

| LaTeX Snippets. See Goosens, M., Mittelbach, F. <i>The LaTeX Companion</i> . 2 ed. for a detailed explanation of each command | | | | | |
|---|--|---------|-------------|--------|----------|
| structure.lua | | | | | |
| Document preamble | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Document class | <code>\documentclass{document-class}</code> | doc | no | no | --- |
| | <code>\documentclass[class-options]{document-class}</code> | | | | |
| Use package | <code>\usepackage{package-name}</code> | pk | no | no | --- |
| | <code>\usepackage[package-options]{package-name}</code> | | | | |
| Title | <code>\title{...}</code> | tl | no | no | --- |
| Author | <code>\author{...}</code> | aut | no | no | --- |
| Date | <code>\date{...}</code> | dat | no | no | --- |
| Section | <code>\begin{document}</code> | bd | no | no | --- |
| | ... | | | | |
| | <code>\end{document}</code> | | | | |
| Sectioning | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Section | <code>\section{title}</code> | scn | no | yes | --- |
| | <code>\section*{title}</code> | | | | |
| | <code>\section[toc-entry]{title}</code> | | | | |
| Subsection | <code>\subsection{title}</code> | sbn | no | yes | --- |
| | <code>\subsection*{title}</code> | | | | |
| | <code>\subsection[toc-entry]{title}</code> | | | | |
| Subsubsection | <code>\subsubsection{title}</code> | ssn | no | yes | --- |
| | <code>\subsubsection*{title}</code> | | | | |
| | <code>\subsubsection[toc-entry]{title}</code> | | | | |
| Chapter | <code>\chapter{title}</code> | chr | no | yes | --- |
| | <code>\chapter*{title}</code> | | | | |
| | <code>\chapter[toc-entry]{title}</code> | | | | |
| Part | <code>\part{title}</code> | prt | no | yes | --- |
| | <code>\part*{title}</code> | | | | |
| | <code>\part[toc-entry]{title}</code> | | | | |
| Paragraph | <code>\paragraph{title}</code> | par | no | yes | --- |
| | <code>\paragraph*{title}</code> | | | | |
| | <code>\paragraph[toc-entry]{title}</code> | | | | |
| Subparagraph | <code>\subparagraph{title}</code> | sbp | no | yes | --- |
| | <code>\subparagraph*{title}</code> | | | | |
| | <code>\subparagraph[toc-entry]{title}</code> | | | | |
| hyperref jump to correct page | <code>\phantomsection</code> | phs | no | no | --- |
| Add entry to list | <code>\addcontentsline{file}{sec-unit}{list-entry}</code> | add | no | no | --- |
| Twoside headers | <code>\markboth{left}{right}</code> | mkb | no | no | --- |
| Maketitle | <code>\maketitle</code> | mkt | no | no | --- |
| Table of contents | <code>\tableofcontents</code> | mkb | no | no | --- |
| List of tables | <code>\listoftables</code> | lot | no | no | --- |
| List of figures | <code>\listoffigures</code> | lof | no | no | --- |
| Makeindex | <code>\makeindex</code> | mki | no | no | makeidx |
| Print index | <code>\printindex</code> | pix | no | no | makeidx |
| PDF bookmark | <code>\texorpdfstring{tex}{bookmark}</code> | pdf | no | yes | hyperref |
| Lecture section | <code>\seclecture{title}{date}</code> | lec | no | yes | * |
| Lecture subsection | <code>\sublecture{title}{date}</code> | les | no | yes | * |
| Insert system date | <code>%a %d %b %y</code> | date | no | no | --- |
| Marginpar timestamp | <code>\marginpar{\footnotesize\textsf{date}}</code> | tim | no | no | --- |
| Cross-references | | | | | |
| Labels | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Generic label | <code>\label{key}</code> | lge | no | no | --- |
| Label section | <code>\label{sec:key}</code> | lsn | no | no | --- |
| Label subsection | <code>\label{sub:key}</code> | lsb | no | no | --- |
| Label subsubsection | <code>\label{ssub:key}</code> | lss | no | no | --- |
| Label chapter | <code>\label{ch:key}</code> | lch | no | no | --- |
| Label paragraph | <code>\label{par:key}</code> | lpa | no | no | --- |
| Label subparagraph | <code>\label{subpar:key}</code> | lsp | no | no | --- |
| Label equation | <code>\label{eq:key}</code> | lbe | no | no | --- |
| Label theorem | <code>\label{thm:key}</code> | lbt | no | no | --- |
| Label proposition | <code>\label{prop:key}</code> | lps | no | no | --- |

| | | | | | |
|-------------------------|-------------------|---------|-------------|--------|----------|
| Label lemma | \label{lem:key} | lle | no | no | --- |
| Label corollary | \label{cor:key} | lco | no | no | --- |
| Label definition | \label{def:key} | lde | no | no | --- |
| Label remark | \label{rem:key} | lre | no | no | --- |
| Label exercise | \label{ex:key} | lex | no | no | --- |
| Label example | \label{eg:key} | leg | no | no | --- |
| Label principle | \label{princ:key} | lpn | no | no | --- |
| Label item | \label{it:key} | lbi | no | no | --- |
| Label figure | \label{fig:key} | lfg | no | no | --- |
| Label table | \label{tbl:key} | lta | no | no | --- |
| Reference commands | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Generic reference | \ref{key} | rge | no | no | --- |
| | \cref{key} | | | | cleveref |
| | \Cref{key} | | | | cleveref |
| Reference section | \ref{sec:key} | rsn | no | no | --- |
| | \cref{sec:key} | | | | cleveref |
| | \Cref{sec:key} | | | | cleveref |
| Reference subsection | \ref{sub:key} | rsb | no | no | --- |
| | \cref{sub:key} | | | | cleveref |
| | \Cref{sub:key} | | | | cleveref |
| Reference subsubsection | \ref{ssub:key} | rss | no | no | --- |
| | \cref{ssub:key} | | | | cleveref |
| | \Cref{ssub:key} | | | | cleveref |
| Reference chapter | \ref{ch:key} | rch | no | no | --- |
| | \cref{ch:key} | | | | cleveref |
| | \Cref{ch:key} | | | | cleveref |
| Reference paragraph | \ref{par:key} | rpa | no | no | --- |
| | \cref{par:key} | | | | cleveref |
| | \Cref{par:key} | | | | cleveref |
| Reference subparagraph | \ref{subpar:key} | rsp | no | no | --- |
| | \cref{subpar:key} | | | | cleveref |
| | \Cref{subpar:key} | | | | cleveref |
| Reference equation | \eqref{eq:key} | rfe | no | no | --- |
| | \cref{eq:key} | | | | cleveref |
| | \Cref{eq:key} | | | | cleveref |
| Reference theorem | \ref{thm:key} | rft | no | no | --- |
| | \cref{thm:key} | | | | cleveref |
| | \Cref{thm:key} | | | | cleveref |
| Reference proposition | \ref{prop:key} | rps | no | no | --- |
| | \cref{prop:key} | | | | cleveref |
| | \Cref{prop:key} | | | | cleveref |
| Reference lemma | \ref{lem:key} | rle | no | no | --- |
| | \cref{lem:key} | | | | cleveref |
| | \Cref{lem:key} | | | | cleveref |
| Reference corollary | \ref{cor:key} | rco | no | no | --- |
| | \cref{cor:key} | | | | cleveref |
| | \Cref{cor:key} | | | | cleveref |
| Reference definition | \ref{def:key} | rde | no | no | --- |
| | \cref{def:key} | | | | cleveref |
| | \Cref{def:key} | | | | cleveref |
| Reference remark | \ref{rem:key} | rre | no | no | --- |
| | \cref{rem:key} | | | | cleveref |
| | \Cref{rem:key} | | | | cleveref |
| Reference exercise | \ref{ex:key} | rex | no | no | --- |
| | \cref{ex:key} | | | | cleveref |
| | \Cref{ex:key} | | | | cleveref |
| Reference example | \ref{eg:key} | reg | no | no | --- |
| | \cref{eg:key} | | | | cleveref |
| | \Cref{eg:key} | | | | cleveref |
| Reference principle | \ref{princ:key} | rpn | no | no | --- |
| | \cref{princ:key} | | | | cleveref |
| | \Cref{princ:key} | | | | cleveref |
| Reference item | \ref{it:key} | rfi | no | no | --- |
| | \cref{it:key} | | | | cleveref |
| | \Cref{it:key} | | | | cleveref |
| | \ref{fig:key} | | | | --- |

