

LaTeX Snippets. See Goosens, M., Mittelbach, F. *The LaTeX Companion*. 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 |

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>       | <code>\lbe</code> | no          | no     | ---     |
| Label theorem           | <code>\label{thm:key}</code>      | <code>\lbt</code> | no          | no     | ---     |
| Label proposition       | <code>\label{prop:key}</code>     | <code>\lps</code> | no          | no     | ---     |
| Label lemma             | <code>\label{lem:key}</code>      | <code>\lle</code> | no          | no     | ---     |
| Label corollary         | <code>\label{cor:key}</code>      | <code>\lco</code> | no          | no     | ---     |
| Label definition        | <code>\label{def:key}</code>      | <code>\lde</code> | no          | no     | ---     |
| Label remark            | <code>\label{rem:key}</code>      | <code>\lre</code> | no          | no     | ---     |
| Label exercise          | <code>\label{ex:key}</code>       | <code>\lex</code> | no          | no     | ---     |
| Label example           | <code>\label{eg:key}</code>       | <code>\leg</code> | no          | no     | ---     |
| Label principle         | <code>\label{princ:key}</code>    | <code>\lpn</code> | no          | no     | ---     |
| Label item              | <code>\label{it:key}</code>       | <code>\lbi</code> | no          | no     | ---     |
| Label figure            | <code>\label{fig:key}</code>      | <code>\lfg</code> | no          | no     | ---     |
| Label table             | <code>\label{tbl:key}</code>      | <code>\lta</code> | no          | no     | ---     |
| Reference commands      |                                   |                   |             |        |         |
| Name                    | Command                           | Snippet           | Autosnippet | Visual | Package |
| Generic reference       | <code>\ref{key}</code>            | <code>rge</code>  | no          | no     | ---     |
| Reference section       | <code>\ref{sec:key}</code>        | <code>rsn</code>  | no          | no     | ---     |
| Reference subsection    | <code>\ref{sub:key}</code>        | <code>rsb</code>  | no          | no     | ---     |
| Reference subsubsection | <code>\ref{ssub:key}</code>       | <code>rss</code>  | no          | no     | ---     |
| Reference chapter       | <code>\ref{ch:key}</code>         | <code>rch</code>  | no          | no     | ---     |
| Reference paragraph     | <code>\ref{par:key}</code>        | <code>rpa</code>  | no          | no     | ---     |
| Reference subparagraph  | <code>\ref{subpar:key}</code>     | <code>rsp</code>  | no          | no     | ---     |
| Reference equation      | <code>\eqref{eq:key}</code>       | <code>rfe</code>  | no          | no     | ---     |
| Reference theorem       | <code>\ref{thm:key}</code>        | <code>rft</code>  | no          | no     | ---     |
| Reference proposition   | <code>\ref{prop:key}</code>       | <code>rps</code>  | no          | no     | ---     |
| Reference lemma         | <code>\ref{lem:key}</code>        | <code>rle</code>  | no          | no     | ---     |
| Reference corollary     | <code>\ref{cor:key}</code>        | <code>rco</code>  | no          | no     | ---     |
| Reference definition    | <code>\ref{def:key}</code>        | <code>rde</code>  | no          | no     | ---     |
| Reference remark        | <code>\ref{rem:key}</code>        | <code>rre</code>  | no          | no     | ---     |
| Reference exercise      | <code>\ref{ex:key}</code>         | <code>rex</code>  | no          | no     | ---     |
| Reference example       | <code>\ref{eg:key}</code>         | <code>reg</code>  | no          | no     | ---     |
| Reference principle     | <code>\ref{princ:key}</code>      | <code>rpn</code>  | no          | no     | ---     |
| Reference item          | <code>\ref{it:key}</code>         | <code>rfi</code>  | no          | no     | ---     |
| Reference figure        | <code>\ref{fig:key}</code>        | <code>rfg</code>  | no          | no     | ---     |
| Reference table         | <code>\ref{tbl:key}</code>        | <code>rta</code>  | no          | no     | ---     |
| Page reference commands |                                   |                   |             |        |         |
| Name                    | Command                           | Snippet           | Autosnippet | Visual | Package |
| Generic page reference  | <code>\pageref{key}</code>        | <code>pge</code>  | no          | no     | ---     |
| Page of section         | <code>\pageref{sec:key}</code>    | <code>psn</code>  | no          | no     | ---     |
| Page of subsection      | <code>\pageref{sub:key}</code>    | <code>psb</code>  | no          | no     | ---     |
| Page of subsubsection   | <code>\pageref{ssub:key}</code>   | <code>pss</code>  | no          | no     | ---     |
| Page of chapter         | <code>\pageref{ch:key}</code>     | <code>pch</code>  | no          | no     | ---     |
| Page of paragraph       | <code>\pageref{par:key}</code>    | <code>ppa</code>  | no          | no     | ---     |
| Page subparagraph       | <code>\pageref{subpar:key}</code> | <code>psp</code>  | no          | no     | ---     |
| Page of equation        | <code>\pageref{eq:key}</code>     | <code>peq</code>  | no          | no     | ---     |
| Page of theorem         | <code>\pageref{thm:key}</code>    | <code>pgt</code>  | no          | no     | ---     |
| Page of proposition     | <code>\pageref{prop:key}</code>   | <code>pps</code>  | no          | no     | ---     |
