A simple package for including support files.* 2021-09-11. Version 1.1. LICENSE: noinfo  
URL: <https://ctan.org/pkg/lmacs>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/lmacs>
- *The ltx4yt package. Play YouTube videos in the default browser.* 2021-09-11. LICENSE: lppl  
URL: <https://ctan.org/pkg/ltx4yt>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ltx4yt>



- *The mi-solns package*. Extract solutions from exercises and quizzes. 2019-01-12. Version 0.6. LICENSE: lppl1.2  
 URL: <https://ctan.org/pkg/mi-solns>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mi-solns>
- *The mkstmp package*. Provides a simple workflow for creating custom stamps. 2018-06-12. Version 1.1. LICENSE: lppl  
 URL: [https://ctan.org/pkg/mkstmp\\_pro](https://ctan.org/pkg/mkstmp_pro)  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mkstmpdad>
- *The opacity-pro package*. Set transparency and blend mode. 2021-09-11. LICENSE: lppl1.2  
 URL: <https://ctan.org/pkg/opacity-pro>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/opacity-pro>
- *The pmdb package*. Create a DB (PDF) document for selecting content for inclusion in another documents. 2021-09-11. LICENSE: lppl1.2  
 URL: <https://ctan.org/pkg/pmdb>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pmdb>
- *The popupmenu package*. Create popup menus in PDF files. 2021-09-11. Version 1.2. LICENSE: lppl  
 URL: <https://ctan.org/pkg/popupmenu>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/popupmenu>
- *The qrcstamps package*. Create QR codes using stamps. 2021-09-11. Version 1.0. LICENSE: lppl1.2  
 URL: <https://ctan.org/pkg/qrcstamps>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/qrcstamps>
- *The ran\_toks package*. Randomise token strings. 2021-06-06. LICENSE: lppl1  
 URL: [https://ctan.org/pkg/ran\\_toks](https://ctan.org/pkg/ran_toks)  
 MIRROR: [https://mirror.ctan.org/macros/latex/contrib/ran\\_toks](https://mirror.ctan.org/macros/latex/contrib/ran_toks)
- *The rangen package*. Generate random integers, rational and decimal numbers. 2021-09-11. Version 1.4. LICENSE: lppl1.2. The package generates random integers, rational numbers, and decimal numbers. The package uses the package to generate random integers, and then builds rational numbers and decimal numbers from the generated integers.  
 URL: <https://ctan.org/pkg/rangen>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/rangen>
- *The renditions package*. Multiple versions from the same content. 2021-09-11. Version 0.1. LICENSE: lppl. The package sets up ‘comment’ environments, called ; each rendition is thought of as a version of the basic content of the document that includes it.  
 URL: <https://ctan.org/pkg/renditions>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/renditions>
- *The richtext package*. Create rich text strings. 2021-09-11. LICENSE: lppl1.2. The richtext package is used to create rich text strings that can, in turn, be inserted into the RV (and V) keys of text field. Currently, only the eforms package supports the RV key.  
 URL: <https://ctan.org/pkg/richtext>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/richtext>
- *The rmannot package*. Create rich media annotations in a PDF file. 2021-09-11. LICENSE: lppl  
 URL: <https://ctan.org/pkg/rmannot>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/rmannot>
- *The Robot Man package*. A fun demo of AcroTeX eEducation Bundle facilities. 2017-04-18. LICENSE: lppl. Robot man is distributed as part of the bundle (just for fun); the source is attached to the PDF file.  
 URL: <https://ctan.org/pkg/robot-man>  
 MIRROR: [https://mirror.ctan.org/macros/latex/contrib/aeb\\_pro/robot\\_man](https://mirror.ctan.org/macros/latex/contrib/aeb_pro/robot_man)
- *The thorshammer package*. Assessment based on AcroTeX quizzes. 2021-09-11. LICENSE: lppl1.2  
 URL: <https://ctan.org/pkg/thorshammer>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/thorshammer>
- *The tile-graphic package*. Create tiles of a graphical file. 2020-05-31. LICENSE: lppl1.2. This package breaks a given graphical file into rows and columns of subgraphics, which are called tiles. The tiles can be written separately to individual PDF files, or packaged into a single PDF file.  
 URL: <https://ctan.org/pkg/tile-graphic>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tile-graphic>
- Story, Donald P. *The xbmks package*. Create a cross-document bookmark tree. 2020-01-18. LICENSE: lppl1.2  
 URL: <https://ctan.org/pkg/xbmks>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xbmks>
- *The yt4pdf package*. Play YouTube videos in a PDF. 2020-07-30. LICENSE: lppl1  
 URL: <https://ctan.org/pkg/yt4pdf>  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/sanitize-umlaut>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tcolorbox>
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 URL: <https://ctan.org/pkg/achicago>  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/frankenstein>
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 MIRROR: <https://mirror.ctan.org/macros/al latex/al latex-1.0>
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 URL: <https://ctan.org/pkg/attrib>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/frankenstein>
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 URL: <https://ctan.org/pkg/bits>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/frankenstein/unsupported>
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 URL: <https://ctan.org/pkg/blkcntrl>  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/frankenstein>
  - *The drama package. Production-style stage script in L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. Version 0.2. LICENSE: gpl  
 URL: <https://ctan.org/pkg/drama>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/frankenstein/unsupported>
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 URL: <https://ctan.org/pkg/frankenbundle>  
 MIRROR: <https://mirror.ctan.org/support/frankenbundle>
  - *The frankenstein package. A collection of L<sup>A</sup>T<sub>E</sub>X packages*. 2016-06-24. LICENSE: collection. Frankenstein is a bundle of L<sup>A</sup>T<sub>E</sub>X packages serving various purposes and a BibTeX bibliography style. Descriptions are given under the individual packages: , , , , , , , , , ,  
 URL: <https://ctan.org/pkg/frankenstein>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/frankenstein>
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 URL: <https://ctan.org/pkg/frankenstein-unsupported>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/frankenstein/unsupported>
- *The includex package. Extended \include*. 2016-06-24. Version 0.6. LICENSE: gpl  
 URL: <https://ctan.org/pkg/includex>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/frankenstein/unsupported>

- *The lips package. Text ellipses in L<sup>A</sup>T<sub>E</sub>X.* 2016-06-24. Version 2.1. LICENSE: gpl  
URL: <https://ctan.org/pkg/lips>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/frankenstein>
- *The monster package. Obsolete name for Frankenstein.* 2016-06-24. LICENSE: gpl. This is an (obsolete) 8+3-compliant name for the bundle.  
URL: <https://ctan.org/pkg/monster>
- *The moredefs package. L<sup>A</sup>T<sub>E</sub>X defining, expansion, and debugging commands.* 2016-06-24. Version 1.8. LICENSE: gpl  
URL: <https://ctan.org/pkg/moredefs>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/frankenstein>
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URL: <https://ctan.org/pkg/newclude>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/frankenstein>
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URL: <https://ctan.org/pkg/sl emph>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/frankenstein>
- *The swiftex package. Edit doc.sty and normal L<sup>A</sup>T<sub>E</sub>X files with GNU Emacs.* 2016-06-24. Version 1.35. LICENSE: gpl. DocTeX mode is for editing buffers containing self-documenting L<sup>A</sup>T<sub>E</sub>X code that uses the package, including the document class. DocTeX mode was designed to be significantly more useful than the alternatives provided by standard Emacs and (AUC T<sub>E</sub>X has since caught up in this regard). SwifTeX mode is for editing buffers containing normal L<sup>A</sup>T<sub>E</sub>X files and provides an alternative to the L<sup>A</sup>T<sub>E</sub>X modes in the standard Emacs distribution and in .  
URL: <https://ctan.org/pkg/swiftex>  
MIRROR: <https://mirror.ctan.org/support/emacs-modes/swiftex>
- *The titles package. Titles of books, articles, etc. in L<sup>A</sup>T<sub>E</sub>X.* 2016-06-24. Version 1.2. LICENSE: gpl. A L<sup>A</sup>T<sub>E</sub>X package defining macros that typeset the titles of books, journals, etc. and handle following spacing and punctuation intelligently, based on context. Useful for bibliographic databases and any document. Also includes other markup like , , , etc.  
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URL: <https://ctan.org/pkg/aboensis>  
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URL: <https://ctan.org/pkg/missaali>  
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URL: <https://ctan.org/pkg/asana-math>  
MIRROR: <https://mirror.ctan.org/fonts/Asana-Math>
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URL: <https://ctan.org/pkg/bib-greek>  
MIRROR: <https://mirror.ctan.org/language/greek/BibTeX>



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URL: <https://ctan.org/pkg/epiolmec>  
MIRROR: <https://mirror.ctan.org/language/epiolmec>
- *The frederika2016 package. An OpenType Greek calligraphy font.* 2016-09-28. Version 1.000 2016 initial release. LICENSE: ofl  
URL: <https://ctan.org/pkg/frederika2016>  
MIRROR: <https://mirror.ctan.org/fonts/frederika2016>
- *The greek-makeindex package. Makeindex working with Greek.* 2016-06-24. Version 2.0. LICENSE: other-free. is resolutely stuck with Latin-based alphabets, so will not deal with Greek indexes, unaided. This package provides a Perl script that will transmute the index of a Greek document in such a way that makeindex will sort the entries according to the rules of the Greek alphabet.  
URL: <https://ctan.org/pkg/greek-makeindex>  
MIRROR: <https://mirror.ctan.org/language/greek/mkgrkindex>
- *The grnumalt package. Ancient Greek (Athenian) numbers.* 2019-06-21. Version 1.1. LICENSE: other-nonfree. The package implements a numbering system that was used in ancient Athens, producing the ‘Athenian’ numeral for any positive number. The package’s command can (in principle) be used to provide alternative typeset display of the value of counters.  
URL: <https://ctan.org/pkg/grnumalt>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/grnumalt>
- *The grtimes package. Typeset Greek text with Times New Roman Greek.* 2019-06-21. Version 1.0. LICENSE: other-nonfree  
URL: <https://ctan.org/pkg/grtimes>  
MIRROR: <https://mirror.ctan.org/fonts/greek/grtimes>
- *The grverb package. Typesetting Greek verbatim.* 2019-06-21. Version 1.0. LICENSE: other-nonfree. The package provides verbatim typesetting, in the context of the Greek option in . The package uses the public domain font, and the font itself (in Type 1 format), metrics and a font map entry for its use are provided.  
URL: <https://ctan.org/pkg/grverb>  
MIRROR: <https://mirror.ctan.org/language/greek/grverb>
- *The hellas package. Typeset bibliographies which include Greek.* 2016-06-24. LICENSE: other-free. Hellas is a BibTeX style, based on the standard plain style, for typesetting databases that containing both Greek and non-Greek bibliographic records. For most bibliographic record types there is an equivalent record type whose name begins with the prefix . These records may have fields and in addition to the fields one might expect in a standard BibTeX record.  
URL: <https://ctan.org/pkg/hellas>  
MIRROR: <https://mirror.ctan.org/language/greek/BibTeX>
- *The linearA package. Linear A script fonts.* 2022-04-29. LICENSE: lppl  
URL: <https://ctan.org/pkg/linearA>  
MIRROR: <https://mirror.ctan.org/fonts/archaic/linearA>
- *The mf2pt3 package. Create Adobe Type 3 fonts.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/mf2pt3>  
MIRROR: <https://mirror.ctan.org/fonts/utilities/mf2pt3>
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URL: <https://ctan.org/pkg/multibbl>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/multibbl>
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URL: <https://ctan.org/pkg/ocherokee>  
MIRROR: <https://mirror.ctan.org/language/ Cherokee/ocherokee>
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URL: <https://ctan.org/pkg/oinuit>  
MIRROR: <https://mirror.ctan.org/language/inuktitut/oinuit>
- *The phaistos package. Disk of Phaistos font.* 2022-12-14. Version 1.0. LICENSE: lppl  
URL: <https://ctan.org/pkg/phaistos>  
MIRROR: <https://mirror.ctan.org/fonts/archaic/phaistos>
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URL: <https://ctan.org/pkg/staves>  
MIRROR: <https://mirror.ctan.org/language/staves>
- *The svrsymbols package. A font with symbols for use in physics texts.* 2019-02-12. Version 2.0b. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/svrsymbols>  
MIRROR: <https://mirror.ctan.org/fonts/svrsymbols>

- *The umtypewriter package. Fonts to typeset with the xgreek package.* 2022-09-18. Version 1.1. LICENSE: ofl  
URL: <https://ctan.org/pkg/umtypewriter>  
MIRROR: <https://mirror.ctan.org/fonts/umtypewriter>
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URL: <https://ctan.org/pkg/xexchangebar>  
MIRROR: <https://mirror.ctan.org/macros/xetex/latex/xexchangebar>
- *The xecyrmongolian package. Basic support for the typesetting of Cyrillic Mongolian documents using (Xe/Lua)LaTeX.* 2019-12-21. Version 1.0. LICENSE: lppl1.3c  
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MIRROR: <https://mirror.ctan.org/language/mongolian/xecyrmongolian>
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URL: <https://ctan.org/pkg/bib2gls>  
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URL: <https://ctan.org/pkg/csvtools>  
MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/csvtools>
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URL: <https://ctan.org/pkg/datatool>  
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- Talbot, Nicola. *The datatooltk package. A Java GUI for preparing datatool input*. 2018-07-06. Version 1.9. LICENSE: gpl3+  
URL: <https://ctan.org/pkg/datatooltk>  
MIRROR: <https://mirror.ctan.org/support/datatooltk>
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URL: <https://ctan.org/pkg/datetime>  
MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/datetime>

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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2>
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 URL: <https://ctan.org/pkg/datetime2-breton>  
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 URL: <https://ctan.org/pkg/datetime2-bulgarian>  
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 URL: <https://ctan.org/pkg/datetime2-catalan>  
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 URL: <https://ctan.org/pkg/datetime2-czech>  
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 URL: <https://ctan.org/pkg/datetime2-danish>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-danish>
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 URL: <https://ctan.org/pkg/datetime2-dutch>  
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 URL: <https://ctan.org/pkg/datetime2-en-fulltext>  
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 This module provides the following styles that can be set using provided by . The region not only determines the date/time format but also the time zone abbreviations if the zone mapping setting is on.  
 URL: <https://ctan.org/pkg/datetime2-english>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-english>
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 URL: <https://ctan.org/pkg/datetime2-esperanto>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-esperanto>
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 URL: <https://ctan.org/pkg/datetime2-estonian>  
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 URL: <https://ctan.org/pkg/datetime2-galician>  
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 URL: <https://ctan.org/pkg/datetime2-greek>  
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 URL: <https://ctan.org/pkg/datetime2-irish>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-irish>



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URL: <https://ctan.org/pkg/datetime2-latin>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-latin>
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URL: <https://ctan.org/pkg/datetime2-lsorbian>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-lsorbian>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-magyar>
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URL: <https://ctan.org/pkg/datetime2-spanish>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-spanish>
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URL: <https://ctan.org/pkg/datetime2-swedish>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-swedish>
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URL: <https://ctan.org/pkg/datetime2-turkish>  
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URL: <https://ctan.org/pkg/datetime2-welsh>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-welsh>
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URL: <https://ctan.org/pkg/dickimaw>  
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URL: <https://ctan.org/pkg/doipubmed>  
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URL: <https://ctan.org/pkg/flowfram>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/flowfram>
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URL: <https://ctan.org/pkg/flowframtk>  
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URL: <https://ctan.org/pkg/glossaries>  
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URL: <https://ctan.org/pkg/glossaries-accsupp>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/glossaries>
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URL: <https://ctan.org/pkg/glossaries-danish>  
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/glossaries-dutch>
- *The glossaries-english package. English language module for glossaries package.* 2016-06-24. Version 1.0. LICENSE: lppl1.3. English language module for package.  
URL: <https://ctan.org/pkg/glossaries-english>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/glossaries-english>
- *The glossaries-extra package. An extension to the glossaries package.* 2022-11-09. Version 1.50. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/glossaries-extra>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/glossaries-extra>
- *The glossaries-german package. German language module for glossaries package.* 2016-06-24. Version 1.0. LICENSE: lppl1.3. German language module for the package.  
URL: <https://ctan.org/pkg/glossaries-german>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/glossaries-german>
- *The glossaries-irish package. Irish language module for glossaries package.* 2016-06-24. Version 1.0. LICENSE: lppl1.3. Irish language module for package.  
URL: <https://ctan.org/pkg/glossaries-irish>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/glossaries-irish>
- *The glossaries-italian package. Italian language module for glossaries package.* 2016-06-24. Version 1.0. LICENSE: lppl1.3. Italian language module for package.  
URL: <https://ctan.org/pkg/glossaries-italian>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/glossaries-italian>
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URL: <https://ctan.org/pkg/glossaries-magyar>  
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/glossaries-polish>
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URL: <https://ctan.org/pkg/glossaries-portuges>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/glossaries-portuges>

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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/glossaries-serbian>
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URL: <https://ctan.org/pkg/glossaries-spanish>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/glossaries-spanish>
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URL: <https://ctan.org/pkg/glossary>  
MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/glossary>
- *The jmakepdfx package*. A Java interface to Ghostscript to convert PDF to PDF/X. 2017-04-18. Version 0.3b. LICENSE: gpl. The package provides Java GUI application that uses Ghostscript to convert PDF files to PDF/X. There is a choice of CMYK or greyscale profile. This uses Ghostscript’s setting, which is analogous to Acrobat Distiller’s “Prepress Optimized” setting.  
URL: <https://ctan.org/pkg/jmakepdfx>  
MIRROR: <https://mirror.ctan.org/support/jmakepdfx>
- *The jmlr package*. Class files for the Journal of Machine Learning Research. 2022-02-09. Version 1.30. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/jmlr>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/jmlr>
- *The MakeGlossariesGUI package*. Java GUI alternative to makeglossaries script. 2020-03-10. Version 2.2. LICENSE: gpl3. The package provides a Java GUI alternative to the makeglossaries Perl script (supplied by the package). The package was designed for people who don’t want to use the command prompt but can’t get their editor to run makeglossaries. It can also be used as a diagnostic tool when there are problems with the document glossaries.  
URL: <https://ctan.org/pkg/makeglossariesgui>  
MIRROR: <https://mirror.ctan.org/support/makeglossariesgui>
- *The mfirstuc package*. Uppercase the first letter of a word. 2022-10-18. Version 2.08. LICENSE: lppl1.3. The package provides commands that uppercases the first letter in its argument (with a check for a semantic markup command at the start of the argument), and xmakefirstuc which expands the argument before uppercasing. It also provides which applies to each word in the , where the words are separated by regular spaces. (Exceptions can be made for words that shouldn’t be converted.)  
URL: <https://ctan.org/pkg/mfirstuc>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mfirstuc>
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URL: <https://ctan.org/pkg/nlctdoc>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/nlctdoc>
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URL: <https://ctan.org/pkg/pressrelease>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pressrelease>
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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/probsoln>
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URL: <https://ctan.org/pkg/quotmark>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/quotmark>
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URL: <https://ctan.org/pkg/testidx>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/testidx>
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URL: <https://ctan.org/pkg/tex-locale>  
MIRROR: <https://mirror.ctan.org/macros/generic/tex-locale>
- Talbot, Nicola. *The texosquery package*. Cross-platform Java application to query OS information. 2020-02-04. Version 1.7. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/texosquery>  
MIRROR: <https://mirror.ctan.org/support/texosquery>
- *The tracklang package*. Language and dialect tracker. 2022-12-13. Version 1.6.1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/tracklang>  
MIRROR: <https://mirror.ctan.org/macros/generic/tracklang>