| | | | | | |
|-------------------------|---|-------------|-------------|--------|----------|
| Reference figure | <code>\cref{fig:key}</code> | rfg | no | no | cLeveref |
| | <code>\Cref{fig:key}</code> | | | | cLeveref |
| Reference table | <code>\ref{tbl:key}</code> | rta | no | no | --- |
| | <code>\cref{tbl:key}</code> | | | | cLeveref |
| | <code>\Cref{tbl:key}</code> | | | | cLeveref |
| Page reference commands | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Generic page reference | <code>\pageref{key}</code> | pge | no | no | --- |
| Page of section | <code>\pageref{sec:key}</code> | psn | no | no | --- |
| Page of subsection | <code>\pageref{sub:key}</code> | psb | no | no | --- |
| Page of subsubsection | <code>\pageref{ssub:key}</code> | pss | no | no | --- |
| Page of chapter | <code>\pageref{ch:key}</code> | pch | no | no | --- |
| Page of paragraph | <code>\pageref{par:key}</code> | ppa | no | no | --- |
| Page subparagraph | <code>\pageref{subpar:key}</code> | psp | no | no | --- |
| Page of equation | <code>\pageref{eq:key}</code> | peq | no | no | --- |
| Page of theorem | <code>\pageref{thm:key}</code> | pgt | no | no | --- |
| Page of proposition | <code>\pageref{prop:key}</code> | pps | no | no | --- |
| Page of lemma | <code>\pageref{lem:key}</code> | pLe | no | no | --- |
| Page of corollary | <code>\pageref{cor:key}</code> | pco | no | no | --- |
| Page of definition | <code>\pageref{def:key}</code> | pde | no | no | --- |
| Page of remark | <code>\pageref{rem:key}</code> | pre | no | no | --- |
| Page of exercise | <code>\pageref{ex:key}</code> | pex | no | no | --- |
| Page of example | <code>\pageref{eg:key}</code> | peg | no | no | --- |
| Page of principle | <code>\pageref{princ:key}</code> | ppn | no | no | --- |
| Page of item | <code>\pageref{it:key}</code> | pgi | no | no | --- |
| Page of figure | <code>\pageref{fig:key}</code> | pfg | no | no | --- |
| Page of table | <code>\pageref{tbl:key}</code> | pta | no | no | --- |
| formatting.lua | | | | | |
| Formatting | | | | | |
| Text and pages | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| URLs | <code>\url{url}</code> | url | no | yes | url |
| Cancel stroke | <code>\cancel{text}</code> | ca | no | yes | cancel |
| Short verbatim | <code>\verb=text=</code> | vr b | no | yes | --- |
| Enlarged letter | <code>\lettrine{initial}{text}</code> | ltr | no | yes | lettrine |
| | <code>\lettrine[val-list]{initial}{text}</code> | | | | |
| Phantom text | <code></code> | pht | no | yes | --- |
| | <code>\hphantom{...}</code> | | | | |
| | <code>\vphantom{...}</code> | | | | |
| Footnote | <code>\footnote{text}</code> | foo | no | yes | --- |
| Marginal note | <code>\marginpar{text}</code> | mr g | no | yes | --- |
| New page | <code>\newpage</code> | np g | no | no | --- |
| Paragraph break | <code>\bigskip</code> | pp | no | no | --- |
| | ... | | | | |
| Frame box | <code>\fbox{ ... }</code> | fbo | no | yes | --- |
| Color frame box | <code>\fcolorbox{border-color}{bg-color}{ ... }</code> | fco | no | yes | xcolor |
| Centered environment | <code>\begin{center} ... \end{center}</code> | cen | no | yes | --- |
| | | | | | |
| Minipage environment | <code>\begin{minipage}{\linewidth-3\fboxsep-3\fboxrule} ... \end{minipage}</code> | min | no | yes | xcolor |
| Columns | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Multiple columns | <code>\begin{multicols}{columns} ... \end{multicols}</code> | mul | no | no | multicol |
| | <code>\begin{multicols}{columns}[preface] ... \end{multicols}</code> | | | | |
| | <code>\begin{multicols}{columns}[preface][skip] ... \end{multicols}</code> | | | | |
| | | | | | |

| | <code>\end{multicols}</code> | | | | |
|---------------------------------|---|---------|-------------|--------|----------|
| List structures | | | | | |
| Ordered lists | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Item reference format | <code>,ref=\the<...>.\textnormal{\arabic*}</code> | rff | no | no | --- |
| | <code>,ref=\the<...>.\textnormal{\Roman*}</code> | | | | |
| | <code>,ref=\the<...>.\textnormal{\roman*}</code> | | | | |
| | <code>,ref=\the<...>.\textnormal{\Alph*}</code> | | | | |
| | <code>,ref=\the<...>.\textnormal{\alph*}</code> | | | | |
| Unnumbered list | <code>\begin{itemize}</code> <code>\item ...</code> <code>\end{itemize}</code> | tz | no | no | --- |
| Enumerated list | <code>\begin{enumerate}[label=\textnormal{(\arabic*)}]</code> <code>\item ...</code> <code>\end{enumerate}</code> | enn | no | no | enumitem |
| Capital roman enumerated list | <code>\begin{enumerate}[label=\textnormal{(\Roman*)}]</code> <code>\item ...</code> <code>\end{enumerate}</code> | enI | no | no | enumitem |
| Lowercase roman enumerated list | <code>\begin{enumerate}[label=\textnormal{(\roman*)}]</code> <code>\item ...</code> <code>\end{enumerate}</code> | eni | no | no | enumitem |
| Capital latin enumerated list | <code>\begin{enumerate}[label=\textnormal{(\Alph*)}]</code> <code>\item ...</code> <code>\end{enumerate}</code> | enA | no | no | enumitem |
| Lowercase latin enumerated list | <code>\begin{enumerate}[label=\textnormal{(\alph*)}]</code> <code>\item ...</code> <code>\end{enumerate}</code> | ena | no | no | enumitem |
| New item | <code>\item ...</code> | tm | no | no | --- |
| Theorem-like environments | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| New theorem | <code>\begin{theorem}</code> ... <code>\end{theorem}</code> | oo | no | yes | amsthm |
| | <code>\begin{theorem}[name]</code> ... <code>\end{theorem}</code> | | | | |
| | | | | | |
| Proof environment | <code>\begin{proof}</code> ... <code>\end{proof}</code> | pf | no | no | amsthm |
| | <code>\begin{proof}[name]</code> ... <code>\end{proof}</code> | | | | |
| | | | | | |
| New proposition | <code>\begin{proposition}</code> ... <code>\end{proposition}</code> | ps | no | yes | amsthm |
| | <code>\begin{proposition}[name]</code> ... <code>\end{proposition}</code> | | | | |
| | | | | | |
| New corollary | <code>\begin{corollary}</code> ... <code>\end{corollary}</code> | cc | no | yes | amsthm |
| | <code>\begin{corollary}[name]</code> ... <code>\end{corollary}</code> | | | | |
| | | | | | |
| New lemma | <code>\begin{lemma}</code> ... <code>\end{lemma}</code> | ll | no | yes | amsthm |
| | <code>\begin{lemma}[name]</code> ... <code>\end{lemma}</code> | | | | |
| | | | | | |
| New definition | <code>\begin{definition}</code> ... <code>\end{definition}</code> | dd | no | yes | amsthm |
| | <code>\begin{definition}[name]</code> ... <code>\end{definition}</code> | | | | |
| | | | | | |
| | <code>\begin{remark}</code> | | | | |

| | | | | | |
|--------------------------------------|--|---------|-------------|--------|----------|
| New remark | ... | re | no | yes | amsthm |
| | \end{remark} | | | | |
| | \begin{remark}[name] | | | | |
| | ... | | | | |
| New exercise | \end{remark} | | | | |
| | \begin{exercise} | | | | |
| | ... | | | | |
| | \end{exercise} | | | | |
| New example | \begin{exercise} | | | | |
| | \begin{exercise}[name] | | | | |
| | ... | | | | |
| | \end{exercise} | | | | |
| New principle | \begin{example} | | | | |
| | ... | | | | |
| | \end{example} | | | | |
| | \begin{example}[name] | | | | |
| New principle | ... | | | | |
| | \end{example} | | | | |
| | \begin{principle} | | | | |
| | \begin{principle}[name] | | | | |
| floats.lua | | | | | |
| Tabular material | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Table environment | \begin{table}[opt] \begin{tabular}{cols} ... \end{tabular} \end{table} | tab | no | no | --- |
| Array environment | \begin{array}{cols} ... \end{array} | rr | no | no | array |
| Hyphenate text correctly | \hspace{0pt} | hyp | no | no | --- |
| Redefine \ | \arraybackslash | bck | no | no | --- |
| Text alignment | \raggedleft | lt | no | no | --- |
| | \centering | cr | no | no | --- |
| | \raggedright | rt | no | no | --- |
| Tabular row break | \ | br | no | no | --- |
| Horizontal line | \hline | hn | no | no | --- |
| Tabular environment preamble options | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Top column | p{width} | pc | no | no | --- |
| num copies of opts | *{num}{opts} | cop | no | no | --- |
| Vertically centered column | m{width} | mc | no | no | array |
| Bottom column | b{width} | bc | no | no | array |
| Before column options | >{decl} | bl | no | no | array |
| After column option | <{decl} | af | no | no | array |
| Floats | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Caption | \caption{text} | cpt | no | no | --- |
| | \caption[list-entry]{text} | | | | |
| Caption of | \captionof{type}{text} | cof | no | no | caption |
| | \captionof{type}[list-entry]{text} | | | | |
| | \captionof*{type}{text} | | | | |
| Subfloat | \subfloat{object} | sbf | no | no | subfig |
| | \subfloat[caption]{object} | | | | |
| | \subfloat[list-entry][caption]{text} | | | | |
| Sub-numbers for tables | \begin{subtables} ... \end{subtables} | snt | no | no | subfloat |
| Sub-numbers for figures | \begin{subfigures} ... \end{subfigures} | snf | no | no | subfloat |

| fonts.lua | | | | | |
|--|---|---------|-------------|--------|----------|
| Fonts | | | | | |
| Standard size-changing commands | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Tiny font size | <code>\tiny</code> | tny | no | no | --- |
| Scriptsize font size | <code>\scriptsize</code> | scr | no | no | --- |
| Footnote font size | <code>\footnotesize</code> | fot | no | no | --- |
| Small font size | <code>\small</code> | sma | no | no | --- |
| Normalsize font size | <code>\normalsize</code> | nor | no | no | --- |
| Large font size | <code>\large</code> | lar | no | no | --- |
| | <code>\Large</code> | | no | no | |
| | <code>\LARGE</code> | | no | no | |
| Huge font size | <code>\huge</code> | hug | no | no | --- |
| | <code>\Huge</code> | | no | no | |
| Standard font-changing commands and declarations | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Roman family | <code>\textrm{text}</code> | rm | no | yes | --- |
| | <code>\begin{rmfamily}...\end{rmfamily}</code> | | | yes | |
| | <code>\rmfamily</code> | | | no | |
| Sans serif family | <code>\textsf{text}</code> | sf | no | yes | --- |
| | <code>\begin{sffamily}...\end{sffamily}</code> | | | yes | |
| | <code>\sffamily</code> | | | no | |
| Typewriter family | <code>\texttt{text}</code> | tt | no | yes | --- |
| | <code>\begin{ttfamily}...\end{ttfamily}</code> | | | yes | |
| | <code>\ttfamily</code> | | | no | |
| Bold series | <code>\textbf{text}</code> | bf | no | yes | --- |
| | <code>\begin{bfseries}...\end{bfseries}</code> | | | yes | |
| | <code>\bfseries</code> | | | no | |
| Italic shape | <code>\textit{text}</code> | it | no | yes | --- |
| | <code>\begin{itshape}...\end{itshape}</code> | | | yes | |
| | <code>\itshape</code> | | | no | |
| Small caps shape | <code>\textsc{text}</code> | sc | no | yes | --- |
| | <code>\begin{scshape}...\end{scshape}</code> | | | yes | |
| | <code>\scshape</code> | | | no | |
| Emphasized text | <code>\emph{text}</code> | em | no | yes | --- |
| | <code>\begin{em}...\end{em}</code> | | | yes | |
| | <code>\em</code> | | | no | |
| Main font | <code>\textnormal{text}</code> | tn | no | yes | --- |
| | <code>\begin{normalfont}...\end{normalfont}</code> | | | yes | |
| | <code>\normalfont</code> | | | no | |
| math.lua | | | | | |
| Math | | | | | |
| Math alphabet identifiers | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Calligraphic math font | <code>\mathcal{...}</code> | mc | yes | yes | --- |
| Roman math font | <code>\mathrm{...}</code> | mr | yes | yes | --- |
| Bold math font | <code>\mathbf{...}</code> | mb | yes | yes | --- |
| Sans serif math font | <code>\mathsf{...}</code> | ms | yes | yes | --- |
| Typewriter math font | <code>\mathtt{...}</code> | mt | yes | yes | --- |
| Normal math font | <code>\mathnormal{...}</code> | mn | yes | yes | --- |
| Italic math font | <code>\mathit{...}</code> | mi | yes | yes | --- |
| Euler Fraktur math font | <code>\mathfrak{...}</code> | mf | yes | yes | amsfonts |
| Blackboard bold math font | <code>\mathbb{...}</code> | mk | yes | yes | amsfonts |
| Display environments and alignment structures | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Inline display | <code>\$\$...\$</code> | mm | yes | yes | --- |
| Generic environment | <code>\begin{env}</code> ... <code>\end{env}</code> | en | no | yes | --- |
| | <code>\begin{equation*}</code> ... <code>\end{equation*}</code> | nn | no | yes | --- |
| New equation | <code>\begin{equation}</code> ... <code>\end{equation}</code> | | | | amsmath |
| | <code>\begin{multline}</code> ... <code>\end{multline}</code> | | | | |