- *The venndiagram package. Creating Venn diagrams with TikZ.* 2018-06-07. Version 1.2. LICENSE: lppl  
 URL: <https://ctan.org/pkg/venndiagram>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/venndiagram>
- *The xfor package. A reimplement of the L<sup>A</sup>T<sub>E</sub>X for-loop macro.* 2016-06-24. Version 1.05. LICENSE: lppl. The package redefines the L<sup>A</sup>T<sub>E</sub>X internal macro so that the loop may be prematurely terminated. The action is akin to the C/Java statement, except that the loop does not terminate until the end of the current iteration  
 URL: <https://ctan.org/pkg/xfor>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xfor>
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 URL: <https://ctan.org/pkg/fmtcount>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fmtcount>
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 URL: <https://ctan.org/pkg/makedtx>  
 MIRROR: <https://mirror.ctan.org/support/makedtx>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/glossaries-french>
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 URL: <https://ctan.org/pkg/datetime2-italian>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-italian>
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 URL: <https://ctan.org/pkg/datetime2-german>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-german>
- Talbot, Nicola and Zunbeltz Izaola. *The datetime2-basque package. Basque language module for the datetime2 package.* 2018-03-21. Version 1.2a. LICENSE: lppl1.3. This module provides the “basque” style that can be set using provided by .  
 URL: <https://ctan.org/pkg/datetime2-basque>  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-croatian>
- Talbot, Nicola and Paul A. Patience. *The datetime2-french package. French language module for the datetime2 package.* 2020-09-21. Version 1.03. LICENSE: lppl1.3. This module provides the “french” style that can be set using provided by .  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-french>
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 URL: <https://ctan.org/pkg/datetime2-romanian>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-romanian>
- Talbot, Nicola and Sergiy M. Ponomarenko. *The datetime2-ukrainian package. Ukrainian language module for the datetime2 package.* 2018-04-15. Version 1.2a. LICENSE: lppl1.3. This module provides the “ukrainian” style that can be set using provided by .  
 URL: <https://ctan.org/pkg/datetime2-ukrainian>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-ukrainian>
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 URL: <https://ctan.org/pkg/datetime2-serbian>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/datetime2-contrib/datetime2-serbian>

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 MIRROR: <https://mirror.ctan.org/support/convbkmk>
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 URL: <https://ctan.org/pkg/upmendex>  
 MIRROR: <https://mirror.ctan.org/indexing/upmendex>
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 URL: <https://ctan.org/pkg/japanese-otf-uptex>  
 MIRROR: <https://mirror.ctan.org/macros/jptex/latex/japanese-otf>
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 URL: <https://ctan.org/pkg/figsize>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/figsize>
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 URL: <https://ctan.org/pkg/plates>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/plates>
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 URL: <https://ctan.org/pkg/jlabels>  
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 URL: <https://ctan.org/pkg/lkproof>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/lkproof>
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 URL: <https://ctan.org/pkg/cmfrak>  
 MIRROR: <https://mirror.ctan.org/fonts/gothic/cmfrak>
- *The ec-plain package. Use EC fonts in Plain T<sub>E</sub>X*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/ec-plain>  
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- Taupin, Daniel. *The hyphen-accent package. L<sup>A</sup>T<sub>E</sub>X 2.09 code for using DC fonts*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/hyphen-accent>  
 MIRROR: <https://mirror.ctan.org/language/hyphen-accent>
- *The musictex package. Typesetting music with T<sub>E</sub>X*. 2019-06-21. Version 5.20. LICENSE: noinfo. MusicT<sub>E</sub>X is a set of macros, that first demonstrated the technique of simultaneous two-dimensional typesetting as applied to music. MusicT<sub>E</sub>X has its shortcomings (notably in the area of slurs), and is now largely superseded by .



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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/smallcap>
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URL: <https://ctan.org/pkg/bubblesort>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bubblesort>
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URL: <https://ctan.org/pkg/csvmerge>  
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URL: <https://ctan.org/pkg/proofs>  
MIRROR: <https://mirror.ctan.org/macros/generic/proofs/taylor>
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MIRROR: <https://mirror.ctan.org/macros/generic/proofs/taylor/QED.sty>
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MIRROR: <https://mirror.ctan.org/macros/generic/diagrams/taylor>
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URL: <https://ctan.org/pkg/cropmarks-pt>  
MIRROR: [https://mirror.ctan.org/macros/generic/misc/CropMarks\\_pt.tex](https://mirror.ctan.org/macros/generic/misc/CropMarks_pt.tex)
- *The cropmrks package*. Add crop marks to a Plain  $\TeX$  document. 2016-06-24. Version 1.5. LICENSE: noinfo  
URL: <https://ctan.org/pkg/cropmrks>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/cropmrks.tex>
  - *The letterspacing package*. Letter spacing. 2020-04-11. LICENSE: knuth  
URL: <https://ctan.org/pkg/letterspacing>  
MIRROR: <https://mirror.ctan.org/macros/generic/misc/letterspacing.tex>
  - *The path package*. Typeset paths, making them breakable. 2016-06-24. Version 3.05. LICENSE: other-free. Defines a macro , similar to the  $\LaTeX$  , that sets the text in typewriter font and allows hyphen-less breaks at punctuation characters. The set of characters to be regarded as punctuation may be changed from the package's default.  
URL: <https://ctan.org/pkg/path>  
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 MIRROR: <https://mirror.ctan.org/info/apprendre-a-programmer-en-tex>
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 URL: <https://ctan.org/pkg/autoalign>  
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  - *The chemfig package. Draw molecules with easy syntax*. 2023-03-22. Version 1.6d. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/chemfig>  
 MIRROR: <https://mirror.ctan.org/macros/generic/chemfig>
  - *The dijkstra package. Dijkstra algorithm for  $\LaTeX$* . 2022-10-01. Version 0.13. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/dijkstra>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/dijkstra>
  - *The hlist package. Horizontal and columned lists*. 2017-08-08. Version 0.11. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/hlist>  
 MIRROR: <https://mirror.ctan.org/macros/generic/hlist>
  - *The scratch package. Draw programs like “scratch”*. 2023-03-23. Version 0.41. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/scratch>  
 MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/scratch>
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 URL: <https://ctan.org/pkg/scratch3>  
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 URL: <https://ctan.org/pkg/simplekv>  
 MIRROR: <https://mirror.ctan.org/macros/generic/simplekv>
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 URL: <https://ctan.org/pkg/spreadtab>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/spreadtab>
  - *The systeme package. Format systems of equations*. 2023-03-23. Version 0.34. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/systeme>  
 MIRROR: <https://mirror.ctan.org/macros/generic/systeme>
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 URL: <https://ctan.org/pkg/tabularcalc>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/tabularcalc>
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 URL: <https://ctan.org/pkg/alegreya>  
 MIRROR: <https://mirror.ctan.org/fonts/alegreya>
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 URL: <https://ctan.org/pkg/alkalami>  
 MIRROR: <https://mirror.ctan.org/fonts/alkalami>

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URL: <https://ctan.org/pkg/almindra>  
MIRROR: <https://mirror.ctan.org/fonts/almindra>
- *The andika package.* andika fonts with support for all L<sup>A</sup>T<sub>E</sub>X engines. 2022-09-28. Version 6.101. LICENSE: ofl,lppl  
URL: <https://ctan.org/pkg/andika>  
MIRROR: <https://mirror.ctan.org/fonts/andika>
- *The arimo package.* Arimo sans serif fonts with L<sup>A</sup>T<sub>E</sub>X support. 2022-09-28. LICENSE: apache2  
URL: <https://ctan.org/pkg/arimo>  
MIRROR: <https://mirror.ctan.org/fonts/arimo>
- *The atkinson package.* Support for the Atkinson Hyperlegible family of fonts. 2022-09-14. LICENSE: lppl,other-free  
URL: <https://ctan.org/pkg/atkinson>  
MIRROR: <https://mirror.ctan.org/fonts/atkinson>
- *The autosp package.* A Preprocessor that generates note-spacing commands for MusiX<sub>T</sub>TeX scores. 2021-01-07. LICENSE: gpl2+  
URL: <https://ctan.org/pkg/autosp>  
MIRROR: <https://mirror.ctan.org/support/autosp>
- *The biolinum-type1 package.* (pdf)L<sup>A</sup>T<sub>E</sub>X support for the Biolinum family of fonts. 2016-06-24. Version 5.3.0. LICENSE: lppl  
URL: <https://ctan.org/pkg/biolinum-type1>  
MIRROR: <https://mirror.ctan.org/obsolete/fonts/biolinum-type1>
- *The bitter package.* The Bitter family of fonts with L<sup>A</sup>T<sub>E</sub>X support. 2022-09-28. LICENSE: lppl,ofl  
URL: <https://ctan.org/pkg/bitter>  
MIRROR: <https://mirror.ctan.org/fonts/bitter>
- *The cabin package.* A humanist Sans Serif font, with L<sup>A</sup>T<sub>E</sub>X support. 2022-12-25. LICENSE: ofl,lppl  
URL: <https://ctan.org/pkg/cabin>  
MIRROR: <https://mirror.ctan.org/fonts/cabin>
- *The caladea package.* Support for the Caladea family of fonts. 2022-09-29. LICENSE: apache2,lppl  
URL: <https://ctan.org/pkg/caladea>  
MIRROR: <https://mirror.ctan.org/fonts/caladea>
- *The carlito package.* Support for Carlito sans-serif fonts. 2022-10-05. LICENSE: ofl  
URL: <https://ctan.org/pkg/carlito>  
MIRROR: <https://mirror.ctan.org/fonts/carlito>
- *The CharisSIL package.* CharisSIL fonts with support for all L<sup>A</sup>T<sub>E</sub>X engines. 2022-11-12. Version 6.101. LICENSE: ofl,lppl  
URL: <https://ctan.org/pkg/charissil>  
MIRROR: <https://mirror.ctan.org/fonts/charissil>
- *The cinzel package.* L<sup>A</sup>T<sub>E</sub>X support for Cinzel and Cinzel Decorative fonts. 2022-09-29. LICENSE: ofl,lppl. Cinzel and Cinzel Decorative fonts, designed by Natanael Gama ), find their inspiration in first century roman inscriptions, and are based on classical proportions. Cinzel is all-caps (similar to and Michelangelo), but is available in three weights (Regular, Bold, Black). There are no italic fonts, but there are Decorative variants, which can be selected by the usual italic-selection commands in the package's L<sup>A</sup>T<sub>E</sub>X support.  
URL: <https://ctan.org/pkg/cinzel>  
MIRROR: <https://mirror.ctan.org/fonts/cinzel>
- *The classico package.* URW Classico fonts. 2022-09-30. LICENSE: nocommercial  
URL: <https://ctan.org/pkg/classico>  
MIRROR: <https://mirror.ctan.org/fonts/urw/classico>
- *The clearsans package.* Clear Sans fonts with L<sup>A</sup>T<sub>E</sub>X support. 2022-09-15. LICENSE: apache2,lppl  
URL: <https://ctan.org/pkg/clearsans>  
MIRROR: <https://mirror.ctan.org/fonts/clearsans>
- *The coelacanth package.* Coelacanth fonts with L<sup>A</sup>T<sub>E</sub>X support. 2022-09-30. Version 0.005. LICENSE: ofl,lppl  
URL: <https://ctan.org/pkg/coelacanth>  
MIRROR: <https://mirror.ctan.org/fonts/coelacanth>
- *The cooperhewitt package.* La<sub>T</sub>E<sub>X</sub>, pdfLa<sub>T</sub>E<sub>X</sub>, Xe<sub>L</sub>A<sub>T</sub>E<sub>X</sub> and LuaL<sup>A</sup>T<sub>E</sub>X support for the Cooper Hewitt family of sans serif fonts. 2022-11-03. LICENSE: ofl,lppl  
URL: <https://ctan.org/pkg/cooperhewitt>  
MIRROR: <https://mirror.ctan.org/fonts/cooperhewitt>
- Tennent, Bob. *The CormorantGaramond package.* Cormorant Garamond family of fonts. 2022-09-16. Version 3.601. LICENSE: ofl,lppl  
URL: <https://ctan.org/pkg/cormorantgaramond>  
MIRROR: <https://mirror.ctan.org/fonts/cormorantgaramond>

- *The crimson package. Crimson fonts with L<sup>A</sup>T<sub>E</sub>X support.* 2022-09-30. LICENSE: ofl,lppl  
 URL: <https://ctan.org/pkg/crimson>  
 MIRROR: <https://mirror.ctan.org/fonts/crimson>
- *The CrimsonPro package. CrimsonPro fonts with L<sup>A</sup>T<sub>E</sub>X support.* 2022-09-30. LICENSE: ofl,lppl. The CrimsonPro fonts are designed by Jacques Le Bailly and derived from the designed by Sebastian Kosch. The family includes eight weights and italics for each weight.  
 URL: <https://ctan.org/pkg/crimsonpro>  
 MIRROR: <https://mirror.ctan.org/fonts/crimsonpro>
- *The ebgaramond package. L<sup>A</sup>T<sub>E</sub>X support for EBGaramond fonts.* 2023-03-19. LICENSE: ofl,lppl  
 URL: <https://ctan.org/pkg/ebgaramond>  
 MIRROR: <https://mirror.ctan.org/fonts/ebgaramond>
- *The figbas package. Mini-fonts for figured-bass notation in music.* 2016-06-24. Version 1.0.3. LICENSE: lppl  
 URL: <https://ctan.org/pkg/figbas>  
 MIRROR: <https://mirror.ctan.org/fonts/figbas>
- *The fira package. Fira fonts with L<sup>A</sup>T<sub>E</sub>X support.* 2022-09-17. Version 4.3. LICENSE: ofl,lppl  
 URL: <https://ctan.org/pkg/fira>  
 MIRROR: <https://mirror.ctan.org/fonts/fira>
- *The forum package. Forum fonts with L<sup>A</sup>T<sub>E</sub>X support.* 2022-09-30. LICENSE: ofl,lppl  
 URL: <https://ctan.org/pkg/forum>  
 MIRROR: <https://mirror.ctan.org/fonts/forum>
- *The gandhi package. Gandhi Serif and Sans fonts, with L<sup>A</sup>T<sub>E</sub>X support.* 2022-10-01. LICENSE: nosell,lppl  
 URL: <https://ctan.org/pkg/gandhi>  
 MIRROR: <https://mirror.ctan.org/fonts/gandhi>
- *The gillius package. Gillius fonts with L<sup>A</sup>T<sub>E</sub>X support.* 2022-10-30. LICENSE: gpl2+,lppl  
 URL: <https://ctan.org/pkg/gillius>  
 MIRROR: <https://mirror.ctan.org/fonts/gillius>
- *The gofonts package. GoSans and GoMono fonts with L<sup>A</sup>T<sub>E</sub>X support.* 2022-09-12. LICENSE: other-free,lppl  
 URL: <https://ctan.org/pkg/gofonts>  
 MIRROR: <https://mirror.ctan.org/fonts/gofonts>
- *The ibarra package. L<sup>A</sup>T<sub>E</sub>X support for the Ibarra Real Nova family of fonts.* 2022-10-01. LICENSE: ofl,lppl  
 URL: <https://ctan.org/pkg/ibarra>  
 MIRROR: <https://mirror.ctan.org/fonts/ibarra>
- *The imfellEnglish package. IM Fell English fonts with L<sup>A</sup>T<sub>E</sub>X support.* 2022-10-01. LICENSE: ofl  
 URL: <https://ctan.org/pkg/imfellenglish>  
 MIRROR: <https://mirror.ctan.org/fonts/imfellenglish>
- *The imfellflowers package. IM Fell Flower OpenType fonts.* 2019-10-14. LICENSE: nosell  
 URL: <https://ctan.org/pkg/imfellflowers>  
 MIRROR: <https://mirror.ctan.org/fonts/imfellflowers>
- *The josefin package. Josefin fonts with L<sup>A</sup>T<sub>E</sub>X support.* 2022-10-01. LICENSE: ofl,lppl  
 URL: <https://ctan.org/pkg/josefin>  
 MIRROR: <https://mirror.ctan.org/fonts/josefin>
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 URL: <https://ctan.org/pkg/libertine>  
 MIRROR: <https://mirror.ctan.org/fonts/libertine>
- *The libertine-type1 package. (pdf)L<sup>A</sup>T<sub>E</sub>X support for the Libertine family of fonts.* 2016-06-24. Version 5.3.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/libertine-type1>  
 MIRROR: <https://mirror.ctan.org/obsolete/fonts/libertine-type1>
- *The libertinus-type1 package. Support for using Libertinus fonts with L<sup>A</sup>T<sub>E</sub>X/pdfLaTeX.* 2022-11-07. LICENSE: gpl2,ofl,lppl  
 URL: <https://ctan.org/pkg/libertinus-type1>  
 MIRROR: <https://mirror.ctan.org/fonts/libertinus-type1>
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 URL: <https://ctan.org/pkg/librebaskerville>  
 MIRROR: <https://mirror.ctan.org/fonts/librebaskerville>
- *The librebodoni package. Libre Bodoni fonts with L<sup>A</sup>T<sub>E</sub>X support.* 2022-09-18. LICENSE: ofl,lppl  
 URL: <https://ctan.org/pkg/librebodoni>  
 MIRROR: <https://mirror.ctan.org/fonts/librebodoni>

- *The librecaslon package. Libre Caslon fonts, with L<sup>A</sup>T<sub>E</sub>X support.* 2022-09-18. LICENSE: ofl,lppl  
URL: <https://ctan.org/pkg/librecaslon>  
MIRROR: <https://mirror.ctan.org/fonts/librecaslon>
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URL: <https://ctan.org/pkg/librefranklin>  
MIRROR: <https://mirror.ctan.org/fonts/librefranklin>
- *The linguisticspro package. LinguisticsPro fonts with L<sup>A</sup>T<sub>E</sub>X support.* 2022-10-28. LICENSE: lppl,ofl  
URL: <https://ctan.org/pkg/linguisticspro>  
MIRROR: <https://mirror.ctan.org/fonts/linguisticspro>
- *The lobster2 package. Lobster Two fonts, with support for all L<sup>A</sup>T<sub>E</sub>X engines.* 2022-09-19. LICENSE: ofl,lppl  
URL: <https://ctan.org/pkg/lobster2>  
MIRROR: <https://mirror.ctan.org/fonts/lobster2>
- *The Marcellus package. Marcellus fonts with L<sup>A</sup>T<sub>E</sub>X support.* 2022-09-20. LICENSE: ofl,lppl. This package provides L<sup>A</sup>T<sub>E</sub>X, pdfLaTeX, XeL<sup>A</sup>T<sub>E</sub>X and LuaLaTeX support for the Marcellus family of fonts, designed by Brian J. Bonislowsky. Marcellus is a flared-serif family, inspired by classic Roman inscription letterforms. There is currently just a regular weight and small-caps. The regular weight will be silently substituted for bold.  
URL: <https://ctan.org/pkg/marcellus>  
MIRROR: <https://mirror.ctan.org/fonts/marcellus>
- *The merriweather package. Merriweather and MerriweatherSans fonts, with L<sup>A</sup>T<sub>E</sub>X support.* 2022-09-20. LICENSE: ofl,lppl  
URL: <https://ctan.org/pkg/merriweather>  
MIRROR: <https://mirror.ctan.org/fonts/merriweather>
- *The mintspirit package. L<sup>A</sup>T<sub>E</sub>X support for MintSpirit font families.* 2022-09-22. LICENSE: ofl,lppl. The package provides , , and support for the MintSpirit and MintSpiritNo2 families of fonts, designed by Hirwen Harendal. MintSpirit was originally designed for use as a system font on a Linux Mint system. The No. 2 variant provides more conventional shapes for some glyphs.  
URL: <https://ctan.org/pkg/mintspirit>  
MIRROR: <https://mirror.ctan.org/fonts/mintspirit>
- *The musixtnt package. A MusiXTeX extension library that enables transformations of the effect of notes commands.* 2016-06-24. LICENSE: gpl2  
URL: <https://ctan.org/pkg/musixtnt>  
MIRROR: <https://mirror.ctan.org/macros/musixtnt>
- *The mweights package. Support for multiple-weight font packages.* 2020-01-23. LICENSE: lppl  
URL: <https://ctan.org/pkg/mweights>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mweights>
- *The noto package. Support for Noto fonts.* 2022-09-11. LICENSE: lppl,ofl  
URL: <https://ctan.org/pkg/noto>  
MIRROR: <https://mirror.ctan.org/fonts/noto>
- *The notocondensed package. Support for the condensed variants of the Noto fonts.* 2022-09-11. LICENSE: ofl,lppl  
URL: <https://ctan.org/pkg/notocondensed>  
MIRROR: <https://mirror.ctan.org/fonts/notocondensed>
- *The OldStandardT1 package. Type 1 versions of Old Standard fonts with L<sup>A</sup>T<sub>E</sub>X support.* 2018-01-07. LICENSE: ofl  
URL: <https://ctan.org/pkg/oldstandardt1>  
MIRROR: <https://mirror.ctan.org/obsolete/fonts/oldstandardt1>
- *The overlock package. Overlock sans fonts with L<sup>A</sup>T<sub>E</sub>X support.* 2022-09-23. LICENSE: ofl. The package provides the Overlock and OverlockSC families of fonts, designed by Dario Manuel Muhafara of the (<http://www.tipo.net.ar>), “rounded” sans-serif fonts in three weights (Regular, Bold, Black) with italic variants for each of them. There are also small-caps and old-style figures in the Regular weight.  
URL: <https://ctan.org/pkg/overlock>  
MIRROR: <https://mirror.ctan.org/fonts/overlock>
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URL: <https://ctan.org/pkg/padauk>  
MIRROR: <https://mirror.ctan.org/fonts/padauk>
- Tennent, Bob. *The playfair package. Playfair Display fonts with L<sup>A</sup>T<sub>E</sub>X support.* 2022-10-28. LICENSE: ofl,lppl  
URL: <https://ctan.org/pkg/playfair>  
MIRROR: <https://mirror.ctan.org/fonts/playfair>