| | | | | | | |
|-----------------------------|--|--|-----------------|-------------|---------|---------|
| New multiline | <code>\end{multiline}</code> | ml | no | yes | amsmath | |
| | <code>\begin{multiline*}</code> | | | | | |
| | <code>...</code> <code>\end{multiline*}</code> | | | | | |
| Multline gap | <code>\setlength{multlinegap}{0pt}</code> | gap | no | no | amsmath | |
| New split | <code>\begin{split}</code> | sp | no | yes | amsmath | |
| | <code>...</code> | | | | | |
| | <code>\end{split}</code> | | | | | |
| New gather | <code>\begin{gather}</code> | gg | no | yes | amsmath | |
| | <code>...</code> | | | | | |
| | <code>\end{gather}</code> | | | | | |
| | <code>\begin{gather*}</code> | | | | | |
| New align | <code>...</code> <code>\end{align*}</code> | aa | no | yes | amsmath | |
| | <code>\begin{gather*}</code> | | | | | |
| | <code>...</code> | | | | | |
| | <code>\end{gather*}</code> | | | | | |
| New align | <code>\begin{align*}</code> | aa | no | yes | amsmath | |
| | <code>...</code> | | | | | |
| | <code>\end{align*}</code> | | | | | |
| | <code>\begin{align}</code> | | | | | |
| New flalign | <code>...</code> <code>\end{flalign}</code> | fal | no | yes | amsmath | |
| | <code>\begin{flalign*}</code> | | | | | |
| | <code>...</code> | | | | | |
| | <code>\end{flalign*}</code> | | | | | |
| New cases environment | <code>\begin{cases}</code> <code>...</code> <code>\end{cases}</code> | <code>[case-num]cs</code> | yes | no | amsmath | |
| Display line break | <code>\\</code> <code>...</code> | br | yes | no | | |
| Short text between lines | <code>\intertext{text}</code> | itr | yes | yes | amsmath | |
| Text inside display | <code>\text{text}</code> | tx | yes | yes | amsmath | |
| Display page break | <code>\displaybreak</code> | dib | yes | no | amsmath | |
| Displaystyle | <code>\displaystyle</code> | dis | yes | no | --- | |
| Textstyle | <code>\textstyle</code> | ty | yes | no | --- | |
| Equation numbering and tags | | | | | | |
| Name | Command | | Snippet | Autosnippet | Visual | Package |
| Suppress equation tag | <code>\notag</code> | | ntg | yes | no | amsmath |
| Equation tag | <code>\tag{tag}</code> | | tag | yes | yes | amsmath |
| | <code>\tag*{tag}</code> | | | | | |
| Last equation number | <code>\theequation</code> | | teq | no | no | --- |
| Matrix-like environments | | | | | | |
| Name | Command | Snippet | | Autosnippet | Visual | Package |
| New matrix | <code>\begin{p b B v V matrix}</code> | <code>{p b B v V }{rows}x{cols}</code> | | yes | no | amsmath |
| | <code>...</code> | | | | | |
| | <code>\end{p b B v V matrix}</code> | | | | | |
| New homogeneous matrix | <code>\begin{p p b B v V matrix}</code> | <code>{p p b B v V }{rows},{cols}</code> | | yes | no | amsmath |
| | <code>...</code> | | | | | |
| | <code>\end{p p b B v V matrix}</code> | | | | | |
| New generic matrix | <code>\begin{p p b B v V matrix}</code> | <code>{p p b B v V }gn</code> | | yes | no | amsmath |
| | <code>...</code> | | | | | |
| | <code>\end{p p b B v V matrix}</code> | | | | | |
| Subscripts and superscripts | | | | | | |
| Name | Command | | Snippet | Autosnippet | Visual | Package |
| Short subscript | <code>_</code> | | <code>;</code> | yes | no | --- |
| Subscript | <code>_{\dots}</code> | | <code>:</code> | yes | yes | --- |
| Short superscript | <code>^</code> | | <code>'</code> | yes | no | --- |
| Superscript | <code>^{\dots}</code> | | <code>''</code> | yes | yes | --- |
| Subscript and superscript | <code>_{\dots}^{\dots}</code> | | <code>'</code> | yes | no | --- |
| Stacking | <code>\substack{... \\ ...}</code> | | st | yes | yes | amsmath |
| Compound structures | | | | | | |
| Name | Command | | Snippet | Autosnippet | Visual | Package |
| Left relation arrow | <code>\xleftarrow{top}</code> | | ltx | yes | no | amsmath |
| | <code>\xleftarrow[bottom]{top}</code> | | | | | |
| Right relation arrow | <code>\xrightarrow{top}</code> | | rtx | yes | no | amsmath |
| | <code>\xrightarrow[bottom]{top}</code> | | | | | |

| | | | | | |
|-----------------------|--|---------|-------------|--------|---------|
| Continued fraction | $\cfrac{num}{den}$ | cf | yes | no | amsmath |
| | $\cfrac[num-alignment]{num}{den}$ | | | | |
| Boxed formula | $\boxed{\ldots}$ | bx | yes | yes | amsmath |
| Fraction | $\frac{\ldots}{\ldots}$ | ff | yes | no | --- |
| | $\dfrac{\ldots}{\ldots}$ | | | | amsmath |
| | $\tfrac{\ldots}{\ldots}$ | | | | amsmath |
| Binomial coefficient | $\binom{\ldots}{\ldots}$ | bm | yes | no | amsmath |
| | $\dbinom{\ldots}{\ldots}$ | | | | amsmath |
| | $\tbinom{\ldots}{\ldots}$ | | | | amsmath |
| Decorations | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Place material above | $\overset{above}{material}$ | abv | yes | yes | amsmath |
| Place material below | $\underset{below}{material}$ | bel | yes | yes | amsmath |
| Limiting positions | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Above/below operator | \limits | lim | yes | no | --- |
| Right of the operator | \nolimits | nli | yes | no | --- |
| Relations | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Congruence relation | \equiv | eq | yes | no | --- |
| Modular relation | $\ldots \equiv \ldots \pmod{\ldots}$ | mod | yes | no | --- |
| | $\ldots \not\equiv \ldots \pmod{\ldots}$ | | | | --- |
| | $\ldots \equiv \ldots \mod{\ldots}$ | | | | amsmath |
| | $\ldots \not\equiv \ldots \mod{\ldots}$ | | | | amsmath |
| Left triangle | \vartriangleleft | sbg | yes | no | amssymb |
| | \ntriangleleft | | | | |
| Right triangle | \vartriangleright | sgc | yes | no | amssymb |
| | \ntriangleright | | | | |
| Not equal | \neq | ne | yes | no | --- |
| Relation negation | \not | nr | yes | no | --- |
| Approx | \approx | app | yes | no | --- |
| Congruent | \cong | cn | yes | no | --- |
| | \ncong | | | | amssymb |
| Less or equal | \leq | le | yes | no | --- |
| Greater or equal | \geq | ge | yes | no | --- |
| Precedes | \prec | pc | yes | no | --- |
| | \nprec | | | | amssymb |
| Succeedes | \succ | sx | yes | no | --- |
| | \nsucc | | | | amssymb |
| Relation | \sim | re | yes | no | --- |
| | \nsim | | | | amssymb |
| Operators | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Define new operator | $\DeclareMathOperator{cmd}{text}$ | opr | no | no | amsmath |
| | $\DeclareMathOperator*{cmd}{text}$ | | | | |
| Ceiling | $\lceil \ldots \rceil$ | ce | no | yes | --- |
| Floor | $\lfloor \ldots \rfloor$ | fl | yes | yes | --- |
| | $\left\lfloor \ldots \right\rfloor$ | | | | |
| Square root | $\sqrt{\ldots}$ | sq | yes | yes | --- |
| | $\sqrt[n-th]{\ldots}$ | | | | --- |
| | $\sqrt[\leftroot{x}{\uproot{y} n-th}]{\ldots}$ | | | | amsmath |
| Imaginary part | Im | imp | yes | no | --- |
| Real part | Re | rpa | yes | no | --- |
| Mod operator | $\ldots \bmod \ldots$ | opm | yes | no | --- |
| Minus plus | \mp | mp | yes | no | --- |
| Plus minus | \pm | pm | yes | no | --- |
| Times | \times | tm | yes | no | --- |
| Centered dot | \cdot | cd | yes | no | --- |
| Circle | \circ | cir | yes | no | --- |
| Oplus | \oplus | opl | yes | no | --- |
| Otimes | \otimes | omt | yes | no | --- |
| Middle bar | \mid | dv | yes | no | --- |

| | | | | | |
|------------------------------|--|---------|-------------|--------|----------|
| Crossed middle bar | <code>\centernot\mid</code> | ndv | yes | no | --- |
| Maximum | <code>\max</code> | xm | yes | no | --- |
| | <code>\max_{...}</code> | | | | |
| Minimum | <code>\min</code> | mu | yes | no | --- |
| | <code>\min_{...}</code> | | | | |
| Infimum | <code>\inf</code> | nf | yes | no | --- |
| | <code>\inf_{...}</code> | | | | |
| Supremum | <code>\sup</code> | sr | yes | no | --- |
| | <code>\sup_{...}</code> | | | | |
| Argument | <code>\arg</code> | arg | yes | no | --- |
| Degree | <code>\deg</code> | deg | yes | no | --- |
| Determinant | <code>\det</code> | det | yes | no | --- |
| Dimension | <code>\dim</code> | dim | yes | no | --- |
| Greatest common divisor | <code>\gcd</code> | gc | yes | no | --- |
| Hom | <code>\hom</code> | hm | yes | no | --- |
| Kernel | <code>\ker</code> | kr | yes | no | --- |
| Laplacian | <code>\nabla^2</code> | lap | yes | no | --- |
| Divergence | <code>\nabla\cdot\vv{...}</code> | div | yes | no | esvect |
| | <code>\nabla\cdot\vec{...}</code> | | | | --- |
| Curl | <code>\nabla\times\vv{...}</code> | cur | yes | no | esvect |
| | <code>\nabla\times\vec{...}</code> | | | | --- |
| Operators with limits | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Limit | <code>\lim_{... \to ...}</code> | lm | yes | no | --- |
| | <code>\lim</code> | | | | |
| liminf | <code>\liminf_{... \to ...}</code> | lif | yes | no | --- |
| | <code>\liminf</code> | | | | |
| limsup | <code>\limsup_{... \to ...}</code> | lsu | yes | no | --- |
| | <code>\limsup</code> | | | | |
| varliminf | <code>\varliminf_{... \to ...}</code> | lvf | yes | no | amsmath |
| | <code>\varliminf</code> | | | | |
| varlimsup | <code>\varlimsup_{... \to ...}</code> | lvu | yes | no | amsmath |
| | <code>\varlimsup</code> | | | | |
| Functions | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Function domain and codomain | <code>fun : dom \longrightarrow cod</code> | fn | yes | no | --- |
| Function definition | <code>\begin{align*}</code> <code>fun : dom & \longrightarrow cod \\\</code> <code>point & \longmapsto img</code> <code>\end{align*}</code> | fd | no | no | amsmath |
| sin | <code>\sin</code> | sni | yes | no | --- |
| cos | <code>\cos</code> | co | yes | no | --- |
| tan | <code>\tan</code> | tn | yes | no | --- |
| cot | <code>\cot</code> | ot | yes | no | --- |
| sec | <code>\sec</code> | sc | yes | no | --- |
| csc | <code>\csc</code> | cc | yes | no | --- |
| arcsin | <code>\arcsin</code> | asin | yes | no | --- |
| arccos | <code>\arccos</code> | acos | yes | no | --- |
| arctan | <code>\arctan</code> | atan | yes | no | --- |
| arccot | <code>\arccot</code> | acot | yes | no | amsmath* |
| arcsec | <code>\arcsec</code> | asec | yes | no | amsmath* |
| arccsc | <code>\arccsc</code> | acc | yes | no | amsmath* |
| sinh | <code>\sinh</code> | sinh | yes | no | --- |
| cosh | <code>\cosh</code> | cosh | yes | no | --- |
| tanh | <code>\tanh</code> | tanh | yes | no | --- |
| coth | <code>\coth</code> | coth | yes | no | --- |
| sech | <code>\sech</code> | sh | yes | no | amsmath* |
| csch | <code>\csch</code> | tanh | yes | no | amsmath* |
| arcsinh | <code>\arcsinh</code> | ahsin | yes | no | amsmath* |
| arccosh | <code>\arccosh</code> | ahcos | yes | no | amsmath* |
| arctanh | <code>\arctanh</code> | ahtan | yes | no | amsmath* |
| arccoth | <code>\arccoth</code> | ahcot | yes | no | amsmath* |
| arcsech | <code>\arcsech</code> | ahsec | yes | no | amsmath* |
| arccsch | <code>\arccsch</code> | ahcc | yes | no | amsmath* |
| exp | <code>\exp</code> | xp | yes | no | --- |
| ln | <code>\ln</code> | ln | yes | no | --- |
| log | <code>\log</code> | lg | yes | no | --- |