- *The plex package*. Support for IBM Plex fonts. 2022-09-23. LICENSE: ofl,lppl  
URL: <https://ctan.org/pkg/plex>  
MIRROR: <https://mirror.ctan.org/fonts/plex>
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URL: <https://ctan.org/pkg/poiretone>  
MIRROR: <https://mirror.ctan.org/fonts/poiretone>
- *The prerex package*. Interactive editor and macro support for prerequisite charts. 2021-11-20. LICENSE: gpl2,lppl  
URL: <https://ctan.org/pkg/prerex>  
MIRROR: <https://mirror.ctan.org/graphics/prerex>
- *The quattroceto package*. Quattroceto and Quattroceto Sans fonts with L<sup>A</sup>T<sub>E</sub>X support. 2022-09-13. LICENSE: ofl,lppl  
URL: <https://ctan.org/pkg/quattroceto>  
MIRROR: <https://mirror.ctan.org/fonts/quattroceto>
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URL: <https://ctan.org/pkg/roboto>  
MIRROR: <https://mirror.ctan.org/fonts/roboto>
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URL: <https://ctan.org/pkg/spectral>  
MIRROR: <https://mirror.ctan.org/fonts/spectral>
- *The texlive-dummy-enterprise-linux package*. Dummy T<sub>E</sub>X Live RPM for use with RHEL 6 and derived distributions. 2016-06-24. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/texlive-dummy-enterprise-linux>  
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MIRROR: <https://mirror.ctan.org/support/texlive/texlive-dummy/EnterpriseLinux-7>
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URL: <https://ctan.org/pkg/texlive-dummy-enterprise-linux-8>  
MIRROR: <https://mirror.ctan.org/support/texlive/texlive-dummy/EnterpriseLinux-8>
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URL: <https://ctan.org/pkg/theanodidot>  
MIRROR: <https://mirror.ctan.org/fonts/theanodidot>
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URL: <https://ctan.org/pkg/theanomodern>  
MIRROR: <https://mirror.ctan.org/fonts/theanomodern>
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MIRROR: <https://mirror.ctan.org/fonts/theanooldstyle>
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URL: <https://ctan.org/pkg/tinos>  
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 MIRROR: <https://mirror.ctan.org/support/m-tx>
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- Tex, Ajabu. *The TrY package. Automation of T<sub>E</sub>X/L<sup>A</sup>T<sub>E</sub>X compilation.* 2016-06-24. Version 4.0. LICENSE: lppl1.3. The package offers a script that automates the compilation of T<sub>E</sub>X/L<sup>A</sup>T<sub>E</sub>X documents. TrY reads commands from the comment lines of the document and executes them automatically. TrY may be compared to , but is simpler. TrY has been written for Linux and works on Linux.  
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 MIRROR: <https://mirror.ctan.org/support/try>
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 URL: <https://ctan.org/pkg/abbr>  
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 MIRROR: <https://mirror.ctan.org/language/korean/HLaTeX>
- *The uhc package. Fonts for the Korean language*. 2017-06-19. LICENSE: lppl  
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  - *The unfonts-core package. TrueType version of Un-fonts*. 2020-09-03. LICENSE: gpl2  
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 MIRROR: <https://mirror.ctan.org/fonts/unfonts-extra>
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xytree>
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 URL: <https://ctan.org/pkg/cropmark-pu>  
 MIRROR: <https://mirror.ctan.org/macros/generic/misc/cropmark.tex>
- *The pagereference package. Labels and references in Plain T<sub>E</sub>X*. 2020-04-11. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/pagereference>  
 MIRROR: <https://mirror.ctan.org/macros/generic/misc/pagereference.tex>
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 URL: <https://ctan.org/pkg/aalok>  
 MIRROR: <https://mirror.ctan.org/macros/unicodetex/latex/aalok>
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 URL: <https://ctan.org/pkg/acs>  
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  - *The adobe-euro package. Metric and map files for the Adobe Euro fonts*. 2018-06-05. LICENSE: other-free  
 URL: <https://ctan.org/pkg/adobe-euro>  
 MIRROR: <https://mirror.ctan.org/fonts/adobe-euro>
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 URL: <https://ctan.org/pkg/annotate>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/misc/annotate.bst>
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 URL: <https://ctan.org/pkg/annotation>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/misc/annotation.bst>
  - *The appelt-chess package. Chess board macros using standard fonts*. 2016-06-24. LICENSE: noinfo. The package provides the means of printing chess boards with a more-or-less appropriate selection of glyphs from the computer modern fonts; the macros and allow the progress of a game to be notated and printed.  
 URL: <https://ctan.org/pkg/appelt-chess>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/appelt-chess.tex>
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 URL: <https://ctan.org/pkg/association-matrix>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/association-matrix>
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 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/astyped.sty>
  - *The asymptote-by-example-zh-cn package. Asymptote by example*. 2021-12-29. LICENSE: gpl  
 URL: <https://ctan.org/pkg/asymptote-by-example-zh-cn>  
 MIRROR: <https://mirror.ctan.org/info/asymptote-by-example-zh-cn>
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 URL: <https://ctan.org/pkg/asymptote-faq-zh-cn>  
 MIRROR: <https://mirror.ctan.org/info/asymptote-faq-zh-cn>

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URL: <https://ctan.org/pkg/asymptote-manual-zh-cn>  
MIRROR: <https://mirror.ctan.org/info/asymptote-manual-zh-cn>
- *The automagic package. Automagic numbering in Plain T<sub>E</sub>X.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/automagic>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/automagic.tex>
  - *The autotoc package. Table of contents in Plain T<sub>E</sub>X.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/autotoc>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/autotoc.tex>
  - *The balanced package. Balance double-column sections in L<sup>A</sup>T<sub>E</sub>X.* 2016-06-24. LICENSE: noinfo. Defines a twocolumns environment that can be used anywhere in a one-column document. The environment may start and finish mid-page, and columns are always balanced. Inserts are not supported (so no or floats).  
URL: <https://ctan.org/pkg/balanced>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/balanced.sty>
  - *The baum package. Trees, using PicTeX.* 2016-06-24. LICENSE: noinfo. The package draws trees, using . There is no documentation, but the distribution contains an example file that makes usage fairly clear.  
URL: <https://ctan.org/pkg/baum>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/baum>
  - *The beamertheme-tcolorbox package. A beamer inner theme which reproduces standard beamer blocks using tcolorboxes.* 2022-09-14. Version 0.5. LICENSE: lpl1.3c. This package provides an inner theme for beamer which reproduces standard beamer blocks using es. The look and feel (rounded/sharp corners, shadows and colours) will automatically adapt to which other themes are loaded.  
URL: <https://ctan.org/pkg/beamertheme-tcolorbox>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/beamer-contrib/themes/beamertheme-tcolorbox>
  - *The bitstrea package. Support for use of Bitstream fonts.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/bitstrea>  
MIRROR: <https://mirror.ctan.org/fonts/psfonts/bitstrea>
  - *The blackletter package. A blackletter font.* 2016-06-24. LICENSE: noinfo  
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MIRROR: <https://mirror.ctan.org/fonts/blackletter>
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URL: <https://ctan.org/pkg/bmstu-iu8>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bmstu-iu8>
  - *The book-examples package. A collection of examples from published T<sub>E</sub>X-related books.* 2016-06-24. LICENSE: collection  
URL: <https://ctan.org/pkg/book-examples>
  - *The boxit package. Draw a box around a text.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/boxit>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/boxit.tex>
  - *The BUCTthesis package. Beijing University of Chemical Technology Thesis Template.* 2022-07-29. Version 1.4.1. LICENSE: lpl1.3c  
URL: <https://ctan.org/pkg/buctthesis>  
MIRROR: <https://mirror.ctan.org/macros/xetex/latex/buctthesis>
  - *The cdcmd package. Expandable conditional commands for L<sup>A</sup>T<sub>E</sub>X.* 2021-10-15. Version 1.0. LICENSE: lpl1.3c. This package provides some conditional commands, just like the package. The difference is that can define conditional commands.  
URL: <https://ctan.org/pkg/cdcmd>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cdcmd>
  - *The chhaya package. Linguistic glossing in Marathi language.* 2022-01-21. Version 0.4. LICENSE: gpl3+,other-free,fdl  
URL: <https://ctan.org/pkg/chhaya>  
MIRROR: <https://mirror.ctan.org/macros/unicodetex/latex/chhaya>
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URL: <https://ctan.org/pkg/chinese-jfm>  
MIRROR: <https://mirror.ctan.org/macros/luatex/generic/chinese-jfm>

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 URL: <https://ctan.org/pkg/cmastro>  
 MIRROR: <https://mirror.ctan.org/fonts/cmastro>
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 URL: <https://ctan.org/pkg/committee-font>  
 MIRROR: <https://mirror.ctan.org/fonts/unsupported/committee>
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 URL: <https://ctan.org/pkg/csname-doc>  
 MIRROR: <https://mirror.ctan.org/info/plain-doc/csname.txt>
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 URL: <https://ctan.org/pkg/czhyph>  
 MIRROR: <https://mirror.ctan.org/language/hyphenation/czhyph.tex>
  - *The datestamp package. Fixed date-stamps with LuaLaTeX.* 2021-12-15. Version 0.3. LICENSE: gpl3+,fdl  
 URL: <https://ctan.org/pkg/datestamp>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/latex/datestamp>
  - *The deflist package. A variation on the description environment.* 2016-06-24. LICENSE: noinfo. The command evnironment takes an argument, whose width is taken as the maximum width of labels in a -like environment  
 URL: <https://ctan.org/pkg/deflist>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/deflist.sty>
  - *The defstring package. Define macros as verbatim macros.* 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/defstring>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/defstring.tex>
  - *The devanagari-omega package. Typeset Devanagari with Omega.* 2016-06-18. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/devanagari-omega>  
 MIRROR: <https://mirror.ctan.org/language/devanagari/omega>
  - *The dmhgener package. Equation, figure (etc.) numbering and referencing.* 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/dmhgener>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/dmhgener.tex>
  - *The doublecol package. Double-column page macros for Plain T<sub>E</sub>X.* 2016-06-24. LICENSE: noinfo. These macros are derived from Knuth's macros (separately), by an unknown hand.  
 URL: <https://ctan.org/pkg/doublecol>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/doublecol.tex>
  - *The doullossil package. A font for typesetting the International Phonetic Alphabet (IPA).* 2022-05-06. Version 0.1. LICENSE: ofl  
 URL: <https://ctan.org/pkg/doullossil>  
 MIRROR: <https://mirror.ctan.org/fonts/doullossil>
  - *The dow package. Calculate day of week from a numeric date.* 2020-04-11. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/dow>  
 MIRROR: <https://mirror.ctan.org/macros/generic/misc/dow.tex>
  - *The dviconcat package. Concatenates DVI files.* 2016-06-18. LICENSE: other-free  
 URL: <https://ctan.org/pkg/dviconcat>  
 MIRROR: <https://mirror.ctan.org/dviware/dvibook/Dviconcat>
  - *The dvips-shell package. A dvips Shell for MS-Windows32.* 2016-06-24. LICENSE: nosource. The shell apparently helps you remember what you have forgotten about features.  
 URL: <https://ctan.org/pkg/dvips-shell>  
 MIRROR: <https://mirror.ctan.org/systems/win32/util/dvpsh103.exe>
  - *The eczar package. A font family supporting Devanagari and Latin script.* 2021-04-28. Version 0.1. LICENSE: ofl  
 URL: <https://ctan.org/pkg/eczar>  
 MIRROR: <https://mirror.ctan.org/fonts/eczar>
  - *The EkType-Tanka package. Devanagari fonts by EkType.* 2022-05-06. Version 0.2. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/ektype-tanka>  
 MIRROR: <https://mirror.ctan.org/fonts/ektype-tanka>
  - *The endnote package. Generic "endnotes" code.* 2020-04-11. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/endnote>  
 MIRROR: <https://mirror.ctan.org/macros/generic/misc/endnote.tex>
  - *The espo package. Customisation for Esperanto.* 2016-06-24. LICENSE: noinfo. The package provides a modest set of macros for use in Esperanto documents. The package provides a wider set of macros.



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MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/espo.sty>
- Unknown. *The fakebold package. A simple macro for faking bold fonts.* 2020-04-11. LICENSE: noinfo  
URL: <https://ctan.org/pkg/fakebold>  
MIRROR: <https://mirror.ctan.org/macros/generic/misc/fakebold.tex>
- *The fnote package. Auto-numbered footnotes in Plain T<sub>E</sub>X.* 2016-06-18. LICENSE: noinfo  
URL: <https://ctan.org/pkg/fnote>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/fnote.tex>
  - *The frenchquote package. Make something like guillemets.* 2016-06-24. LICENSE: noinfo. The package defines and which construct objects vaguely like the french quote marks “guillemets”, from small versions of the maths symbols and .  
URL: <https://ctan.org/pkg/frenchquote>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/frenchquote.sty>
  - *The germdoc package. A collection of documentation available in German.* 2019-06-21. LICENSE: collection  
URL: <https://ctan.org/pkg/germdoc>
  - *The gfdl package. Support for using GFDL in L<sup>A</sup>T<sub>E</sub>X.* 2023-01-07. Version 0.1. LICENSE: gpl3+,fdl  
URL: <https://ctan.org/pkg/gfdl>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/gfdl>
  - *The hackalloc package. Make allocations local.* 2016-06-24. LICENSE: noinfo. The package makes allocation (, , etc.) local.  
URL: <https://ctan.org/pkg/hackalloc>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/hackalloc.sty>
  - *The hep-gen package. Generic macros for quantum physics.* 2020-04-11. LICENSE: noinfo  
URL: <https://ctan.org/pkg/hep-gen>  
MIRROR: <https://mirror.ctan.org/macros/generic/misc/hep.tex>
  - *The hereapplies package. A L<sup>A</sup>T<sub>E</sub>X package for referencing groups of pages that share something in common.* 2022-12-11. Version 1.0.1. LICENSE: gpl3+. is a L<sup>A</sup>T<sub>E</sub>X package that allows to collect groups of labels and reference them altogether. It can be used for creating informal glossaries that cross-link concepts to their applications, or simply mentioning multiple pages that share something in common.  
URL: <https://ctan.org/pkg/hereapplies>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hereapplies>
  - *The hge package. An “Old English” font.* 2022-04-06. LICENSE: noinfo  
URL: <https://ctan.org/pkg/hge>  
MIRROR: <https://mirror.ctan.org/fonts/hge>
  - *The histyle package. A “HighStyle” environment for T<sub>E</sub>X.* 2016-06-24. Version 1.2. LICENSE: noinfo  
URL: <https://ctan.org/pkg/histyle>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/histyle>
  - *The hp2xx package. HP GL converter.* 2017-04-18. Version 3.4.4. LICENSE: gpl  
URL: <https://ctan.org/pkg/hp2xx>  
MIRROR: <https://mirror.ctan.org/support/hp2xx>
  - *The hwemoji package. Unicode emoji support for pdfL<sup>A</sup>T<sub>E</sub>X with sequences.* 2022-11-16. Version 1.0. LICENSE: lppl1.3c,cc-by-4  
URL: <https://ctan.org/pkg/hwemoji>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hwemoji>
  - *The indent package. Environments that change margins.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/indent>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/indent.sty>
  - *The invertedparagraphs package. Indented text with negative paragraph indentation.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/invertedparagraphs>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/invertedparagraphs.tex>
  - *The isolatin1 package. An obsolete means to use ISO 8859-1 with T<sub>E</sub>X.* 2016-06-24. Version 0.9. LICENSE: noinfo  
URL: <https://ctan.org/pkg/isolatin1>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/isolatin1.sty>
  - *The ist21 package. Title page for the old BSI IST/21 committee.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/ist21>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/ist21.sty>
  - *The japanese-mathformulas package. Compiling basic math formulas in Japanese using LuaL<sup>A</sup>T<sub>E</sub>X.* 2022-10-10. Version 1.0.2. LICENSE: lppl1.3c

- URL: <https://ctan.org/pkg/japanese-mathformulas>  
MIRROR: <https://mirror.ctan.org/macros/luatex/latex/japanese-mathformulas>
- Unknown. *The JavaBib package. A BibTeX file manager written in Java.* 2016-06-24. Version III. LICENSE: noinfo  
URL: <https://ctan.org/pkg/javabib>  
MIRROR: <https://mirror.ctan.org/biblio/bibtex/utils/JavaBib>
- *The jigsaw package. Draw jigsaw pieces with TikZ.* 2023-02-21. Version 0.4. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/jigsaw>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/jigsaw>
  - *The karta package. Cartographic signs.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/karta>  
MIRROR: <https://mirror.ctan.org/fonts/karta>
  - *The label-pln package. Print address labels in three columns.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/label-pln>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/label.tex>
  - *The laps package. Zero-width boxes for annotations, etc.* 2020-04-11. LICENSE: noinfo. Provides macros extends the / set in Plain  $\TeX$ :  
URL: <https://ctan.org/pkg/laps>  
MIRROR: <https://mirror.ctan.org/macros/generic/misc/laps.tex>
  - *The letter-plain package. Letter macros for Plain  $\TeX$ .* 2021-03-09. LICENSE: noinfo. These macros would seem to be used by Knuth himself (a with a slightly different default address may be found in the CTAN copy of of macros).  
URL: <https://ctan.org/pkg/letter-plain>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/letter.tex>
  - *The letter1 package. Letter formatting macros.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/letter1>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/letter1>
  - *The llncs209 package. Macros for Springer books.* 2016-06-24. Version 1.1. LICENSE: noinfo  
URL: <https://ctan.org/pkg/llncs209>  
MIRROR: <https://mirror.ctan.org/obsolete/macros/latex209/contrib/springer/llncs>
  - *The longtocline package. Macros to produce a table of contents.* 2016-06-24. LICENSE: noinfo. Defines a macro (3 arguments) that produces a table of contents line rather similar to that provided as standard in  $\LaTeX$ .  
URL: <https://ctan.org/pkg/longtocline>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/longtocline.tex>
  - *The ltxmisc package. Miscellaneous  $\LaTeX$  packages, etc.* 2016-06-18. LICENSE: collection  
URL: <https://ctan.org/pkg/ltxmisc>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/misc>
  - *The mandel package. Compute the Mandelbrot set.* 2020-04-11. LICENSE: noinfo  
URL: <https://ctan.org/pkg/mandel>  
MIRROR: <https://mirror.ctan.org/macros/generic/misc/mandel.tex>
  - *The maple package. Styles and examples for the MAPLE newsletter.* 2016-06-18. Version 1.8. LICENSE: noinfo  
URL: <https://ctan.org/pkg/maple>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/maple>
  - *The marathi package. Typeset Marathi language using  $X_{\text{E}}\LaTeX$  or Lua $\LaTeX$ .* 2022-01-21. Version 1.7. LICENSE: gpl3+,other-free,fdl  
URL: <https://ctan.org/pkg/marathi>  
MIRROR: <https://mirror.ctan.org/language/marathi>
  - *The mathtime-metrics package. MathTime AFM files.* 2016-06-18. LICENSE: noinfo  
URL: <https://ctan.org/pkg/mathtime-metrics>  
MIRROR: <https://mirror.ctan.org/fonts/mathtime>
  - *The maybeload package. Prevent reloading of files.* 2016-06-24. LICENSE: noinfo. Defines a command , which will become if it's called for a second or subsequent time with a particular file name.  
URL: <https://ctan.org/pkg/maybeload>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/maybeload.tex>
  - *The memo-pln package. Plain  $\TeX$  macros for memoranda.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/memo-pln>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/memo.tex>

- Unknown. *The mitpress package. Typeset documents for MIT Press.* 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/mitpress>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/misc/mitpress.sty>
- *The msx2msa package. Simulate msxm and msym fonts using msam and msbm.* 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/msx2msa>  
 MIRROR: <https://mirror.ctan.org/fonts/vf-files/msx2msa>
  - *The muling package. MA Thesis class for the Department of Linguistics, University of Mumbai.* 2022-01-21. Version 0.3. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/muling>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/muling>
  - *The namunsrt package. An unsorted BibTeX style with labels provided in the database.* 2016-06-24. LICENSE: other-free  
 URL: <https://ctan.org/pkg/namunsrt>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/misc/namunsrt.bst>
  - *The nofill package. Preserve spaces and line breaks when setting text.* 2016-06-24. LICENSE: noinfo. The commands and bracket text in which multiple spaces are not collapsed into a single space, and spaces at the start of line are preserved.  
 URL: <https://ctan.org/pkg/nofill>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/nofill.tex>
  - *The ntg package. Dutch T<sub>E</sub>X Users Group information.* 2016-06-18. LICENSE: other-free  
 URL: <https://ctan.org/pkg/ntg>  
 MIRROR: <https://mirror.ctan.org/usergrps/ntg>
  - *The NTS-L package. NTS mailing list digests.* 2016-06-24. LICENSE: digest. This bundle holds postings from the mailing list , from 1992-05 to 1995-01.  
 URL: <https://ctan.org/pkg/nts-l>  
 MIRROR: <https://mirror.ctan.org/info/digests/nts-l>
  - *The obsolete package. A tree holding obsolete software.* 2016-06-24. LICENSE: collection  
 URL: <https://ctan.org/pkg/obsolete>  
 MIRROR: <https://mirror.ctan.org/obsolete>
  - *The ovalfbox package. Boxes with frames whose corners are rounded.* 2016-06-24. LICENSE: noinfo. The package defines a command which seems more stable to the similar command in the package ; however, this package retains the problems with the positioning of multiline text in boxes.  
 URL: <https://ctan.org/pkg/ovalfbox>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/ovalfbox.sty>
  - *The paragraphs package. Paragraph "tricks" macros.* 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/paragraphs>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/paragraphs.tex>
  - *The pdfmsym package. PDF Math Symbols — various drawn mathematical symbols.* 2023-03-16. Version 1.1.1. LICENSE: mit  
 URL: <https://ctan.org/pkg/pdfmsym>  
 MIRROR: <https://mirror.ctan.org/macros/generic/pdfmsym>
  - *The plainmisc package. Miscellaneous contributed macros for plain T<sub>E</sub>X.* 2016-06-18. LICENSE: collection  
 URL: <https://ctan.org/pkg/plainmisc>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc>
  - *The plcalendar package. Plain macros for making nice calendars.* 2016-06-18. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/plcalendar>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/calendar>
  - *The plfonts package. Polish extension to Computer Modern fonts.* 2016-06-24. LICENSE: pd. Polish extension of Computer Modern fonts. These fonts are compatible with CM fonts; only Polish characters (as in EC/Cork encoding) and quotes are added. The fonts are distributed as or in .  
 URL: <https://ctan.org/pkg/plfonts>
  - *The printbib package. Print the contents of a bibliography.* 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/printbib>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/utlis/printbib>
  - *The psfonts package. PostScript fonts for use with T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X.* 2016-06-24. LICENSE: collection  
 URL: <https://ctan.org/pkg/psfonts>  
 MIRROR: <https://mirror.ctan.org/fonts/psfonts>

- Unknown. *The psnfssx-8r package. Raw Type 1 fonts with L<sup>A</sup>T<sub>E</sub>X*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/psnfssx-8r>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/psnfssx/8r/8r.sty>
- *The qms package. VMS tools for controlling QMS printers*. 2016-06-18. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/qms>  
 MIRROR: <https://mirror.ctan.org/dviware/qms>
  - *The quotation package. Typeset an attributed quotation*. 2016-06-24. LICENSE: noinfo. takes two arguments, the quotation itself, and the attribution. The quotation is set as a page-wide , so placement of commands may be useful for best appearance.  
 URL: <https://ctan.org/pkg/quotation>  
 MIRROR: <https://mirror.ctan.org/macros/generic/misc/quotation.tex>
  - *The redefine package. Conditional macro, etc., definitions*. 2016-06-24. LICENSE: noinfo. Defines commands , and that warn the user if a command is redefined using them (if operating under L<sup>A</sup>T<sub>E</sub>X, is similarly modified). In addition , , , are modified to detect an error if a conditional or register name is reused.  
 URL: <https://ctan.org/pkg/redefine>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/redefine.tex>
  - *The rotate package. Rotate T<sub>E</sub>X boxes*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/rotate>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/rotate.tex>
  - *The samples package. Samples of Plain T<sub>E</sub>X coding*. 2016-06-24. LICENSE: collection  
 URL: <https://ctan.org/pkg/samples>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/samples>
  - *The sc21 package. Title page for the old ISO TC97/SC21 committee*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/sc21>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/sc21.sty>
  - *The sc21-wg1 package. Title page for the old ISO TC97/SC21/WG1 working group*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/sc21-wg1>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/sc21-wg1.sty>
  - *The screen package. Prepare a document for a simple previewer*. 2016-06-24. LICENSE: noinfo. A small package designed to set geometry to prepare a (L<sup>A</sup>T<sub>E</sub>X 2.09) document for viewing with something like .  
 URL: <https://ctan.org/pkg/screen>  
 MIRROR: <https://mirror.ctan.org/dviware/screenview/vms/screen.sty>
  - *The sentences package. Numbered lists for sentences*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/sentences>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/sentences.tex>
  - *The sfwmac package. A set of definitions for Unix system documentation*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/sfwmac>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/sfwmac.sty>
  - *The sshdbk10 package. Sans headers in book style*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/sshdbk10>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/sshdbk10.sty>
  - *The tabbingbox package. Save a tabbing environment in a box*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/tabbingbox>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/tabbingbox.tex>
  - *The texcad32 package. Win32 drawing package for mathematical diagrams*. 2020-01-19. Version 4.4.1.6. LICENSE: lppl. Texcad32 is one of a number of clones/developments of the DOS program Texcad. Texcad32 can output either to a file of special commands, or to PostScript.  
 URL: <https://ctan.org/pkg/texcad32>  
 MIRROR: <https://mirror.ctan.org/graphics/texcad32>
  - *The Texhax package. Digests of a general T<sub>E</sub>X mailing list*. 2021-08-26. LICENSE: pd  
 URL: <https://ctan.org/pkg/texhax>  
 MIRROR: <https://mirror.ctan.org/info/digests/texhax>
  - *The texindex package. Simple indexing using standard Unix commands*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/texindex>  
 MIRROR: <https://mirror.ctan.org/indexing/texindex>
  - *The tgrind209 package. Support tgrind in L<sup>A</sup>T<sub>E</sub>X 2.09*. 2016-06-24. LICENSE: noinfo. A development of the file (in the distribution), for use with L<sup>A</sup>T<sub>E</sub>X 2.09.

- URL: <https://ctan.org/pkg/tgrind209>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/tgrind.sty>
- Unknown. *The thirteen package. Print dates of Friday 13th days.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/thirteen>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/thirteen.tex>
- *The threecol package. Three-column newsletter output.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/threecol>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/threecol.tex>
  - *The tikz-bbox package. Precise determination of bounding boxes in TikZ.* 2021-01-18. Version 0.1. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/tikz-bbox>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikz-bbox>
  - *The tikz-ext package. A collection of libraries for PGF/TikZ.* 2023-03-15. Version 0.5. LICENSE: fdl,lppl  
URL: <https://ctan.org/pkg/tikz-ext>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikz-ext>
  - *The TikZbricks package. Drawing bricks with TikZ.* 2019-09-02. Version 0.4. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/tikzbricks>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikzbricks>
  - *The TikZducks package. A little fun package for using rubber ducks in TikZ.* 2020-06-30. Version 1.5. LICENSE: lppl1.3c. The package is a L<sup>A</sup>T<sub>E</sub>X package for ducks to be used in TikZ pictures. This project is a continuation of an answer at StackExchange  
URL: <https://ctan.org/pkg/tikzducks>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikzducks>
  - *The TikZlings package. A collection of cute little animals and similar creatures.* 2022-06-17. Version 1.0. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/tikzlings>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikzlings>
  - *The TikZmarmots package. Drawing little marmots in TikZ.* 2019-09-02. Version 1.0. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/tikzmarmots>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikzmarmots>
  - *The tikztosvg package. A utility for rendering TikZ diagrams to SVG.* 2021-08-20. Version 0.3.0. LICENSE: gpl3. This package provides a shell script that calls and to convert environments to SVG files.  
URL: <https://ctan.org/pkg/tikztosvg>  
MIRROR: <https://mirror.ctan.org/support/tikztosvg>
  - *The timeline package. Typeset time-lines, for planning, etc.* 2016-06-24. LICENSE: noinfo. Defines a environment, in which one places a bunch of s. A small sample of use is provided.  
URL: <https://ctan.org/pkg/timeline>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/timeline>
  - *The tipauni package. Producing Unicode characters with TIPA commands.* 2023-02-13. Version 0.7a. LICENSE: gpl3+,fdl  
URL: <https://ctan.org/pkg/tipauni>  
MIRROR: <https://mirror.ctan.org/macros/unicodetex/latex/tipauni>
  - *The toc package. Table of contents macros for Plain T<sub>E</sub>X.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/toc>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/samples/toc.tex>
  - *The trademarks package. A collection of trademarks and the like.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/trademarks>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/trademarks.sty>
  - *The twoside package. Two-side typesetting in Plain T<sub>E</sub>X.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/twoside>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/2side.tex>
  - *The UK-TeX package. The UK T<sub>E</sub>X digest.* 2016-06-24. LICENSE: pd  
URL: <https://ctan.org/pkg/uktex>  
MIRROR: <https://mirror.ctan.org/info/digests/uktex>
  - *The undertilde-gen package. A simple macro for placing a tilde under a character.* 2020-04-11. LICENSE: noinfo  
URL: <https://ctan.org/pkg/undertilde-gen>  
MIRROR: <https://mirror.ctan.org/macros/generic/misc/undertilde.tex>
  - *The unfinished package. Mark unfinished parts of a document.* 2016-06-24. LICENSE: noinfo. The package provides an environment convenient for marking unfinished sections of a document. The environment complains if it thinks the document is not marked as a draft (in the sense of having non-zero.



- URL: <https://ctan.org/pkg/unfinished>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/unfinished.tex>
- Unknown. *The unisc package. Unicode small caps with Lua/XeLaTeX.* 2022-04-29. Version 0.2. LICENSE: gpl3+,fdl. L<sup>A</sup>T<sub>E</sub>X produces small caps with `or` and `.`. Neither of these commands produce small caps in Unicode. If the output text is copied and pasted somewhere it shows the same characters as used in the input. This package aims to internally convert all the characters provided to the commands mentioned above. It assumes that the file using this package is compiled with Lua/XeL<sup>A</sup>T<sub>E</sub>X and a good Unicode font which has the small caps characters, e.g., `.`
- URL: <https://ctan.org/pkg/unisc>  
MIRROR: <https://mirror.ctan.org/macros/unicodetex/latex/unisc>
- *The unitipa package. TIPA typefaces with Unicode characters as input.* 2021-10-22. Version 0.4. LICENSE: gpl3+,fdl. A(n obsolete) package which used to provide a LuaLaTeX based code for converting Unicode IPA input to T3 encoded TIPA typefaces, but it is recommended to use with Xe/LuaL<sup>A</sup>T<sub>E</sub>X instead for a better output.  
URL: <https://ctan.org/pkg/unitipa>  
MIRROR: <https://mirror.ctan.org/obsolete/macros/luatex/latex/unitipa>
  - *The util-half package. A half-tone font.* 2016-07-19. LICENSE: noinfo  
URL: <https://ctan.org/pkg/util-half>  
MIRROR: <https://mirror.ctan.org/fonts/cm/utilityfonts/half>
  - *The verbatim-pln package. Define new verbatim "environments" in Plain T<sub>E</sub>X.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/verbatim-pln>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/verbatim.tex>
  - *The web9pt package. Nine-point web listings.* 2016-06-24. Version 1.0. LICENSE: noinfo. A small patch to web listing macros that uses the 9pt file from the `to` to make the body text of a web listing appear in 9pt.  
URL: <https://ctan.org/pkg/web9pt>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/web9pt.tex>
  - *The webmacss package. Use sans serif font in Web listings.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/webmacss>  
MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/webmacss.tex>
  - *The winemtex package. EmTeX for windows.* 2016-06-24. LICENSE: noinfo. A full distribution for MS-Windows98 including Ghostscript and WinEdit and preconfigured to work with T<sub>E</sub>X.  
URL: <https://ctan.org/pkg/winemtex>
  - *The wntamil package. Tamil to T<sub>E</sub>X converter.* 2019-06-21. LICENSE: other-nonfree  
URL: <https://ctan.org/pkg/wntamil>  
MIRROR: <https://mirror.ctan.org/language/tamil/wntamil>
  - *The wright package. Define commands with optional arguments.* 2016-06-24. LICENSE: noinfo. Version of `and` that can define commands with optional arguments. (Preceding the public availability of such commands, in L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, and with a slightly different syntax.)  
URL: <https://ctan.org/pkg/wright>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/wright>
  - *The xarticle package. A L<sup>A</sup>T<sub>E</sub>X 2.09 document style with 7pt, 8pt and 9pt options.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/xarticle>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/xarticle>
  - *The xcmr package. A crossed-out version of Computer Modern.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/xcmr>  
MIRROR: <https://mirror.ctan.org/fonts/cm/xcmr/xcmr12.mf>
  - *The xduts package. Xidian University T<sub>E</sub>X Suite.* 2023-03-24. Version 6.1.4.2. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/xduts>  
MIRROR: <https://mirror.ctan.org/macros/xetex/latex/xduts>
  - *The zaccone package. Different configuration for different captions.* 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/zaccone>  
MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/zaccone>
  - *The zitie package. Create CJK character calligraphy practicing sheets.* 2021-10-04. Version 1.4.0. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/zitie>  
MIRROR: <https://mirror.ctan.org/macros/xetex/latex/zitie>

- Urban, Michael. *The engwar package. Font for typesetting Tolkien Engwar script*. 2019-06-21. LICENSE: nosell  
 URL: <https://ctan.org/pkg/engwar>  
 MIRROR: <https://mirror.ctan.org/fonts/engwar>
- *The tengwar package. Font to set Tolkien’s Tengwar script*. 2019-06-21. LICENSE: nosell. Font for typesetting Tolkien Tengwar script, written in Metafont. The macros support the use of this font.  
 URL: <https://ctan.org/pkg/tengwar>  
 MIRROR: <https://mirror.ctan.org/fonts/tengwar>
- URW GmbH. *The urw package. URW free font support*. 2016-06-24. LICENSE: collection. Fonts, font metrics, and macro support in L<sup>A</sup>T<sub>E</sub>X<sub>2</sub>e, for available URW fonts. Fonts provided are: – ; – ; – ; – ; – ; and – .  
 URL: <https://ctan.org/pkg/urw>  
 MIRROR: <https://mirror.ctan.org/fonts/urw>
- URW GmbH, Primoz Peterlin, and Walter A. Schmidt. *The URW-base35 package. URW ‘Base 35’ font pack for L<sup>A</sup>T<sub>E</sub>X*. 2022-10-22. LICENSE: gpl  
 URL: <https://ctan.org/pkg/urw-base35>  
 MIRROR: <https://mirror.ctan.org/fonts/urw/base35>
- URW GmbH, Walter A. Schmidt, and Keiran Harcombe. *The lettergothic package. The Adobe Type 1 font family Letter GothicType*. 2021-12-07. LICENSE: nocommercial  
 URL: <https://ctan.org/pkg/lettergothic>  
 MIRROR: <https://mirror.ctan.org/fonts/urw/lettergothic>
- *The urw-antiqua package. URW Antiqua condensed font, for use with T<sub>E</sub>X*. 2021-12-07. Version 001.003. LICENSE: gpl  
 URL: <https://ctan.org/pkg/urw-antiqua>  
 MIRROR: <https://mirror.ctan.org/fonts/urw/antiqua>
  - *The urw-arial package. URW Arial font pack for use with L<sup>A</sup>T<sub>E</sub>X*. 2021-12-07. LICENSE: nocommercial  
 URL: <https://ctan.org/pkg/urw-arial>  
 MIRROR: <https://mirror.ctan.org/fonts/urw/arial>
  - *The URW-Grotesq package. URW Grotesq font pack for L<sup>A</sup>T<sub>E</sub>X*. 2021-12-07. LICENSE: gpl  
 URL: <https://ctan.org/pkg/urw-grotesq>  
 MIRROR: <https://mirror.ctan.org/fonts/urw/grotesq>
- user202729. *The cprotectinside package. Use cprotect arbitrarily nested*. 2022-06-27. Version 0.0.0. LICENSE: lppl1.3c. This package extends the package to allow users to use verbatim-like commands inside arbitrary parameters.  
 URL: <https://ctan.org/pkg/cprotectinside>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cprotectinside>
- *The precattl package. Prepare special catcodes from token list*. 2022-07-15. Version 0.0.0. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/precattl>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/precattl>
  - *The prettytok package. Pretty-print token lists*. 2022-07-08. Version 0.0.1. LICENSE: lppl1.3c. Pretty-print token lists to HTML file for debugging purposes. Open the file in any browser to view the result. Can be used to replace .  
 URL: <https://ctan.org/pkg/prettytok>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/prettytok>
  - *The pythonimmediate package. Library to run Python code*. 2023-03-07. Version 0.4.0. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/pythonimmediate>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pythonimmediate>
  - *The rescansync package. Re-scan tokens with syncTeX information*. 2022-07-15. Version 0.0.0. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/rescansync>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/rescansync>
  - *The saveenv package. Save environment content verbatim*. 2022-12-23. Version 0.0.1. LICENSE: lppl1.3c. This package provides tools to create your own verbatim environments, and works for all values of .  
 URL: <https://ctan.org/pkg/saveenv>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/saveenv>
- Utcke, Sven. *The ut-backref package. Modified backref*. 2016-06-24. Version 1.2. LICENSE: noinfo. A patched version of which adds a list of where the reference was cited, to each bibliography entry.  
 URL: <https://ctan.org/pkg/ut-backref>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/misc/ut-backref.sty>
- Vabishchevich, Petr. *The LaTeXMng package. An integrated development environment for Windows*. 2016-06-24. Version 2.0. LICENSE: shareware