| Ellipsis | | | | | |
|-----------------------|---|---------|-------------|--------|---------|
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Lower dots | <code>\ldots</code> | dd | yes | no | --- |
| Centered dots | <code>\cdots</code> | cr | yes | no | --- |
| Vertical dots | <code>\vdots</code> | vd | yes | no | --- |
| Diagonal dots | <code>\ddots</code> | gd | yes | no | --- |
| Colon | <code>\colon</code> | cln | yes | no | --- |
| Semicolon | <code>;</code> | sln | yes | no | --- |
| Horizontal extensions | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Overline | <code>\overline{...}</code> | ovr | yes | yes | --- |
| Underline | <code>\underline{...}</code> | und | yes | yes | --- |
| Overbrace | <code>\overbrace{...}^{\top}</code> | ovb | yes | yes | --- |
| Underbrace | <code>\underbrace{...}_{\text{bottom}}</code> | unb | yes | yes | --- |
| Delimiters | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Parenthesis | <code>\left(... \right)</code> | dp | yes | yes | --- |
| Brackets | <code>\left[... \right]</code> | ds | yes | yes | --- |
| Braces | <code>\{ ... \}</code> | bb | yes | yes | --- |
| Extensible braces | <code>\left\{ ... \right\}</code> | db | yes | yes | --- |
| Angle brackets | <code>\left\langle ... \right\rangle</code> | dk | yes | yes | --- |
| | <code>\langle ... \rangle</code> | | | | |
| Pipes | <code>\left\ \right. ... \right\ </code> | da | yes | yes | amsmath |
| | <code>\ ... \ </code> | | | | |
| Double pipes | <code>\left\ \right ... \right </code> | dn | yes | yes | amsmath |
| | <code>\ ... \ </code> | | | | |
| Big-g delimiters | <code>\big</code> | big | yes | no | --- |
| | <code>\Big</code> | | | | |
| | <code>\bigg</code> | | | | |
| | <code>\Bigg</code> | | | | |
| Spacing commands | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Thin space | <code>\,</code> | thp | yes | no | --- |
| Medium space | <code>\:</code> | mdn | yes | no | --- |
| Thick space | <code>\;</code> | tkp | yes | no | --- |
| Enskip | <code>\enskip</code> | enp | yes | no | --- |
| Quad | <code>\quad</code> | qu | yes | no | --- |
| Double quad | <code>\qquad</code> | qq | yes | no | --- |
| Negative thin space | <code>\!</code> | thn | yes | no | --- |
| Negative medium space | <code>\negmedspace</code> | men | yes | no | --- |
| Negative thick space | <code>\negthickspace</code> | tkn | yes | no | --- |
| Horizontal space | <code>\hspace{...}</code> | hs | yes | no | --- |
| Vertical space | <code>\vspace{...}</code> | vs | yes | no | --- |
| Greek alphabet | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Alpha | <code>\alpha</code> | .a | yes | no | --- |
| Beta | <code>\beta</code> | .b | yes | no | --- |
| Chi | <code>\chi</code> | .c | yes | no | --- |
| Uppercase delta | <code>\Delta</code> | .D | yes | no | --- |
| Lowercase delta | <code>\delta</code> | .d | yes | no | --- |
| Epsilon | <code>\varepsilon</code> | .e | yes | no | --- |
| | <code>\epsilon</code> | | | | |
| Uppercase gamma | <code>\Gamma</code> | .G | yes | no | --- |
| Lowercase gamma | <code>\gamma</code> | .g | yes | no | --- |
| Eta | <code>\eta</code> | .h | yes | no | --- |
| Iota | <code>\iota</code> | .i | yes | no | --- |
| Kappa | <code>\kappa</code> | .k | yes | no | --- |
| Uppercase lambda | <code>\Lambda</code> | .L | yes | no | --- |
| Lowercase lambda | <code>\lambda</code> | .l | yes | no | --- |
| Mu | <code>\mu</code> | .m | yes | no | --- |
| Nu | <code>\nu</code> | .n | yes | no | --- |
| Uppercase omega | <code>\Omega</code> | .O | yes | no | --- |
| Lowercase omega | <code>\omega</code> | .o | yes | no | --- |
| Uppercase phi | <code>\Phi</code> | .Ph | yes | no | --- |
| Lowercase phi | <code>\phi</code> | .ph | yes | no | --- |
| | <code>\varphi</code> | | | | |
| Uppercase pi | <code>\Pi</code> | .Pi | yes | no | --- |

| | | | | | |
|-----------------------|-----------------|---------|-------------|--------|----------|
| Lowercase pi | \pi | .pi | yes | no | --- |
| Uppercase psi | \Psi | .Ps | yes | no | --- |
| Lowercase psi | \psi | .ps | yes | no | --- |
| Rho | \rho | .r | yes | no | --- |
| Uppercase sigma | \Sigma | .S | yes | no | --- |
| Lowercase sigma | \sigma | .s | yes | no | --- |
| Tau | \tau | .ta | yes | no | --- |
| Uppercase theta | \Theta | .Th | yes | no | --- |
| Lowercase theta | \theta | .th | yes | no | --- |
| Uppercase upsilon | \Upsilon | .U | yes | no | --- |
| Lowercase upsilon | \upsilon | .u | yes | no | --- |
| Uppercase xi | \Xi | .X | yes | no | --- |
| Lowercase xi | \xi | .x | yes | no | --- |
| Zeta | \zeta | .Z | yes | no | --- |
| Letter-shaped symbols | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Aleph | \aleph | ha | yes | no | --- |
| Beth | \beth | hb | yes | no | amssymb |
| Daleth | \daleth | hd | yes | no | amssymb |
| Gimel | \gimel | hg | yes | no | amssymb |
| ell | \ell | ll | yes | no | --- |
| Set complement | \complement | cm | yes | no | amssymb |
| hbar | \hbar | hr | yes | no | --- |
| hslash | \hslash | hl | yes | no | amssymb |
| Partial | \partial | pt | yes | no | --- |
| Miscellaneous symbols | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Dollar sign | \\$ | dL | yes | no | --- |
| Numeral | \# | hh | yes | no | --- |
| Infinity | \infty | fy | yes | no | --- |
| Prime | \prime | pr | yes | no | --- |
| Percentage | \% | per | yes | no | --- |
| Ampersand | \& | amp | yes | no | --- |
| Angle | \angle | ang | yes | no | --- |
| Nabla | \nabla | nb | yes | no | --- |
| Section symbol | \S | ch | yes | no | --- |
| Accents | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Dot accent | \dot{...} | dr | yes | yes | --- |
| | \ddot{...} | | | | --- |
| | \dddot{...} | | | | amsmath |
| | \ddddot{...} | | | | amsmath |
| Hat | \hat{...} | ht | yes | yes | --- |
| | \widehat{...} | | | | |
| Math ring | \mathring{...} | rng | yes | yes | --- |
| Tilde | \tilde{...} | til | yes | yes | --- |
| | \widetilde{...} | | | | |
| Vector | \vv{...} | vv | yes | no | esvect |
| | \vec{...} | | | | --- |
| Logic | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| For all | \forall | fa | yes | no | * |
| Exists | \exists | ex | yes | no | * |
| Not exist | \nexists | nx | yes | no | amssymb* |
| Logic negation | \lnot | lt | yes | no | --- |
| Logic and | \land | lan | yes | no | --- |
| Logic or | \lor | lor | yes | no | --- |
| Implies | \implies | ip | yes | no | amsmath |
| Implied by | \impliedby | ib | yes | no | amsmath |
| If and only if | \iff | iff | yes | no | amsmath |
| Sets and inclusion | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Belongs to | \in | in | yes | no | --- |
| Not in | \notin | ntn | yes | no | --- |
| Owns | \ni | na | yes | no | --- |
| Empty set | \emptyset | vc | yes | no | --- |
| | \varnothing | | | | amssymb |