- URL: <https://ctan.org/pkg/latexmng>  
 MIRROR: <https://mirror.ctan.org/systems/win32/latexmng>
- Vabishchevich, Petr. *The MPEdit package. MetaPost text editor for Win32*. 2016-06-24. LICENSE: other-free  
 URL: <https://ctan.org/pkg/mpedit>  
 MIRROR: <https://mirror.ctan.org/graphics/metapost/contrib/tools/MPEdit>
- Väisänen, Hannu. *The koma-script-sfs package. Koma-script letter class option for Finnish*. 2016-06-24. Version 1.0. LICENSE: lppl. A parameter set for letters on A4 paper, complying with Finnish standards SFS 2486, 2487 and 2488; suitable for window envelopes with window on the left side in the sizes C5, C65, E5 and E65 (although, because the address window is smaller, for sizes E5 and E65 the address may not fit within the window, but ordinary 3-line address should fit).  
 URL: <https://ctan.org/pkg/koma-script-sfs>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/koma-script-SFS>
- Vajakas, Jaan and Enn Saar. *The babel-estonian package. Babel support for Estonian*. 2016-06-24. Version 1.1a. LICENSE: lppl1.3. The package provides the language definition file for support of Estonian in . Some shortcuts are defined, as well as translations to Estonian of standard “LaTeX names”.  
 URL: <https://ctan.org/pkg/babel-estonian>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/babel-contrib/estonian>
- Valbusa, Ivan. *The beamer-verona package. A theme for the beamer class*. 2016-06-24. Version 0.2. LICENSE: lppl1.3. This package provides the ‘Verona’ theme for the class by Till Tantau.  
 URL: <https://ctan.org/pkg/beamer-verona>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/beamer-contrib/themes/beamer-verona>
- *The biblatex-philosophy package. Styles for using BibLaTeX for work in philosophy*. 2022-09-16. Version 1.9.8g. LICENSE: lppl1.3  
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 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-philosophy>
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 URL: <https://ctan.org/pkg/cyrguide>  
 MIRROR: <https://mirror.ctan.org/macros/latex/base>
- Vosberg, Friedrich. *The ratex package*. A package for German lawyers. 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/ratex>  
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 URL: <https://ctan.org/pkg/rtklage>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/rtklage>
- Voß, Herbert. *The auto-pst-pdf-lua package*. Using LuaL<sup>A</sup>T<sub>E</sub>X together with PostScript code. 2023-03-21. Version 0.03a. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/auto-pst-pdf-lua>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/auto-pst-pdf-lua>
- *The beamer-fuberlin package*. Beamer, using the style of FU Berlin. 2022-04-28. Version 0.02b. LICENSE: lppl  
 URL: <https://ctan.org/pkg/beamer-fuberlin>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/beamer-FUBerlin>
- *The biblatex-bwl package*. BibL<sup>A</sup>T<sub>E</sub>X citations for FU Berlin. 2016-06-24. Version 0.02. LICENSE: lppl1.3. The bundle provides a set of implementations of bibliography and citation styles for the Business Administration Department of the Free University of Berlin.  
 URL: <https://ctan.org/pkg/biblatex-bwl>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-bwl>
- *The biblatex-readbbl package*. Read a .bbl file created by biber. 2022-01-25. Version 0.01. LICENSE: lppl  
 URL: <https://ctan.org/pkg/biblatex-readbbl>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-readbbl>
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 URL: <https://ctan.org/pkg/biblatex-spbasic>  
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 URL: <https://ctan.org/pkg/dejavu-otf>  
 MIRROR: <https://mirror.ctan.org/fonts/dejavu-otf>
- The *ein fuehrung* package. *Examples from the book Einführung in L<sup>A</sup>T<sub>E</sub>X*. 2020-06-07. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/einfuehrung>  
 MIRROR: <https://mirror.ctan.org/info/examples/Einfuehrung>
  - The *ein fuehrung2* package. *Examples from the book Einführung in L<sup>A</sup>T<sub>E</sub>X*. 2020-06-07. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/einfuehrung2>  
 MIRROR: <https://mirror.ctan.org/info/examples/Einfuehrung2>
  - The *fbox* package. *Extended \fbox macro from standard L<sup>A</sup>T<sub>E</sub>X*. 2022-02-20. Version 0.06. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/fbox>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fbox>
  - The *firamath-otf* package. *Use OpenType math font Fira Math*. 2023-01-16. Version 0.03a. LICENSE: lppl1.3. The package offers XeTeX/LuaTeX support for the .  
 URL: <https://ctan.org/pkg/firamath-otf>  
 MIRROR: <https://mirror.ctan.org/fonts/firamath-otf>
  - The *heros-otf* package. *Using the OpenType fonts T<sub>E</sub>X Gyre Heros*. 2022-10-14. Version 0.01. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/heros-otf>  
 MIRROR: <https://mirror.ctan.org/fonts/heros-otf>
  - The *hvarabic* package. *Macros for RTL typesetting*. 2021-06-01. Version 0.02. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/hvarabic>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hvarabic>
  - The *hvextern* package. *Write and execute external code, and insert the output*. 2023-01-29. Version 0.33. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/hvextern>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hvextern>
  - The *hvfloat* package. *Controlling captions, fullpage and doublepage floats*. 2023-01-28. Version 2.45. LICENSE: lppl. This package defines a macro to place objects (tables and figures) and their captions in different positions with different rotating angles within a float. All objects and captions can be framed. The main command is `hvf`; a simple example is `hvf`. Options are provided to place captions to the right or left, and rotated. Setting `nonFloat=true` results in placing the float here.  
 URL: <https://ctan.org/pkg/hvfloat>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hvfloat>
  - The *hvin dex* package. *Support for indexing*. 2022-01-25. Version 0.04. LICENSE: lppl. The package simplifies the indexing of words using the command `hvin dex`. With the package, to index a word in a text, you only have to type it once; the package makes sure it is both typeset and indexed.  
 URL: <https://ctan.org/pkg/hvin dex>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hvin dex>
  - The *hvlogos* package. *Print T<sub>E</sub>X-related names as logo*. 2022-05-08. Version 0.09. LICENSE: lppl  
 URL: <https://ctan.org/pkg/hvlogos>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hvlogos>
  - The *hvp ymentex* package. *Syntax-Highlighting of program code*. 2022-03-08. Version 0.01. LICENSE: lppl1.3c. The package is based on `hvp ymentex` but provides an automatic run from within the document itself, with the option `hvp ymentex`. It does not need the additional action by the user to run the external program to create the code snippets.  
 URL: <https://ctan.org/pkg/hvp ymentex>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hvp ymentex>
  - The *hvrurl* package. *Insert a QR code in the margin*. 2021-05-18. Version 0.02. LICENSE: lppl1.3. This package allows to draw an URL as a QR code into the margin of a one- or twosided document. The following packages are loaded by default: `hvrurl`, `hvrurl`, and `hvrurl`.  
 URL: <https://ctan.org/pkg/hvrurl>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/hvrurl>
  - The *isopt* package. *Writing a T<sub>E</sub>X length with a space between number and unit*. 2018-01-07. Version 0.01. LICENSE: lppl. Writing a T<sub>E</sub>X length with `\isopt` writes the value and the unit without a space. Package `isopt` provides a macro which inserts a user defined space between number and unit.  
 URL: <https://ctan.org/pkg/isopt>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/isopt>
  - The *latex-bib-ex* package. *Examples for the book Bibliografien mit L<sup>A</sup>T<sub>E</sub>X*. 2020-06-07. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/latex-bib-ex>  
 MIRROR: <https://mirror.ctan.org/info/examples/LaTeX-Bib>



- Voß, Herbert. *The latex-bib2-ex package. Examples for the book Bibliografien mit L<sup>A</sup>T<sub>E</sub>X*. 2020-06-07. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/latex-bib2-ex>  
 MIRROR: <https://mirror.ctan.org/info/examples/LaTeX-Bib2>
- *The LaTeX-Referenz package. Examples from the book "L<sup>A</sup>T<sub>E</sub>X Referenz"*. 2020-06-07. Version 2. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/latex-referenz>  
 MIRROR: <https://mirror.ctan.org/info/examples/LaTeX-Referenz>
  - *The latex-tabellen package. L<sup>A</sup>T<sub>E</sub>X Tabellen*. 2020-06-07. LICENSE: lppl  
 URL: <https://ctan.org/pkg/latex-tabellen>  
 MIRROR: <https://mirror.ctan.org/info/examples/Tabellen2>
  - *The libertinus package. Wrapper to use the correct libertinus package according to the used T<sub>E</sub>X engine*. 2021-06-16. Version 0.02. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/libertinus>  
 MIRROR: <https://mirror.ctan.org/fonts/libertinus>
  - *The libertinus-otf package. Support for Libertinus OpenType*. 2021-07-23. Version 0.29. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/libertinus-otf>  
 MIRROR: <https://mirror.ctan.org/fonts/libertinus-otf>
  - *The luafindfont package. Search fonts in the LuaTeX font database*. 2022-11-03. Version 0.11. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/luafindfont>  
 MIRROR: <https://mirror.ctan.org/support/luafindfont>
  - *The luaintro package. Examples from the book "Einführung in LuaTeX und LuaLaTeX"*. 2019-06-09. Version 0.03. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/luaintro>  
 MIRROR: <https://mirror.ctan.org/info/examples/luaintro>
  - *The luarandom package. Create lists of random numbers*. 2019-06-09. Version 0.01. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/luarandom>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/latex/luarandom>
  - *The lucida-otf package. Support for the Lucida Bright fonts (OpenType)*. 2021-09-11. Version 0.08. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/lucida-otf>  
 MIRROR: <https://mirror.ctan.org/fonts/lucida-otf>
  - *The math-e package. Examples from the book Typesetting Mathematics with L<sup>A</sup>T<sub>E</sub>X*. 2020-06-07. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/math-e>  
 MIRROR: <https://mirror.ctan.org/info/examples/Math-E>
  - *The mathesatz-examples package. Examples from the book "Mathematiksatz mit L<sup>A</sup>T<sub>E</sub>X"*. 2016-06-24. Version 2. LICENSE: lppl  
 URL: <https://ctan.org/pkg/mathesatz-examples>  
 MIRROR: <https://mirror.ctan.org/info/examples/Math>
  - *The nexus-otf package. Supporting for the Nexus OpenType or True Type Fonts*. 2019-06-21. Version 0.02. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/nexus-otf>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/nexus-otf>
  - *The pagella-otf package. Using the OpenType fonts T<sub>E</sub>X Gyre Pagella*. 2022-10-16. Version 0.02. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/pagella-otf>  
 MIRROR: <https://mirror.ctan.org/fonts/pagella-otf>
  - *The plex-otf package. Support for the OpenType font IBM Plex*. 2018-04-13. Version 0.07a. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/plex-otf>  
 MIRROR: <https://mirror.ctan.org/fonts/plex-otf>
  - *The powerdot-fuberlin package. Powerdot, using the style of FU Berlin*. 2019-11-26. Version 0.02a. LICENSE: lppl  
 URL: <https://ctan.org/pkg/powerdot-fuberlin>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/powerdot-FUBerlin>
  - *The presentations package. Examples from the book Presentationen mit L<sup>A</sup>T<sub>E</sub>X*. 2020-06-07. LICENSE: lppl  
 URL: <https://ctan.org/pkg/presentations>  
 MIRROR: [https://mirror.ctan.org/info/examples/Presentations\\_de](https://mirror.ctan.org/info/examples/Presentations_de)
  - *The presentations-en package. Examples from the book Presentations with L<sup>A</sup>T<sub>E</sub>X*. 2020-06-07. LICENSE: lppl  
 URL: <https://ctan.org/pkg/presentations-en>  
 MIRROR: [https://mirror.ctan.org/info/examples/Presentations\\_en](https://mirror.ctan.org/info/examples/Presentations_en)
  - *The pst-3dplot package. Draw 3D objects in parallel projection, using PSTricks*. 2022-01-14. Version 2.07a. LICENSE: lppl. A package using to draw a large variety of graphs and plots, including 3D maths functions. Data can be read from external data files, making this package a generic tool for graphing within T<sub>E</sub>X/LaTeX, without the need for external tools.



- URL: <https://ctan.org/pkg/pst-3dplot>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-3dplot>
- Voß, Herbert. *The pst-abspos package. Put objects at an absolute position.* 2016-06-24. Version 0.2. LICENSE: lppl. The (PSTricks-related) package provides a command to put an object at an arbitrary absolute (or even a relative) position on the page.  
URL: <https://ctan.org/pkg/pst-abspos>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-abspos>
- *The pst-arrow package. Special arrows for PSTricks.* 2021-11-16. Version 0.05. LICENSE: lppl. This package has all the code from the package which was related to arrows, like multiple arrows and so on.  
URL: <https://ctan.org/pkg/pst-arrow>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-arrow>
  - *The pst-calculate package. Support for floating point operations at L<sup>A</sup>T<sub>E</sub>X level.* 2019-06-09. Version 0.02. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/pst-calculate>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/pst-calculate>
  - *The pst-dart package. Plotting dart boards.* 2021-09-11. Version 0.03. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-dart>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-dart>
  - *The pst-exa package. Typeset PSTricks examples, with code.* 2017-09-12. Version 0.06. LICENSE: lppl. The (-related) package provides an environment PSTexample to put code and output side by side or one above the other.  
URL: <https://ctan.org/pkg/pst-exa>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-exa>
  - *The pst-feyn package. Draw graphical elements for Feynman diagrams.* 2018-09-29. Version 0.01. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-feyn>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-feyn>
  - *The pst-fp package. Fixed-point arithmetic in PSTricks.* 2016-06-24. Version 0.05. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-fp>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/base/generic/pst-fp.tex>
  - *The pst-fractal package. Draw fractal sets using PSTricks.* 2022-10-13. Version 0.12. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-fractal>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-fractal>
  - *The pst-func package. PSTricks package for plotting mathematical functions.* 2021-11-03. Version 0.99. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-func>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-func>
  - *The pst-graphics package. A PSTricks-compatible graphics for use with Plain T<sub>E</sub>X.* 2016-06-24. Version 0.02. LICENSE: lppl. The package provides a version of that avoids loading the graphics bundle's (original) package, which clashes with ' use of .  
URL: <https://ctan.org/pkg/pst-graphics>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-graphics>
  - *The pst-hsb package. Curves with continuous colours.* 2021-12-18. Version 0.02. LICENSE: lppl. This is a -related package. It can plot lines and/or curves with continuous colours. Only colours defined in the hsb model are supported  
URL: <https://ctan.org/pkg/pst-hsb>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-hsb>
  - *The pst-knot package. PSTricks package for displaying knots.* 2016-06-24. Version 0.2. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-knot>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-knot>
  - *The pst-lsystem package. Create images based on a L-system.* 2018-12-31. Version 0.02. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-lsystem>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-lsystem>
  - *The pst-poker package. Drawing poker cards.* 2023-02-13. Version 0.03b. LICENSE: lgpl3. This related package can create poker cards in various manners.  
URL: <https://ctan.org/pkg/pst-poker>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-poker>
  - *The pst-support package. Assorted support files for use with PSTricks.* 2016-06-24. LICENSE: lppl. An appropriate set of job options, together with process scripts for use with /  
URL: <https://ctan.org/pkg/pst-support>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/pst-support>

- Voß, Herbert. *The pst-tools package. PSTricks support functions*. 2021-09-24. Version 0.12. LICENSE: lppl  
 URL: <https://ctan.org/pkg/pst-tools>  
 MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-tools>
- *The pst-turtle package. Commands for “turtle operations”*. 2019-10-05. Version 0.02. LICENSE: lppl  
 URL: <https://ctan.org/pkg/pst-turtle>  
 MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-turtle>
  - *The pst-venn package. A PSTricks package for drawing Venn sets*. 2018-12-06. Version 0.01. LICENSE: lppl  
 URL: <https://ctan.org/pkg/pst-venn>  
 MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-venn>
  - *The pstricks-examples package. PSTricks examples*. 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/pstricks-examples>  
 MIRROR: [https://mirror.ctan.org/info/examples/PSTricks\\_6\\_de](https://mirror.ctan.org/info/examples/PSTricks_6_de)
  - *The pstricks-examples-7 package. PSTricks examples files of the 7th edition of the book PSTricks*. 2016-06-24. Version 0.01. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/pstricks-examples-7>  
 MIRROR: [https://mirror.ctan.org/info/examples/PSTricks\\_7\\_de](https://mirror.ctan.org/info/examples/PSTricks_7_de)
  - *The pstricks-examples-en package. Examples from PSTricks book (English edition)*. 2016-06-24. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/pstricks-examples-en>  
 MIRROR: [https://mirror.ctan.org/info/examples/PSTricks\\_en](https://mirror.ctan.org/info/examples/PSTricks_en)
  - *The schola-otf package. Using the OpenType fonts T<sub>E</sub>X Gyre schola*. 2022-11-02. Version 0.01. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/schola-otf>  
 MIRROR: <https://mirror.ctan.org/fonts/schola-otf>
  - *The spark-otf package. Support OpenType Spark fonts*. 2022-03-04. Version 0.05a. LICENSE: ofl,lppl1.3  
 URL: <https://ctan.org/pkg/spark-otf>  
 MIRROR: <https://mirror.ctan.org/fonts/spark-otf>
  - *The tabulars-e package. Examples from the book “Typesetting tables with L<sup>A</sup>T<sub>E</sub>X”*. 2020-06-07. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/tabulars-e>  
 MIRROR: <https://mirror.ctan.org/info/examples/tabulars-e>
  - *The termes-otf package. Using the OpenType fonts T<sub>E</sub>X Gyre Termes*. 2022-10-17. Version 0.02. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/termes-otf>  
 MIRROR: <https://mirror.ctan.org/fonts/termes-otf>
  - *The unitconv package. Convert a length into one with another unit*. 2020-05-13. Version 0.01. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/unitconv>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/latex/unitconv>
  - *The voss-mathcol package. Typesetting mathematics in colour, in (La)T<sub>E</sub>X*. 2016-06-24. Version 0.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/voss-mathcol>  
 MIRROR: <https://mirror.ctan.org/info/math/voss/mathCol>
  - *The voss-mathmode package. A comprehensive review of mathematics in (La)T<sub>E</sub>X*. 2018-01-06. Version 2.47. LICENSE: lppl  
 URL: <https://ctan.org/pkg/voss-mathmode>  
 MIRROR: <https://mirror.ctan.org/obsolete/info/math/voss/mathmode>
  - *The xfakebold package. Fake a regular font for bold characters*. 2020-06-24. Version 0.08. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/xfakebold>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xfakebold>
  - *The xhfill package. Extending \hrulefill*. 2016-06-24. Version 1.01. LICENSE: lppl. The package provides extended macros for the default command. It allows modification of the width and the colour of the line.  
 URL: <https://ctan.org/pkg/xhfill>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xhfill>
  - *The xindex package. Unicode compatible index generation*. 2023-01-20. Version 0.47. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/xindex>  
 MIRROR: <https://mirror.ctan.org/indexing/xindex>
  - *The xurl package. Allow URL breaks at any alphanumerical character*. 2022-01-09. Version 0.10. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/xurl>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xurl>
- Voß, Herbert, Denis Girou, and Timothy Van Zandt. *The pst-tree package. Trees, using PSTricks*. 2021-09-04. Version 1.14. LICENSE: lppl. pst-tree is a package that defines a macro which offers a structured way of joining nodes created using in order to draw trees.

- URL: <https://ctan.org/pkg/pst-tree>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-tree>
- Voß, Herbert, Denis Girou, and Timothy Van Zandt. *The pstricks-base package. PostScript macros for T<sub>E</sub>X*. 2022-12-14. Version 3.18. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/pstricks-base>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/base>
- Voß, Herbert and Klaus Höppner. *The dantelogo package. A font for DANTE's logo*. 2016-06-24. Version 0.03. LICENSE: lppl  
URL: <https://ctan.org/pkg/dantelogo>  
MIRROR: <https://mirror.ctan.org/fonts/dantelogo>
- Voß, Herbert and Christophe Jorssen. *The pst-circ package. PSTricks package for drawing electric circuits*. 2021-09-10. Version 2.19. LICENSE: lppl. The package is built using and in particular . It can easily draw current 2-terminal devices and some 3- and 4-terminal devices used in electronic or electric theory. The package's macros are designed with a view to 'logical' representation of circuits, as far as possible, so as to relieve the user of purely graphical considerations when expressing a circuit.  
URL: <https://ctan.org/pkg/pst-circ>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-circ>
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URL: <https://ctan.org/pkg/pst2pdf>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/scripts/pst2pdf>
- Voß, Herbert and Manuel Luque. *The pst-antiprism package. A PSTricks related package which draws an antiprism*. 2018-02-15. Version 0.02. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-antiprism>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-antiprism>
- *The pst-shell package. Plotting sea shells*. 2020-07-29. Version 0.03. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-shell>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-shell>
- *The pst-spinner package. Drawing a fidget spinner*. 2023-02-22. Version 1.02. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-spinner>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-spinner>
- Voß, Herbert and Rolf Niepraschk. *The dtk package. Document class for the journal of DANTE*. 2022-12-19. Version 2.08n. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/dtk>  
MIRROR: <https://mirror.ctan.org/usergrps/dante/dtk>
- *The xltabular package. Longtable support with possible X-column specifier*. 2020-11-04. Version 0.2e. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/xltabular>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/xltabular>
- Voß, Herbert and Dominique Rodriguez. *The pstricks-add package. A collection of add-ons and bugfixes for PSTricks*. 2022-11-21. Version 3.93. LICENSE: lppl  
URL: <https://ctan.org/pkg/pstricks-add>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pstricks-add>
- Voß, Herbert and Timothy Van Zandt. *The pst-coil package. A PSTricks package for coils, etc*. 2022-04-06. Version 1.07. LICENSE: lppl. Pst-coil is a based package for coils and zigzags and for coil and zigzag node connections.  
URL: <https://ctan.org/pkg/pst-coil>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-coil>
- *The pst-eps package. Create EPS files from PSTricks figures*. 2016-06-24. Version 1.0. LICENSE: lppl. Pst-eps is a -based package for exporting PSTricks images 'on the fly' to encapsulated PostScript (EPS) image files, which can then be read into a document in the usual way.  
URL: <https://ctan.org/pkg/pst-eps>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-eps>
- *The pst-grad package. Filling with colour gradients, using PSTricks*. 2016-06-24. Version 1.06. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-grad>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-grad>
- *The pst-text package. Text and character manipulation in PSTricks*. 2018-12-29. Version 1.02. LICENSE: lppl. Pst-text is a based package for plotting text along a different path and manipulating characters. It includes the functionality of the old package pst-char.

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MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-text>
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URL: <https://ctan.org/pkg/acroterm>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/acroterm>
- Voß, Jakob and Camil Staps. *The tkz-orm package. Create Object-Role Model (ORM) diagrams*. 2021-08-26. Version 0.1.4. LICENSE: gpl2,lppl1.3  
URL: <https://ctan.org/pkg/tkz-orm>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tkz-orm>
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URL: <https://ctan.org/pkg/jvlisting>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/jvlisting>
- Vrba, Anton. *The flexipage package. Flexible page geometry with marginalia*. 2023-03-18. Version 1.02. LICENSE: lppl1.3c. This package allows easy page layout if marginalia is required. Mid document changes are possible such as: new marginal width, full width text, and landscape text without marginal. Partners well with the package . The package also aids the layout for book printing, allowing for binding corrections and adding page bleed, if required.  
URL: <https://ctan.org/pkg/flexipage>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/flexipage>
- *The sidenotesplus package. Place referenced notes, alerts, figures and tables into the document margin*. 2022-07-09. Version 1.02. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/sidenotesplus>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/sidenotesplus>
- Vrečko, Matjaž and Leon Žlajpah. *The slhyph package. Slovenian hyphenation patterns*. 2016-11-05. LICENSE: lppl. The function of this package is encompassed in that of the package, for future applications.  
URL: <https://ctan.org/pkg/slhyph>  
MIRROR: <https://mirror.ctan.org/language/slovenian/slhyph.tex>
- Vrettos, Dimitrios. *The matc3 package. Commands for MatematicaC3 textbooks*. 2016-06-24. Version 1.0.1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/matc3>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/matc3>
- *The matc3mem package. Class for MatematicaC3 textbooks*. 2016-06-24. Version 1.1. LICENSE: lppl1.3. The class is a development of , with additions (specifically, mathematical extensions) that provide support for writing the books for the Matematica C3 project to produce free mathematical textbooks for use in Italian high schools.  
URL: <https://ctan.org/pkg/matc3mem>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/matc3mem>
- Vũ, Dũng. *The akshar package. Support for syllables in the Devanagari script*. 2020-09-06. Version 0.2. LICENSE: lppl1.3c  
URL: <https://ctan.org/pkg/akshar>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/akshar>
- Vulis, Dimitri. *The barcodes-vulis package. A font for making barcodes*. 2016-06-24. LICENSE: noinfo  
URL: <https://ctan.org/pkg/barcodes-vulis>  
MIRROR: <https://mirror.ctan.org/fonts/barcodes/vulis/barcodes.mf>
- *The weekday package. Generate "day of week"*. 2020-04-11. LICENSE: noinfo  
URL: <https://ctan.org/pkg/weekday>  
MIRROR: <https://mirror.ctan.org/macros/generic/misc/weekday.sty>
- Wäckerlin, Marc. *The businesscard-qrcode package. Business cards with QR-Code*. 2021-09-16. Version 1.2. LICENSE: lgpl  
URL: <https://ctan.org/pkg/businesscard-qrcode>  
MIRROR: <https://mirror.ctan.org/macros/xetex/latex/businesscard-qrcode>
- *The inline-images package. Inline images in base64 encoding*. 2021-09-16. Version 1.0. LICENSE: lgpl3  
URL: <https://ctan.org/pkg/inline-images>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/inline-images>
- Wagner, Anselm. *The biblatex-license package. Add license data to the bibliography*. 2021-03-18. Version 0.1. LICENSE: lppl1.3c. This package is for adding license data to bibliography entries via BibLaTeX's built-in related mechanism. It provides a new relatedtype and some bibmacros for typesetting these related entries.  
URL: <https://ctan.org/pkg/biblatex-license>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-license>

- Wagner, Victor. *The catdoc package. Text extractor for word files.* 2016-06-24. Version 0.90. LICENSE: gpl  
 URL: <https://ctan.org/pkg/catdoc>  
 MIRROR: <https://mirror.ctan.org/support/catdoc>
- Wagner, Zdeněk. *The advdate package. Print a date relative to "today".* 2016-06-24. LICENSE: lppl1.3. Provides macros which can add a specified number of days to the current date (as specified in ), to save, set and restore the 'current date' and to print it. Intended use is, for example, in invoices "payable within 14 days from today", etc. The package has only been tested with Czech dates.  
 URL: <https://ctan.org/pkg/advdate>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/advdate>
- *The cnbwp package. Typeset working papers of the Czech National Bank.* 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/cnbwp>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/cnbwp>
  - *The drawing package. Simple drawings with Metafont.* 2018-01-06. Version 1.0a. LICENSE: noinfo. A system for producing drawings using Metafont glyphs (or sequences of glyphs, tiled together using the package).  
 URL: <https://ctan.org/pkg/drawing>  
 MIRROR: <https://mirror.ctan.org/graphics/drawing>
  - *The ean13isbn package. Print EAN13 for ISBN.* 2021-01-24. LICENSE: lppl1.3. The package provides the means to typeset ISBN codes with EAN-13; it uses the (generic) package to typeset the actual barcode.  
 URL: <https://ctan.org/pkg/ean13isbn>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ean13isbn>
  - *The fillform package. Typeset answers to overprint on printed forms.* 2016-06-24. LICENSE: nosell  
 URL: <https://ctan.org/pkg/fillform>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/fillform>
  - *The makebarcode package. Print various kinds 2/5 and Code 39 bar codes.* 2016-06-24. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/makebarcode>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/makebarcode>
  - *The ocr-b-outline package. OCR-B fonts in Type 1 and OpenType.* 2016-06-24. LICENSE: other-free. The package contains OCR-B fonts in Type1 and OpenType formats. They were generated from the Metafont sources of the . The metric files are not included here, so that original ocr-b package should also be installed.  
 URL: <https://ctan.org/pkg/ocr-b-outline>  
 MIRROR: <https://mirror.ctan.org/fonts/ocr-b-outline>
  - *The xevlna package. Insert non-breakable spaces using XeTeX.* 2018-05-30. Version 1.1. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/xevlna>  
 MIRROR: <https://mirror.ctan.org/macros/xetex/generic/xevlna>
  - *The zwgetfdate package. Get package or file date.* 2017-04-18. LICENSE: lppl1.3. The package can fetch the date declaration of packages and files used by a document, and then provide the information in macros. The facilities provide a means of obtaining the date of a package being documented; this is mainly of use when /.  
 URL: <https://ctan.org/pkg/zwgetfdate>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/zwgetfdate>
  - *The zwpagelayout package. Page layout and crop-marks.* 2022-04-18. Version 1.4e. LICENSE: lppl  
 URL: <https://ctan.org/pkg/zwpagelayout>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/zwpagelayout>
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 URL: <https://ctan.org/pkg/encxvlna>  
 MIRROR: <https://mirror.ctan.org/macros/generic/encxvlna>
- Wagner, Zdeněk, Anshuman Pandey, Frans Velthuis, Steven T. Smith, Dominik Wujastyk, and François Patte. *The devanagari package. Typeset Devanagari.* 2020-06-07. Version 2.17.1. LICENSE: gpl  
 URL: <https://ctan.org/pkg/devanagari>  
 MIRROR: <https://mirror.ctan.org/language/devanagari/velthuis>
- Wahl, Tobias. *The MiniPlot package. A package for easy figure arrangement.* 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/miniplot>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/miniplot>
- Waldi, Roland. *The wasy package. The wasy fonts (Waldi symbol fonts).* 2020-01-24. Version 2.5. LICENSE: pd  
 URL: <https://ctan.org/pkg/wasy>  
 MIRROR: <https://mirror.ctan.org/fonts/wasy>



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 URL: <https://ctan.org/pkg/oca>  
 MIRROR: <https://mirror.ctan.org/fonts/oca>
- Wales, Richard B. and Tor Lillqvist. *The ocr-a package. Fonts for OCR-A*. 2018-01-06. LICENSE: nosell  
 URL: <https://ctan.org/pkg/ocr-a>  
 MIRROR: <https://mirror.ctan.org/fonts/ocr-a>
- Walker, Jim. *The sines package. Calculate sin function values*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/sines>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/sines.tex>
- Wall, Matthew. *The scorecard package. Format a Baseball scorecard*. 2016-06-24. Version 1.1. LICENSE: nocommercial  
 URL: <https://ctan.org/pkg/scorecard>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/scorecard.tex>
- Walsh, Norman. *The comp-fonts-FAQ package. Frequently Asked Questions from comp.fonts*. 2016-06-24. Version 2.1.5. LICENSE: other-free  
 URL: <https://ctan.org/pkg/comp-fonts-faq>  
 MIRROR: <https://mirror.ctan.org/help/comp-fonts-FAQ>
- *The HPTfm2pl package. Create T<sub>E</sub>X PL files from HP AutoFont Support*. 2018-01-06. Version 1.0b beta. LICENSE: pd  
 URL: <https://ctan.org/pkg/hp2pl>  
 MIRROR: <https://mirror.ctan.org/support/hp2pl>
  - *The ljmetrics package. Metrics for Laserjet built-in fonts*. 2016-06-24. Version 0.9. LICENSE: noinfo. The distribution offers TFM (and PL) files derived from Hewlett-Packard's LaserJet IV Developers kit. No outlines are provided; the metrics are only usable with drivers adapted for output to the relevant printers (e.g., ).  
 URL: <https://ctan.org/pkg/ljmetrics>  
 MIRROR: <https://mirror.ctan.org/fonts/ljmetrics>
  - *The macfont package. Convert Apple type 1 fonts for use under Windows*. 2016-06-24. Version 1.1. LICENSE: gpl  
 URL: <https://ctan.org/pkg/macfont>  
 MIRROR: <https://mirror.ctan.org/fonts/utilities/macfont>
  - *The mhack package. Macros for marginal notes, in Plain T<sub>E</sub>X*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/mhack>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/mhack.tex>
  - *The pkbbox package. Derive glyph bounding boxes by building PK file*. 2016-06-24. LICENSE: noinfo. The author found that AFM files generated by lacked glyph bounding box information, so that they are not much use for generating TFM files. This package proceeds by generating a PK file from the Type 1 font by use of , and then using information from that to generate a more nearly valid AFM file from the original.  
 URL: <https://ctan.org/pkg/pkbbox>  
 MIRROR: <https://mirror.ctan.org/fonts/utilities/pkbbox>
  - *The tex-it package. Controller for T<sub>E</sub>X processing*. 2019-02-03. LICENSE: gpl. is a perl script for running T<sub>E</sub>X. It examines the log file of the T<sub>E</sub>X run and determines whether T<sub>E</sub>X needs to be run again; it runs BibT<sub>E</sub>X if necessary, and can be told to run Makeindex. Its "end-document" action may be selected from a menu, and includes a "tidy up" to delete all those scribble files.  
 URL: <https://ctan.org/pkg/tex-it>  
 MIRROR: <https://mirror.ctan.org/support/tex-it>
- Walsh, Norman and George Greenwade. *The htmlhelp package. HTML translation of VMS help files*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/htmlhelp>  
 MIRROR: <https://mirror.ctan.org/info/htmlhelp>
- Walshaw, Chris. *The abc2mtex package. Notate tunes stored in ABC notation*. 2020-09-10. Version 1.6.1. LICENSE: nosell. A package to notate tunes stored in an ascii format (abc notation, commonly used to notate traditional music). One of the most important aims of ABC notation, and perhaps one that distinguishes it from most, if not all, computer-readable musical languages is that it can be easily read by humans. The package produces files that can be processed with .  
 URL: <https://ctan.org/pkg/abc2mtex>  
 MIRROR: <https://mirror.ctan.org/support/abc2mtex>
- Waltman, Marijn. *The lpform package. Typesetting linear programming formulations and sets of equations*. 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/lpform>  
 MIRROR: <https://mirror.ctan.org/macros/generic/lpform>
- Wan, Zhen. *The CQUBeamer package. L<sup>A</sup>T<sub>E</sub>X Beamer Template for Chongqing University*. 2018-05-12. Version 1.0. LICENSE: mit,cc-by-4  
 URL: <https://ctan.org/pkg/cqubeamer>  
 MIRROR: <https://mirror.ctan.org/macros/xetex/latex/cqubeamer>

- Wang, Hsin-Po. *The snaptodo package. A todo that snaps to the closer side*. 2021-11-26. LICENSE: lppl1.3c. This package is an alternative to , from which it differs in the following ways:  
 URL: <https://ctan.org/pkg/snaptodo>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/snaptodo>
- Wang, Junwei. *The beamerthemeNord package. A simple beamer theme using the “Nord” color theme*. 2020-08-24. Version 0.2.0. LICENSE: lppl1.3c. This package provides a simple beamer theme using the color theme.  
 URL: <https://ctan.org/pkg/beamerthemennord>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/beamer-contrib/themes/beamerthemennord>
- Wang, Ran. *The Install-Latex-Guide-zh-cn package. A short introduction to L<sup>A</sup>T<sub>E</sub>X installation written in Chinese*. 2023-03-23. Version 2023.3.23. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/install-latex-guide-zh-cn>  
 MIRROR: <https://mirror.ctan.org/info/install-latex-guide-zh-cn>
- WANG, Xu. *The TikZ-Bagua package. Draw Bagua symbols in Yijing*. 2022-08-12. Version 1.01. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/tikz-bagua>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/tikz-bagua>
- Wang, Yue and LingYun Wu. *The zhmetrics package. TFM subfont files for using Chinese fonts in 8-bit T<sub>E</sub>X*. 2016-06-24. Version r206. LICENSE: lppl  
 URL: <https://ctan.org/pkg/zhmetrics>  
 MIRROR: <https://mirror.ctan.org/fonts/psfonts/zhmetrics>
- Warbrick, Jon and Luis Rivera. *The latex-essential package. Essential information for writing L<sup>A</sup>T<sub>E</sub>X documents*. 2016-06-24. Version 03. LICENSE: other-free  
 URL: <https://ctan.org/pkg/latex-essential>  
 MIRROR: <https://mirror.ctan.org/info/latex-essential>
- Ward, Greg. *The bt00L package. Perl library for parsing and processing BibTeX files*. 2016-06-24. Version 0.32. LICENSE: gpl  
 URL: <https://ctan.org/pkg/btool>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/utis/bt00L>
- Ward, Martin. *The program package. Typesetting programs and algorithms*. 2018-01-06. Version 3.3.14. LICENSE: gpl3  
 URL: <https://ctan.org/pkg/program>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/program>
- Wardrop, Matthew. *The blochsphere package. Draw pseudo-3D diagrams of Bloch spheres*. 2016-06-24. Version 1.1. LICENSE: lppl1.3. This package is used to draw pseudo-3D Blochsphere diagrams. It supports various annotations, such as great and small circles, axes, rotation markings and state vectors. It can be used in a standalone fashion, or nested within a environment by setting the environment option to .  
 URL: <https://ctan.org/pkg/blochsphere>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/blochsphere>
- Warner, Daniel. *The delig package. Disable misplaced ligatures in L<sup>A</sup>T<sub>E</sub>X documents*. 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/delig>  
 MIRROR: <https://mirror.ctan.org/support/delig>
- Wartenburger, Lucas. *The juraabbrev package. Abbreviations for typesetting (German) juridical documents*. 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/juraabbrev>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/juraabbrev>
- *The jurarsp package. Citations of judgements and official documents in (German) juridical documents*. 2016-06-24. Version 0.52. LICENSE: gpl  
 URL: <https://ctan.org/pkg/jurarsp>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/jurarsp>
- Washburn, Geoffrey. *The otftofd package. Generate control files for OpenType fonts*. 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/otftofd>  
 MIRROR: <https://mirror.ctan.org/fonts/utilities/otftofd>
- Waßenhoven, Dominik. *The biblatex-dw package. Humanities styles for BibLaTeX*. 2023-03-12. Version 1.7b. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/biblatex-dw>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/biblatex-dw>
- *The bibleref-german package. German adaptation of bibleref*. 2016-06-24. Version 1.0a. LICENSE: lppl1.3. The package provides translations and various formats for the use of in German documents. The German naming of the bible books complies with the ‘Loccumer Richtlinien’ (Locum guidelines). In addition, the Vulgate (Latin bible) is supported.  
 URL: <https://ctan.org/pkg/bibleref-german>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bibleref-german>