| | | | | | |
|------------------------------|---------------------------|---------|-------------|--------|----------|
| Union | \cup | nun | yes | no | --- |
| Big union | \bigcup | bun | yes | no | --- |
| Big subscript union | \bigcup_{...} | sun | yes | no | --- |
| Big definite union | \bigcup_{...}^{...} | dun | yes | no | --- |
| Intersection | \cap | nit | yes | no | --- |
| Big intersection | \bigcap | bit | yes | no | --- |
| Big subscript intersection | \bigcap_{...} | sit | yes | no | --- |
| Big definite intersection | \bigcap_{...}^{...} | dit | yes | no | --- |
| Set difference | \setminus | sf | yes | no | --- |
| Subset | \subset | sbs | yes | no | --- |
| Subset or equals | \subseteq | sbq | yes | no | --- |
| | \nssubseteq | | | | amssymb |
| Contains | \supset | sps | yes | no | --- |
| Contains or equals | \supseteq | spq | yes | no | --- |
| | \nssupseteq | | | | amssymb |
| Dots set | \{ ... \} | setd | yes | no | * |
| Bar set | \{ ... \} | setb | yes | no | |
| Arrows | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Long right arrow | \longrightarrow | rar | yes | no | --- |
| Long left arrow | \longleftarrow | lar | yes | no | --- |
| Long maps to | \longmapsto | to | yes | no | --- |
| Sums | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Subscript sum | \sum_{...} | sm | yes | no | --- |
| | \sum | | | | |
| Definite sum | \sum_{...}^{...} | ss | yes | no | --- |
| Subscript o-sum | \bigoplus_{...} | sos | yes | no | --- |
| Definite o-sum | \bigoplus_{...}^{...} | nos | yes | no | --- |
| Products | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Subscript product | \prod_{...} | sp | yes | no | --- |
| | \prod | | | | |
| Definite product | \prod_{...}^{...} | pp | yes | no | --- |
| Subscript o-times | \bigotimes_{...} | sop | yes | no | --- |
| Definite o-times | \bigotimes_{...}^{...} | nop | yes | no | --- |
| Derivatives | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Differential | \mathrm{d} | df | yes | no | amsmath* |
| Derivative | \mathrm{d}{func}{var} | der | yes | no | amsmath* |
| | \mathrm{D}{func}{var} | | | | |
| n-th derivative | \mathrm{d}^n{func}{var} | ndr | yes | no | amsmath* |
| | \mathrm{D}^n{func}{var} | | | | |
| partial derivative | \mathrm{p}{d}{func}{var} | pdr | yes | no | * |
| | \mathrm{P}{d}{func}{var} | | | | |
| n-th partial derivative | \mathrm{npd}^n{func}{var} | npd | yes | no | * |
| | \mathrm{Npd}^n{func}{var} | | | | |
| Derivative evaluation | \mathrm{evl}{...} | evl | yes | no | amsmath* |
| Integrals | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Integral | \int | itn | yes | no | --- |
| | \oint | | | | |
| Subscript integral | \int_{...} | its | yes | no | --- |
| | \oint_{...} | | | | |
| Definite integral | \int_{...}^{...} | itd | yes | no | --- |
| Double integral | \iint | itbn | yes | no | amsmath |
| | \oiint | | | | esint |
| Double integral subscript | \iint_{...} | itbs | yes | no | amsmath |
| | \oiint_{...} | | | | esint |
| Triple integral | \iiint | ittn | yes | no | amsmath |
| | \oiiint | | | | txfonts |
| Triple integral subscript | \iiint_{...} | itts | yes | no | amsmath |
| | \oiiint_{...} | | | | txfonts |
| Quadruple integral | \iiiiint | itqn | yes | no | amsmath |
| Quadruple integral subscript | \iiiiint_{...} | itqs | yes | no | amsmath |
| Multiple integral | \idotsint | itm | yes | no | amsmath |

| | | | | | |
|---------------------------------|--|---------|-------------|--------|---------|
| Multiple integral subscript | \dotsint_{...} | itms | yes | no | amsmath |
| bibtex.lua | | | | | |
| Bibliography and citations | | | | | |
| Citations | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Citation style | \citestyle{...} | cst | no | no | amsmath |
| Citation | \cite{key-list} | ct | no | no | --- |
| | \cite[text]{key-list} | | | | |
| Full citation | \fullcite{key-list} | cf | no | no | jurabib |
| | \fullcite[post-note]{key-list} | | | | |
| | \fullcite[annotator][post-note]{key-list} | | | | |
| Cite not cited | \nocite{key-list} | ctn | no | no | --- |
| | \nocite{*} | | | | |
| Textual citation | \citet{key-list} | tc | no | no | natbib |
| | \citet[post-note]{key-list} | | | | |
| | \citet[pre-note][post-note]{key-list} | | | | |
| | \citet*{key-list} | | | | |
| | \citet*[post-note]{key-list} | | | | |
| | \citet*[pre-note][post-note]{key-list} | | | | |
| No parentheses textual citation | \citealt{key-list} | tnc | no | no | natbib |
| | \citealt[post-note]{key-list} | | | | |
| | \citealt[pre-note][post-note]{key-list} | | | | |
| | \citealt*{key-list} | | | | |
| | \citealt*[post-note]{key-list} | | | | |
| | \citealt*[pre-note][post-note]{key-list} | | | | |
| Parenthetical citation | \citetp{key-list} | tpc | no | no | natbib |
| | \citetp[post-note]{key-list} | | | | |
| | \citetp[pre-note][post-note]{key-list} | | | | |
| | \citetp*{key-list} | | | | |
| | \citetp*[post-note]{key-list} | | | | |
| | \citetp*[pre-note][post-note]{key-list} | | | | |
| Author citation | \citeauthor{key-list} | auc | no | no | natbib |
| | \citeauthor*{key-list} | | | | |
| Year citation | \citeyear{key-list} | yec | no | no | natbib |
| | \citeyearpar{key-list} | | | | |
| Bibliography | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Bibliography files | \bibliography{file-list} | bib | no | no | --- |
| Bibliography style | \bibliographystyle{style} | bisty | no | no | --- |
| bib.lua | | | | | |
| BibTeX entry types | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| BibTeX abbreviation | @string{key = "text to abbreviate"} | abv | no | no | --- |
| article | @article{key-identifier, author = "author", title = "title", journal = "journal", year = "year", volume = "volume", number = "number", pages = "pages", month = "month", note = "note" } | art | no | no | --- |
| book | @book{key-identifier, author = "author", editor = "editor", title = "title", publisher = "publisher", year = "year", volume = "volume", number = "number", series = "pages", address = "address", edition = "edition", month = "month", note = "note" } | bks | no | no | --- |