- Waßenhoven, Dominik. *The historische-zeitschrift package. Bib<sup>L</sup>A<sub>T</sub>E<sub>X</sub> style for the journal 'Historische Zeitschrift'*. 2016-12-02. Version 1.2. LICENSE: lppl  
 URL: <https://ctan.org/pkg/historische-zeitschrift>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/historische-zeitschrift>
- Wawrykiewicz, Staszek and Tomasz Przechlewski. *The tex-virtual-academy-pl package. TeX usage web pages, in Polish*. 2019-06-21. LICENSE: fdl  
 URL: <https://ctan.org/pkg/tex-virtual-academy-pl>  
 MIRROR: <https://mirror.ctan.org/info/tex-virtual-academy-pl>
- Wawrzyniak, Piotr. *The konwerter package. A program for automatic numbering of compounds in chemical publications*. 2017-04-18. Version 0.2.4. LICENSE: gpl2. Konwerter automatically numbers compounds in chemical publications created by . It is written in C++ and works both in Unix and Windows operating systems. It works similar to L<sup>A</sup>T<sub>E</sub>X and commands. Instead of giving number to every compound you give them labels and then refer to the structure in the text using the same label. The konwerter is able to resolve labels to numbers both in the eps files and in the text.  
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MIRROR: <https://mirror.ctan.org/fonts/auncial-new>
  - *The b1encoding package. L<sup>A</sup>T<sub>E</sub>X encoding tools for Bookhands fonts.* 2016-06-24. Version 1.0. LICENSE: lppl1.3. The package characterises and defines the author’s B1 encoding for use with L<sup>A</sup>T<sub>E</sub>X when typesetting things using his fonts.  
URL: <https://ctan.org/pkg/b1encoding>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/b1encoding>
  - *The bookdb package. A BibTeX style file for cataloguing a home library.* 2016-06-24. Version 0.2. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/bookdb>  
MIRROR: <https://mirror.ctan.org/biblio/bibtex/contrib/bookdb>
  - *The bookhands package. A collection of book-hand fonts.* 2017-10-29. LICENSE: lppl  
URL: <https://ctan.org/pkg/bookhands>  
MIRROR: <https://mirror.ctan.org/fonts/bookhands>
  - *The carolmin package. Carolingian Miniscule manuscript book-hand font.* 2022-04-06. LICENSE: lppl  
URL: <https://ctan.org/pkg/carolmin>  
MIRROR: <https://mirror.ctan.org/fonts/bookhands/carolmin>
  - *The chbibref package. Change the Bibliography/References title.* 2016-06-24. Version 1.0. LICENSE: lppl. Defines a single command, which sets whichever of and is in use. ( is used in book.cls and report.cls, and is used in article.cls.)  
URL: <https://ctan.org/pkg/chbibref>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/chbibref>
  - *The cypriot package. A script which was used on Cyprus for writing Greek.* 2016-06-24. Version 1.2. LICENSE: lppl  
URL: <https://ctan.org/pkg/cypriot>  
MIRROR: <https://mirror.ctan.org/fonts/archaic/cypriot>
  - *The egothic package. Early Gothic manuscript book-hand font.* 2022-04-06. LICENSE: lppl  
URL: <https://ctan.org/pkg/egothic>  
MIRROR: <https://mirror.ctan.org/fonts/bookhands/egothic>
  - *The etruscan package. Fonts for the Etruscan script.* 2016-06-24. Version 2.1. LICENSE: lppl. The Etruscan script was in use between approximately 1000 BC and 100 AD. The font comes in mirrored forms suitable for writing either left-to-right or right-to-left (as the Etruscans did), and is provided in Adobe Type 1 format. This is one of a series of fonts.  
URL: <https://ctan.org/pkg/etruscan>  
MIRROR: <https://mirror.ctan.org/fonts/archaic/etruscan>
  - *The expressg package. Diagrams consisting of boxes, lines, and annotations.* 2016-06-24. Version 1.5. LICENSE: lppl  
URL: <https://ctan.org/pkg/expressg>  
MIRROR: <https://mirror.ctan.org/graphics/metapost/contrib/macros/expressg>
  - *The flatten package. Flatten \input, etc., in a L<sup>A</sup>T<sub>E</sub>X file.* 2016-06-24. LICENSE: other-free. A program to flatten a L<sup>A</sup>T<sub>E</sub>X root file by copying and ed files into the root file.  
URL: <https://ctan.org/pkg/flatten>  
MIRROR: <https://mirror.ctan.org/support/flatten>
  - *The greek4cbc package. A Greek font from 394BC.* 2016-06-24. Version 2.1. LICENSE: lppl. Provides a Greek monumental font as used on a stele in Athens in 394BC. The font consists of majuscules only and is in Adobe Type 1 format. This is one of a series of fonts.  
URL: <https://ctan.org/pkg/greek4cbc>  
MIRROR: <https://mirror.ctan.org/fonts/archaic/greek4cbc>

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 URL: <https://ctan.org/pkg/greek6cbc>  
 MIRROR: <https://mirror.ctan.org/fonts/archaic/greek6cbc>
- *The hieroglf package. The "poor man's" Egyptian Hieroglyphic font*. 2016-06-24. Version 1.5. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/hieroglf>  
 MIRROR: <https://mirror.ctan.org/fonts/archaic/hieroglf>
  - *The humanist package. Humanist manuscript book-hand font*. 2018-01-06. LICENSE: lppl  
 URL: <https://ctan.org/pkg/humanist>  
 MIRROR: <https://mirror.ctan.org/fonts/bookhands/humanist>
  - *The huncial package. Fonts based on the half Uncial manuscript book-hand*. 2016-07-29. Version 1.0. LICENSE: lppl  
 URL: <https://ctan.org/pkg/huncial>  
 MIRROR: <https://mirror.ctan.org/fonts/bookhands/huncial>
  - *The inslrma package. Fonts based on the Insular Majuscule manuscript book-hand*. 2022-04-06. LICENSE: lppl  
 URL: <https://ctan.org/pkg/inslrma>  
 MIRROR: <https://mirror.ctan.org/fonts/bookhands/inslrma>
  - *The inslrmin package. Fonts based on the Insular Minuscule manuscript book-hand*. 2022-04-06. LICENSE: lppl  
 URL: <https://ctan.org/pkg/inslrmin>  
 MIRROR: <https://mirror.ctan.org/fonts/bookhands/inslrmin>
  - *The iso package. Generic ISO standards typesetting macros*. 2016-06-24. Version 2.4. LICENSE: lppl  
 URL: <https://ctan.org/pkg/iso>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/isostds/iso>
  - *The iso10303 package. Typesetting the STEP standards*. 2016-06-24. Version 1.5. LICENSE: lppl. Class and package files building on for typesetting the ISO 10303 (STEP) standards. Standard documents prepared using these packages have been published by ISO.  
 URL: <https://ctan.org/pkg/iso10303>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/isostds/iso10303>
  - *The isorot package. Rotation of document elements*. 2016-06-24. LICENSE: lppl. The package is for rotation of document elements. It is a combination of the package and an extension of the package. The package is designed for use with the but may be used with any normal class.  
 URL: <https://ctan.org/pkg/isorot>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/isorot>
  - *The linearb package. Linear B script used in the Bronze Age for Mycenaean Greek*. 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/linearb>  
 MIRROR: <https://mirror.ctan.org/fonts/archaic/linearb>
  - *The ltx2x package. Replace L<sup>A</sup>T<sub>E</sub>X commands in a document by user-defined strings*. 2016-06-24. Version 0.92. LICENSE: lppl  
 URL: <https://ctan.org/pkg/ltx2x>  
 MIRROR: <https://mirror.ctan.org/support/ltx2x>
  - *The metafp package. Some Experiences in Running Metafont and MetaPost*. 2016-06-18. LICENSE: nosource  
 URL: <https://ctan.org/pkg/metafp>  
 MIRROR: <https://mirror.ctan.org/info/metafont/metafp>
  - *The nabatean package. Font for Nabatean script*. 2016-06-24. Version 1.2. LICENSE: lppl  
 URL: <https://ctan.org/pkg/nabatean>  
 MIRROR: <https://mirror.ctan.org/fonts/archaic/nabatean>
  - *The oands package. Glyphs used when transliterating ancient scripts*. 2016-06-18. Version 1.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/oands>  
 MIRROR: <https://mirror.ctan.org/fonts/archaic/oands>
  - *The oldprsn package. Fonts old Persian cuneiform script*. 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/oldprsn>  
 MIRROR: <https://mirror.ctan.org/fonts/archaic/oldprsn>
  - *The pacioli package. Fonts designed by Fra Luca de Pacioli in 1497*. 2016-06-24. LICENSE: lppl  
 URL: <https://ctan.org/pkg/pacioli>  
 MIRROR: <https://mirror.ctan.org/fonts/pacioli>
  - *The pgothic package. Fonts based on the Gothic Textura Prescisus manuscript book-hand*. 2022-04-06. LICENSE: lppl  
 URL: <https://ctan.org/pkg/pgothic>  
 MIRROR: <https://mirror.ctan.org/fonts/bookhands/pgothic>
- Wilson, Peter R. *The phoenician package. Fonts for the Phoenician script in use from about 1600 BC*. 2016-06-24. Version 2.2. LICENSE: lppl

- URL: <https://ctan.org/pkg/phoenician>  
MIRROR: <https://mirror.ctan.org/fonts/archaic/phoenician>
- *The protosem package. Fonts for proto-Semitic cuneiform script.* 2016-06-24. Version 1.2. LICENSE: lppl. A font (in Type 1 format) and macros for proto-Semitic writing. This script was in use about 1600 BCE, and seems to be the oldest ancestor of most of the world's alphabets. This is one of a series of fonts.  
URL: <https://ctan.org/pkg/protosem>  
MIRROR: <https://mirror.ctan.org/fonts/archaic/protosem>
  - *The rotunda package. Rotunda manuscript book-hand font.* 2022-04-06. LICENSE: lppl  
URL: <https://ctan.org/pkg/rotunda>  
MIRROR: <https://mirror.ctan.org/fonts/bookhands/rotunda>
  - *The runic package. Fonts for Anglo-Saxon futhorc script.* 2016-06-24. Version 1.1. LICENSE: lppl. Fonts and macros for runic writing. The futhorc script remained in use in England until just after printing was established. This is one of a series of fonts.  
URL: <https://ctan.org/pkg/runic>  
MIRROR: <https://mirror.ctan.org/fonts/archaic/runic>
  - *The rustic package. Roman Rustic manuscript book-hand font.* 2016-07-29. LICENSE: lppl  
URL: <https://ctan.org/pkg/rustic>  
MIRROR: <https://mirror.ctan.org/fonts/bookhands/rustic>
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URL: <https://ctan.org/pkg/sqrcaps>  
MIRROR: <https://mirror.ctan.org/fonts/bookhands/sqrcaps>
  - *The sudokubundle package. A set of sudoku-related packages.* 2016-06-24. Version 1.0a. LICENSE: lppl  
URL: <https://ctan.org/pkg/sudokubundle>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/sudokubundle>
  - *The tgothic package. Gothic Textura Quadrata manuscript book-hand font.* 2022-04-06. LICENSE: lppl  
URL: <https://ctan.org/pkg/tgothic>  
MIRROR: <https://mirror.ctan.org/fonts/bookhands/tgothic>
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URL: <https://ctan.org/pkg/titlepages>  
MIRROR: <https://mirror.ctan.org/info/latex-samples/TitlePages>
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MIRROR: <https://mirror.ctan.org/fonts/trajan>
  - *The ugarite package. Fonts for Ugaritic cuneiform script.* 2016-06-24. Version 1.2. LICENSE: lppl  
URL: <https://ctan.org/pkg/ugarite>  
MIRROR: <https://mirror.ctan.org/fonts/archaic/ugarite>
  - *The uncial package. Uncial manuscript book-hand font.* 2016-07-29. LICENSE: lppl  
URL: <https://ctan.org/pkg/uncial>  
MIRROR: <https://mirror.ctan.org/fonts/bookhands/uncial>
  - *The webguide package. Brief Guide to L<sup>A</sup>T<sub>E</sub>X Tools for Web publishing.* 2016-06-24. LICENSE: other-free  
URL: <https://ctan.org/pkg/webguide>  
MIRROR: <https://mirror.ctan.org/info/webguide>
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URL: <https://ctan.org/pkg/ledmac>  
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 URL: <https://ctan.org/pkg/memhfixc>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/memoir>
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 URL: <https://ctan.org/pkg/sarabian>  
 MIRROR: <https://mirror.ctan.org/fonts/archaic/sarabian>
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 MIRROR: <https://mirror.ctan.org/fonts/psfonts/corelpak>
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 URL: <https://ctan.org/pkg/a5comb>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/a5comb>
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 URL: <https://ctan.org/pkg/afmtop1-wolczko>  
 MIRROR: <https://mirror.ctan.org/fonts/utilities/afmtop1/wolczko>
  - *The romaneg package. Roman page numbers negative*. 2016-06-24. LICENSE: pd. Causes the page numbers in the DVI file (as defined by ) to be negative when roman pagenumbers is in effect.  
 URL: <https://ctan.org/pkg/romaneg>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/romaneg>
  - *The smalltalk package. Typeset Smalltalk program fragments*. 2016-06-24. Version 3. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/smalltalk>  
 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/smalltalk.sty>
  - *The vdm package. Typesetting VDM schemas*. 2016-06-24. Version 4.00. LICENSE: noinfo  
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 MIRROR: <https://mirror.ctan.org/macros/latex209/contrib/misc/alltt2.sty>
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 MIRROR: <https://mirror.ctan.org/dviware/vutex>
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 LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/bredzenie>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bredzenie>
- *The mwcls package. Polish-oriented document classes*. 2018-01-06. Version 0.75. LICENSE: lppl1.2. mwcls is a set of document classes for L<sup>A</sup>T<sub>E</sub>X 2e designed with Polish typographical tradition in mind. Classes include: “ (which is a replacement for “), “ (replacing “), and ” (replacing ”). Most features present in standard classes work with mwcls classes. Some extensions/exceptions include: sectioning commands allow for second optional argument (it is possible to state different texts for running head and for TOC), new environments “ and ” for lists with long items, page styles have variants for normal, opening, closing, and blank pages.  
 URL: <https://ctan.org/pkg/mwcls>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mwcls>
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 URL: <https://ctan.org/pkg/ffslides>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ffslides>
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 URL: <https://ctan.org/pkg/pbmtogf>  
 MIRROR: <https://mirror.ctan.org/fonts/utilities/pbmtogf>
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 URL: <https://ctan.org/pkg/at>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mdwtools>
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 URL: <https://ctan.org/pkg/cmtt>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mdwtools>
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 URL: <https://ctan.org/pkg/dafter>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mdwtools>
  - *The footnote package. Improve on L<sup>A</sup>T<sub>E</sub>X’s footnote handling*. 2016-06-24. Version 1.13. LICENSE: gpl  
 URL: <https://ctan.org/pkg/footnote>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mdwtools>
  - *The mdwfonts package. A model for font manipulation*. 2016-06-24. Version 1.2. LICENSE: gpl  
 URL: <https://ctan.org/pkg/mdwfonts>  
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  - *The mdwlist package. Miscellaneous list-related commands*. 2016-06-24. LICENSE: gpl  
 URL: <https://ctan.org/pkg/mdwlist>  
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  - *The mdwmath package. Some maths extensions*. 2016-06-24. Version 1.1. LICENSE: gpl  
 URL: <https://ctan.org/pkg/mdwmath>  
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  - *The mdwtab package. A reimplementatation of tabular and array environments*. 2016-06-24. Version 1.9. LICENSE: gpl  
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  - *The mdwtools package. Miscellaneous tools by Mark Wooding*. 2016-06-24. Version 1.05.4. LICENSE: gpl  
 URL: <https://ctan.org/pkg/mdwtools>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/mdwtools>
  - *The sverb package. A set of verbatim text manipulations*. 2020-05-09. Version 1.3. LICENSE: gpl  
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 URL: <https://ctan.org/pkg/biblatex-ieee>  
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 URL: <https://ctan.org/pkg/bxepic>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bxepic>
  - *The bxenclose package. Enclose the document body with some pieces of code*. 2022-07-31. Version 0.2. LICENSE: mit  
 URL: <https://ctan.org/pkg/bxenclose>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bxenclose>
  - *The BXjalipsum package. Dummy text in Japanese*. 2023-02-21. Version 1.0. LICENSE: mit  
 URL: <https://ctan.org/pkg/bxjalipsum>  
 MIRROR: <https://mirror.ctan.org/language/japanese/BX/bxjalipsum>
  - *The BXjaprnind package. Adjust the position of parentheses at paragraph head*. 2021-06-19. Version 0.4a. LICENSE: mit  
 URL: <https://ctan.org/pkg/bxjaprnind>  
 MIRROR: <https://mirror.ctan.org/language/japanese/BX/bxjaprnind>
  - *The bxjatoucs package. Convert Japanese character code to Unicode*. 2019-10-24. Version 0.2. LICENSE: mit  
 URL: <https://ctan.org/pkg/bxjatoucs>  
 MIRROR: <https://mirror.ctan.org/language/japanese/BX/bxjatoucs>
  - *The BXjscls package. Japanese document class collection for all major engines*. 2022-04-12. Version 2.7a. LICENSE: bsd2. This package provides an extended version of the Japanese document class collection provided by . While the original version supports only pL<sup>A</sup>T<sub>E</sub>X and uL<sup>A</sup>T<sub>E</sub>X, the extended version also supports pdfL<sup>A</sup>T<sub>E</sub>X, X<sub>Y</sub>L<sup>A</sup>T<sub>E</sub>X and LuaL<sup>A</sup>T<sub>E</sub>X, with the aid of suitable packages that provide capability of Japanese typesetting.  
 URL: <https://ctan.org/pkg/bxjscls>  
 MIRROR: <https://mirror.ctan.org/language/japanese/BX/bxjscls>
  - *The bxnewfont package. Enhanced \newfont command*. 2022-07-31. Version 0.2b. LICENSE: mit. This package provides a new command . It is similar to the old (and deprecated) command in function, but is more compatible with NFSS. In particular, one can safely change font size after invoking a font command defined by . The new command will be useful to users who know much of the old command, but are unfamiliar with the details of NFSS.  
 URL: <https://ctan.org/pkg/bxnewfont>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bxnewfont>
  - *The bxorigcapt package. To retain the original caption names when using Babel*. 2022-07-31. Version 1.0. LICENSE: mit. This package forces the caption names (, , etc) declared by the document class in use to be used as the caption names for a specific language introduced by the Babel package.  
 URL: <https://ctan.org/pkg/bxorigcapt>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bxorigcapt>
  - *The bxpapersize package. Synchronize output paper size with layout paper size*. 2022-04-29. Version 0.6. LICENSE: mit  
 URL: <https://ctan.org/pkg/bxpapersize>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bxpapersize>
  - *The bxpdfver package. Specify version and compression level of output PDF files*. 2022-04-30. Version 0.6. LICENSE: mit  
 URL: <https://ctan.org/pkg/bxpdfver>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bxpdfver>

- Yato, Takayuki. *The bxtexlogo package. Additional T<sub>E</sub>X-family logos*. 2022-05-05. Version 0.6. LICENSE: mit  
 URL: <https://ctan.org/pkg/bxtexlogo>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bxtexlogo>
- *The bxwareki package. Convert dates from Gregorian to Japanese calendar*. 2019-06-01. Version 0.6. LICENSE: mit  
 URL: <https://ctan.org/pkg/bxwareki>  
 MIRROR: <https://mirror.ctan.org/language/japanese/BX/bxwareki>
  - *The ifptex package. Check if the engine is pT<sub>E</sub>X or one of its derivatives*. 2022-04-08. Version 2.2. LICENSE: mit. The package is a counterpart of `ifxetex`, etc. for the engine. The package is an alias to `ifxetex` provided for backward compatibility.  
 URL: <https://ctan.org/pkg/ifptex>  
 MIRROR: <https://mirror.ctan.org/macros/generic/ifptex>
  - *The ipaex-type1 package. IPAex fonts converted to Type-1 format Unicode subfonts*. 2018-05-13. Version 0.5. LICENSE: other-free  
 URL: <https://ctan.org/pkg/ipaex-type1>  
 MIRROR: <https://mirror.ctan.org/fonts/ipaex-type1>
  - *The jfmutil package. Utility to process pT<sub>E</sub>X-extended TFM and VF*. 2021-11-07. Version 1.3.3. LICENSE: mit. This program provides functionality to process data files (JFM and VF) that form logical fonts used in `fontspec`. The functions currently available include:  
 URL: <https://ctan.org/pkg/jfmutil>  
 MIRROR: <https://mirror.ctan.org/fonts/utilities/jfmutil>
  - *The pxbase package. Tools for use with (u)pL<sub>A</sub>T<sub>E</sub>X*. 2023-02-26. Version 1.4. LICENSE: mit. The main purpose of this package is to provide auxiliary functions which are utilized by other packages created by the same author. It also provides a few user commands to assist in creating Japanese documents using `fontspec`.  
 URL: <https://ctan.org/pkg/pxbase>  
 MIRROR: <https://mirror.ctan.org/macros/jptex/latex/pxbase>
  - *The pxchfon package. Japanese font setup for pL<sub>A</sub>T<sub>E</sub>X and upL<sub>A</sub>T<sub>E</sub>X*. 2023-02-21. Version 1.9a. LICENSE: mit  
 URL: <https://ctan.org/pkg/pxchfon>  
 MIRROR: <https://mirror.ctan.org/macros/jptex/latex/pxchfon>
  - *The pxcjkcat package. L<sub>A</sub>T<sub>E</sub>X interface for the CJK category codes of upT<sub>E</sub>X*. 2022-07-20. Version 1.4. LICENSE: mit  
 URL: <https://ctan.org/pkg/pxcjkcat>  
 MIRROR: <https://mirror.ctan.org/macros/jptex/latex/pxcjkcat>
  - *The pxjahyper package. Hyperref support for pL<sub>A</sub>T<sub>E</sub>X*. 2023-02-28. Version 1.3. LICENSE: mit  
 URL: <https://ctan.org/pkg/pxjahyper>  
 MIRROR: <https://mirror.ctan.org/macros/jptex/latex/pxjahyper>
  - *The pxjodel package. Help change metrics of fonts from japanese-otf*. 2022-07-31. Version 0.3. LICENSE: mit  
 URL: <https://ctan.org/pkg/pxjodel>  
 MIRROR: <https://mirror.ctan.org/macros/jptex/latex/pxjodel>
  - *The pxpgfmark package. e-pT<sub>E</sub>X driver for PGF inter-picture connections*. 2016-12-18. Version 0.2. LICENSE: mit  
 URL: <https://ctan.org/pkg/pxpgfmark>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/pxpgfmark>
  - *The pxrubrica package. Ruby annotations according to JIS X 4051*. 2023-03-02. Version 1.3e. LICENSE: mit  
 URL: <https://ctan.org/pkg/pxrubrica>  
 MIRROR: <https://mirror.ctan.org/macros/jptex/latex/pxrubrica>
  - *The pxufont package. Emulate non-Unicode Japanese fonts using Unicode fonts*. 2022-07-31. Version 0.6. LICENSE: mit  
 URL: <https://ctan.org/pkg/pxufont>  
 MIRROR: <https://mirror.ctan.org/macros/jptex/latex/pxufont>
  - *The zxjafont package. Fallback CJK font support for XeL<sub>A</sub>T<sub>E</sub>X*. 2016-12-18. Version 0.2. LICENSE: mit  
 URL: <https://ctan.org/pkg/zxjafont>  
 MIRROR: <https://mirror.ctan.org/language/japanese/zxjafont>
  - *The ZXjafont package. Set up Japanese font families for XeL<sub>A</sub>T<sub>E</sub>X*. 2022-03-21. Version 1.3. LICENSE: mit  
 URL: <https://ctan.org/pkg/zxjafont>  
 MIRROR: <https://mirror.ctan.org/language/japanese/zxjafont>
  - *The ZXjatype package. Standard conforming typesetting of Japanese, for XeL<sub>A</sub>T<sub>E</sub>X*. 2020-01-21. Version 0.7. LICENSE: mit  
 URL: <https://ctan.org/pkg/zxjatype>  
 MIRROR: <https://mirror.ctan.org/language/japanese/zxjatype>
- Yavuz, Volkan. *The glosstex package. Prepare glossaries in L<sub>A</sub>T<sub>E</sub>X*. 2016-06-24. LICENSE: gpl. GlossT<sub>E</sub>X is a tool for the automatic preparation of glossaries, lists of acronyms and sorted lists in general for use with L<sub>A</sub>T<sub>E</sub>X and MakeIndex. GlossT<sub>E</sub>X combines the functionality of `glossaries` and `glossaries-plain` and provides some new features. Various binaries are available in the `bin` subdirectory.



- URL: <https://ctan.org/pkg/glosstex>  
MIRROR: <https://mirror.ctan.org/support/glosstex>
- Ye, Lei. *The uowthesis package. Document class for dissertations at the University of Wollongong*. 2016-06-24. Version 1.0a. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/uowthesis>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/uowthesis>
- Yi, Qu. *The easybook package. Easily typesetting Chinese theses or books*. 2022-11-08. Version 1.71D. LICENSE: lppl1.3c. is a pure academic template created based on the book document class. It also has the functions of and document class. Combined with the general framework design of the dissertation of many universities in China, providing multiple commands and interfaces allows users to easily customize the thesis template. Its basic macro package easybase can also be used with CTeX and standard document classes.  
URL: <https://ctan.org/pkg/easybook>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/easybook>
- *The spbmark package. Customize superscripts and subscripts*. 2022-10-15. Version 1.42. LICENSE: cc-by-4. This package provides three commands , and to improve the layout of superscripts and subscripts which can be adjusted with respect to relative position and format, and can be used in text and math mode.  
URL: <https://ctan.org/pkg/spbmark>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/spbmark>
- Yin, Zhenhao. *The hfutthesis package. L<sup>A</sup>T<sub>E</sub>X Thesis Template for Hefei University of Technology*. 2022-08-02. Version 1.0.4. LICENSE: lppl1.3c. This project is based on the L<sup>A</sup>T<sub>E</sub>X template of Hefei University of Technology compiled on the basis of , in accordance with the latest version of and .  
URL: <https://ctan.org/pkg/hfutthesis>  
MIRROR: <https://mirror.ctan.org/macros/xetex/latex/hfutthesis>
- You, Jiarui. *The qyxf-book package. Book Template for Qian Yuan Xue Fu*. 2020-09-11. Version 3.1.0. LICENSE: mit  
URL: <https://ctan.org/pkg/qyxf-book>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/qyxf-book>
- Young, Joel D. *The afthesis package. Air Force Institute of Technology thesis class*. 2016-06-24. Version 2.7. LICENSE: pd  
URL: <https://ctan.org/pkg/afthesis>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/afthesis>
- Yuan, Xu. *The seuthesis package. L<sup>A</sup>T<sub>E</sub>X template for theses at Southeastern University*. 2018-04-05. Version 2.1.2. LICENSE: gpl3  
URL: <https://ctan.org/pkg/seuthesis>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/seuthesis>
- Yuan, Xu and The PGF/TikZ Team. *The pgf-umlcd package. Some L<sup>A</sup>T<sub>E</sub>X macros for UML Class Diagrams*. 2022-05-22. Version 0.3. LICENSE: gpl2,lppl1.3c  
URL: <https://ctan.org/pkg/pgf-umlcd>  
MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/pgf-umlcd>
- Zabelin, Anatoly A. *The hoffset-voffset package. Calculate values for \hoffset and \voffset*. 2016-06-24. LICENSE: lppl  
URL: <https://ctan.org/pkg/hoffset-voffset>  
MIRROR: <https://mirror.ctan.org/support/hoffset-voffset>
- Zacccone, Rick. *The excalibur package. Macintosh spell checker*. 2017-04-18. Version 4.0.6. LICENSE: gpl  
URL: <https://ctan.org/pkg/excalibur>  
MIRROR: <https://mirror.ctan.org/systems/mac/support/excalibur>
- Zach, Richard. *The bussproofs-extra package. Extra commands for bussproofs.sty*. 2019-06-02. Version 0.4. LICENSE: lppl1.3c. This package provides additional functionality for ; specifically, it allows for typesetting of entire (sub)deductions.  
URL: <https://ctan.org/pkg/bussproofs-extra>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/bussproofs-extra>
- *The keyindex package. Index entries by key lookup*. 2019-05-01. Version 1.0. LICENSE: lppl1.3c. The package provides functionality for producing an index without directly entering index entries into the text using the command, but instead by looking up short keys and printing a predefined string in the main text and adding a corresponding index entry. The standard use case is the production of an index of names.  
URL: <https://ctan.org/pkg/keyindex>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/keyindex>
  - *The lplfitch package. Fitch-style natural deduction proofs*. 2017-04-18. Version 0.9. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/lplfitch>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/lplfitch>



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 URL: <https://ctan.org/pkg/ptolemaicastronomy>  
 MIRROR: <https://mirror.ctan.org/graphics/pgf/contrib/ptolemaicastronomy>
- *The ucalgmthesis package. L<sup>A</sup>T<sub>E</sub>X thesis class for University of Calgary Faculty of Graduate Studies*. 2023-03-19. LICENSE: mit  
 URL: <https://ctan.org/pkg/ucalgmthesis>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/ucalgmthesis>
- Zachhuber, Jonathan. *The geschichtsfkrl package. BibL<sup>A</sup>T<sub>E</sub>X style for historians*. 2016-09-21. Version 1.4. LICENSE: lppl  
 URL: <https://ctan.org/pkg/geschichtsfkrl>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/biblatex-contrib/geschichtsfkrl>
- Zadka, Moshe. *The viiptart package. 7pt-article class*. 2016-06-24. Version 0.1. LICENSE: other-free. An article-like document class whose is 7pt rather than 10pt.  
 URL: <https://ctan.org/pkg/viiptart>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/viiptart>
- Zahumensky, Adam. *The kanaparser package. Kana parser for LuaT<sub>E</sub>X*. 2018-06-24. Version 1.0. LICENSE: bsd  
 URL: <https://ctan.org/pkg/kanaparser>  
 MIRROR: <https://mirror.ctan.org/macros/luatex/generic/kanaparser>
- Zaia, Emilio Augusto Lazo. *The elzcards package. Typeset business cards, index cards and flash cards easily*. 2019-08-17. Version 1.60. LICENSE: lppl1.3  
 URL: <https://ctan.org/pkg/elzcards>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/elzcards>
- *The factura package. Typeset and calculate invoices according to Venezuelan law*. 2022-01-22. Version 4.32. LICENSE: lppl1.3c  
 URL: <https://ctan.org/pkg/factura>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/factura>
- Zaitseff, John. *The unswthesis package. UNSW theses*. 2016-06-24. Version 1.6a. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/unswthesis>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/unswthesis>
- Zakharevich, Ilya. *The mathsci2bibtex package. Convert Mathsci database information to BibT<sub>E</sub>X*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/mathsci2bibtex>  
 MIRROR: <https://mirror.ctan.org/biblio/bibtex/utils/mathsci2bibtex>
- *The tex2mail package. Converts T<sub>E</sub>X to mailable "ASCII art"*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/tex2mail>  
 MIRROR: <https://mirror.ctan.org/support/tex2mail>
- Zalmstra, Joost. *The figplace package. Floating figures in Plain T<sub>E</sub>X*. 2016-06-24. LICENSE: noinfo  
 URL: <https://ctan.org/pkg/figplace>  
 MIRROR: <https://mirror.ctan.org/macros/plain/contrib/misc/figplace.tex>
- Zandt, Timothy Van. *The fancybox package. Variants of \fbox and other games with boxes*. 2016-06-24. Version 1.4. LICENSE: lppl1.2. Provides variants of : , , , , with helpful tools for using box macros and flexible verbatim macros. You can box mathematics, floats, center, flushleft, and flushright, lists, and pages.  
 URL: <https://ctan.org/pkg/fancybox>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fancybox>
- *The poster-mac package. Make posters and banners with T<sub>E</sub>X*. 2016-06-24. Version 1.1. LICENSE: lppl  
 URL: <https://ctan.org/pkg/poster-mac>  
 MIRROR: <https://mirror.ctan.org/macros/generic/poster>
- Zandt, Timothy Van, Rolf Niepraschk, and Herbert Voß. *The multido package. A loop facility for Generic T<sub>E</sub>X*. 2018-09-15. Version 1.42. LICENSE: lppl. The package provides the command, which was originally designed for use with . Fixed-point arithmetic is used when working on the loop variable, so that the package is equally applicable in graphics applications like PSTricks as it is with the more common integer loops.  
 URL: <https://ctan.org/pkg/multido>  
 MIRROR: <https://mirror.ctan.org/macros/generic/multido>
- Zandt, Timothy Van, Sebastian Rahtz, Denis Girou, and Herbert Voß. *The seminar package. Make overhead slides*. 2021-07-01. Version 1.63a. LICENSE: lppl1.2  
 URL: <https://ctan.org/pkg/seminar>  
 MIRROR: <https://mirror.ctan.org/macros/latex/contrib/seminar>
- Zandt, Timothy Van, Michael Sharpe, and Herbert Voß. *The pst-node package. Nodes and node connections in PSTricks*. 2022-01-31. Version 1.43. LICENSE: lppl

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MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-node>
- Zandt, Timothy Van and Herbert Voß. *The colortab package. Shade cells of tables and halign*. 2018-01-06. Version 1.0. LICENSE: lppl  
URL: <https://ctan.org/pkg/colortab>  
MIRROR: <https://mirror.ctan.org/macros/generic/colortab>
- *The frame package. Framed boxes for Plain  $\TeX$* . 2016-06-24. Version 1.0. LICENSE: lppl. A jiffy file (taken from ) for placing a frame around a box of text. The macros also provide for typesetting an empty box of given dimensions.  
URL: <https://ctan.org/pkg/frame>  
MIRROR: <https://mirror.ctan.org/macros/generic/frame>
  - *The pst-3d package. A PSTricks package for tilting and other pseudo-3D tricks*. 2016-06-24. Version 1.10. LICENSE: lppl. The package provides basic macros that use for shadows, tilting and three dimensional representations of text or graphical objects.  
URL: <https://ctan.org/pkg/pst-3d>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-3d>
  - *The pst-ovl package. Create and manage graphical overlays*. 2020-05-01. Version 0.07b. LICENSE: lppl  
URL: <https://ctan.org/pkg/pst-ovl>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-ovl>
  - *The pst-plot package. Plot data using PSTricks*. 2022-12-14. Version 1.94. LICENSE: lppl. The package provides plotting of data (typically from external files), using . Plots may be configured using a wide variety of parameters.  
URL: <https://ctan.org/pkg/pst-plot>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-plot>
  - *The pst-tvz package. Draw trees with more than one root node, using PSTricks*. 2016-06-24. Version 1.01. LICENSE: lppl1.3. The package uses PSTricks to draw trees with more than one root node. It is similar to , though it uses a different placement algorithm.  
URL: <https://ctan.org/pkg/pst-tvz>  
MIRROR: <https://mirror.ctan.org/graphics/pstricks/contrib/pst-tvz>
  - *The twoup-gen package. Macros to print two-up*. 2020-05-09. Version 1.3a. LICENSE: lppl  
URL: <https://ctan.org/pkg/twoup-gen>  
MIRROR: <https://mirror.ctan.org/macros/generic/2up>
  - *The xcomment package. Allows selected environments to be included/excluded*. 2019-06-09. Version 1.3. LICENSE: lppl  
URL: <https://ctan.org/pkg/xcomment>  
MIRROR: <https://mirror.ctan.org/macros/generic/xcomment>
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URL: <https://ctan.org/pkg/fancyvrb>  
MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fancyvrb>
- Zannarini, Emanuele and Mauro Sacchetto. *The l2tabu-italian package. Italian Translation of Obsolete packages and commands*. 2016-06-24. Version 2.3. LICENSE: other-free. Italian translation of the practical guide to L<sup>A</sup>T<sub>E</sub>X<sub>2</sub>ε (a list of obsolete packages and commands).  
URL: <https://ctan.org/pkg/l2tabu-italian>  
MIRROR: <https://mirror.ctan.org/info/l2tabu/italian>
- Zaretskii, Eli. *The djgpp package. DJGPP-based version of  $\TeX$  for MS-DOS*. 2019-09-12. LICENSE: noinfo  
URL: <https://ctan.org/pkg/djgpp>  
MIRROR: <https://mirror.ctan.org/systems/msdos/djgpp>
- Zaslavsky, David. *The physymb package. Assorted macros for Physicists*. 2016-06-24. Version 0.3. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/physymb>  
MIRROR: <https://mirror.ctan.org/obsolete/macros/latex/contrib/physymb>
- Zavala, Roberto Alvarez. *The nahuatl package. Render nahuatl glyphs*. 2021-10-15. Version 0.1. LICENSE: lppl1.3  
URL: <https://ctan.org/pkg/nahuatl>  
MIRROR: <https://mirror.ctan.org/fonts/nahuatl>
- Zedler, Michael and Michael Sharpe. *The Fouriernc package. Use New Century Schoolbook text with Fourier maths fonts*. 2016-06-24. LICENSE: lppl. This package provides a L<sup>A</sup>T<sub>E</sub>X mathematics font setup for use with New Century Schoolbook text. In order to use it you need to have the fonts installed.  
URL: <https://ctan.org/pkg/fouriernc>  
MIRROR: <https://mirror.ctan.org/fonts/fouriernc>
- Zeman, Michal. *The fnspe package. Macros for supporting mainly students of FNSPE CTU in Prague*. 2017-09-20. Version 1.2a. LICENSE: lppl

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MIRROR: <https://mirror.ctan.org/macros/latex/contrib/fnspe>
- Zeng, Xiangdong. *The emoji package. Emoji support in (Lua)LaTeX*. 2021-07-17. Version 0.2.2. LICENSE: lppl1.3c. This package allows users to typeset emojis in L<sup>A</sup>T<sub>E</sub>X documents. It requires the LuaHBTeX engine, which can be called by since T<sub>E</sub>X Live 2020, or in T<sub>E</sub>X Live 2019.  
URL: <https://ctan.org/pkg/emoji>  
MIRROR: <https://mirror.ctan.org/macros/luatex/latex/emoji>
- *The fduthesis package. L<sup>A</sup>T<sub>E</sub>X thesis template for Fudan University*. 2023-02-26. Version 0.9. LICENSE: lppl1.3c  
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