| | | | | | |
|---------------|--|-----|----|----|-----|
| | } } | | | | |
| booklet | @booklet{key-identifier, title = "title", author = "author", howpublished = "howpublished", address = "address", month = "month", year = "year", note = "note" } | bkl | no | no | --- |
| inbook | @inbook{key-identifier, author = "author", editor = "editor", title = "title", chapter = "chapter", pages = "pages", publisher = "publisher", year = "year", volume = "volume", number = "number", series = "pages", type = "type", address = "address", edition = "edition", month = "month", note = "note" } | ibk | no | no | --- |
| incollection | @incollection{key-identifier, author = "author", title = "title", booktitle = "booktitle", publisher = "publisher", year = "year", editor = "editor", volume = "volume", number = "number", series = "pages", type = "type", chapter = "chapter", pages = "pages", address = "address", edition = "edition", month = "month", note = "note" } | inc | no | no | --- |
| inproceedings | @inproceedings{key-identifier, author = "author", title = "title", booktitle = "booktitle", year = "year", editor = "editor", volume = "volume", number = "number", series = "pages", pages = "pages", address = "address", month = "month", organization = "organization", edition = "edition", publisher = "publisher", note = "note" } | inp | no | no | --- |
| manual | @manual{key-identifier, title = "title", author = "author", organization = "organization", address = "address", | | | | --- |

| | | | | | |
|-------------------------|--|-----|----|----|---------|
| manual | <pre> edition = "edition", month = "month", year = "year", note = "note" } </pre> | man | no | no | --- |
| masterthesis | <pre> @masterthesis{key-identifier, author = "author", title = "title", school = "school", year = "year", type = "type", address = "address", month = "month", note = "note" } </pre> | mst | no | no | --- |
| misc | <pre> @misc{key-identifier, author = "author", title = "title", howpublished = "howpublished", month = "month", year = "year", note = "note" } </pre> | mis | no | no | --- |
| phdthesis | <pre> @phdthesis{key-identifier, author = "author", title = "title", school = "school", year = "year", type = "type", address = "address", month = "month", note = "note" } </pre> | phd | no | no | --- |
| proceedings | <pre> @proceedings{key-identifier, title = "title", year = "year", editor = "editor", volume = "volume", number = "number", series = "pages", address = "address", publisher = "publisher", note = "note", month = "month", organization = "organization" } </pre> | pcd | no | no | --- |
| techreport | <pre> @techreport{key-identifier, author = "author", title = "title", institution = "institution", year = "year", type = "type", number = "number", address = "address", month = "month", note = "note" } </pre> | tec | no | no | --- |
| unpublished | <pre> @unpublished{key-identifier, author = "author", title = "title", note = "note", month = "month", year = "year" } </pre> | unp | no | no | --- |
| Preamble macros | | | | | |
| Trigonometric functions | | | | | |
| Code | | | | | Package |

| | |
|--|---------|
| <code>\DeclareMathOperator{\arccot}{arccot}</code> | amsmath |
| <code>\DeclareMathOperator{\arcsec}{arcsec}</code> | amsmath |
| <code>\DeclareMathOperator{\arccsc}{arccsc}</code> | amsmath |
| <code>\DeclareMathOperator{\sech}{sech}</code> | amsmath |
| <code>\DeclareMathOperator{\csch}{csch}</code> | amsmath |
| <code>\DeclareMathOperator{\arcsinh}{arcsinh}</code> | amsmath |
| <code>\DeclareMathOperator{\arccosh}{arccosh}</code> | amsmath |
| <code>\DeclareMathOperator{\arcsinh}{arcsinh}</code> | amsmath |
| <code>\DeclareMathOperator{\arctanh}{arctanh}</code> | amsmath |
| <code>\DeclareMathOperator{\arccoth}{arccoth}</code> | amsmath |
| <code>\DeclareMathOperator{\arcssech}{arcsech}</code> | amsmath |
| <code>\DeclareMathOperator{\arccsch}{arccsch}</code> | |
| Logic | |
| Code | Package |
| <code>\let\oldforall\forall</code> <code>\renewcommand{\forall}{\:\oldforall\,}</code> | --- |
| <code>\let\oldexists\exists</code> <code>\renewcommand{\exists}{\:\oldexists\:}</code> | --- |
| <code>\let\oldnexists\nexists</code> <code>\renewcommand{\nexists}{\:\oldnexists\:}</code> | amssymb |
| Logic | |
| Code | Package |
| <code>\newcommand{\std}{\, : \,}</code> | --- |
| Derivatives | |
| Code | Package |
| <code>\newcommand{\dx}{\,\text{d}}</code> | amsmath |
| <code>\newcommand{\dr}{\text{d}}</code> | amsmath |
| <code>\newcommand{\der}[2]{\frac{\dr#1}{\dr#2}}</code> <code>\newcommand{\Der}[2]{\frac{\dr}{\dr#2}\#1}</code> | amsmath |
| <code>\newcommand{\ndr}[3]{\frac{\dr^{#1}\#2}{\dr^{3^{#1}}}}</code> <code>\newcommand{\Ndr}[3]{\frac{\dr^{#1}}{\dr^{3^{#1}}}\#2}</code> | amsmath |
| <code>\newcommand{\pdr}[2]{\frac{\partial#1}{\partial#2}}</code> <code>\newcommand{\Pdr}[2]{\frac{\partial}{\partial#2}\#1}</code> | --- |
| <code>\newcommand{\npd}[3]{\frac{\partial^{#1}\#2}{\partial^{3^{#1}}}}</code> <code>\newcommand{\Npd}[3]{\frac{\partial^{#1}}{\partial^{3^{#1}}}\#2}</code> | --- |
| <code>\newcommand{\evl}[1]{\mathrel{\bigg _{#1}}}</code> | amsmath |
| Lectures | |
| Code | Package |
| <code>\newcommand{\seclecture}[2]{</code> <code>\section{#1}</code> <code>\marginpar{\footnotesize\textsf{\mbox{#2}}}</code> <code>}</code> | --- |
| <code>\newcommand{\seclecture}[2]{</code> <code>\subsection{#1}</code> <code>\marginpar{\footnotesize\textsf{\mbox{#2}}}</code> <code>}</code> | --- |