| Page of lemma           | <code>\pageref{lem:key}</code>    | <code>ple</code>  | no          | no     | ---     |
| Page of corollary       | <code>\pageref{cor:key}</code>    | <code>pco</code>  | no          | no     | ---     |
| Page of definition      | <code>\pageref{def:key}</code>    | <code>pde</code>  | no          | no     | ---     |
| Page of remark          | <code>\pageref{rem:key}</code>    | <code>pre</code>  | no          | no     | ---     |
| Page of exercise        | <code>\pageref{ex:key}</code>     | <code>pex</code>  | no          | no     | ---     |
| Page of example         | <code>\pageref{eg:key}</code>     | <code>peg</code>  | no          | no     | ---     |
| Page of principle       | <code>\pageref{princ:key}</code>  | <code>ppn</code>  | no          | no     | ---     |
| Page of item            | <code>\pageref{it:key}</code>     | <code>pgi</code>  | no          | no     | ---     |
| Page of figure          | <code>\pageref{fig:key}</code>    | <code>pfg</code>  | no          | no     | ---     |
| Page of table           | <code>\pageref{tbl:key}</code>    | <code>pta</code>  | 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>b</b> | no          | yes    | ---      |
| Enlarged letter                 | <code>\lettrine{initial}{text}</code>   | ltr         | no          | yes    | lettrine |
|                                 | <code>\lettrine[val-list]{initial}{text}</code>   |             |             |        |          |
| Phantom text                    | <code>\phantom{...}</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 <b>g</b> | no          | yes    | ---      |
| New page                        | <code>\newpage</code>   | npg         | no          | no     | ---      |
| Columns                         |   |             |             |        |          |
| Name                            | Command   | Snippet     | Autosnippet | Visual | Package  |
| Multiple columns                | <code>\begin{multicols}{columns}</code><br>...<br><code>\end{multicols}</code>  | mul         | no          | no     | multicol |
|                                 | <code>\begin{multicols}{columns}[preface]</code><br>...<br><code>\end{multicols}</code>                                 |             |             |        |          |
|                                 | <code>\begin{multicols}{columns}[preface][skip]</code><br>...<br><code>\end{multicols}</code>                           |             |             |        |          |
|                                 |   |             |             |        |          |
| List structures                 |   |             |             |        |          |
| Ordered lists                   |   |             |             |        |          |
| Name                            | Command   | Snippet     | Autosnippet | Visual | Package  |
| Item reference format           | <code>,ref=\the&lt;...&gt;.\textnormal{\arabic*}</code>   | rff         | no          | no     | ---      |
|                                 | <code>,ref=\the&lt;...&gt;.\textnormal{\Roman*}</code>  |             |             |        |          |
|                                 | <code>,ref=\the&lt;...&gt;.\textnormal{\roman*}</code>  |             |             |        |          |
|                                 | <code>,ref=\the&lt;...&gt;.\textnormal{\Alph*}</code>   |             |             |        |          |
|                                 | <code>,ref=\the&lt;...&gt;.\textnormal{\alph*}</code>   |             |             |        |          |
| Unnumbered list                 | <code>\begin{itemize}</code><br><code>\item ...</code><br><code>\end{itemize}</code>                                    | tz          | no          | no     | ---      |
| Enumerated list                 | <code>\begin{enumerate}[label=\textnormal{(\arabic*)}]</code><br><code>\item ...</code><br><code>\end{enumerate}</code> | enn         | no          | no     | enumitem |
| Capital roman enumerated list   | <code>\begin{enumerate}[label=\textnormal{(\Roman*)}]</code><br><code>\item ...</code><br><code>\end{enumerate}</code>  | enI         | no          | no     | enumitem |
| Lowercase roman enumerated list | <code>\begin{enumerate}[label=\textnormal{(\roman*)}]</code><br><code>\item ...</code><br><code>\end{enumerate}</code>  | eni         | no          | no     | enumitem |
| Capital latin enumerated list   | <code>\begin{enumerate}[label=\textnormal{(\Alph*)}]</code><br><code>\item ...</code><br><code>\end{enumerate}</code>   | enA         | no          | no     | enumitem |
| Lowercase latin enumerated list | <code>\begin{enumerate}[label=\textnormal{(\alph*)}]</code><br><code>\item ...</code><br><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><br>...<br><code>\end{theorem}</code>   | oo          | no          | yes    | amsthm   |
|                                 | <code>\begin{theorem}[name]</code><br>...<br><code>\end{theorem}</code>   |             |             |        |          |
|                                 |   |             |             |        |          |
|                                 | <code>\begin{proof}</code><br>...   |             |             |        |          |

|                          |   |         |             |        |         |
|--------------------------|---|---------|-------------|--------|---------|
| Proof environment        | <code>\end{proof}</code>  | pf      | no          | no     | amsthm  |
|                          | <code>\begin{proof}[name]</code>  |         |             |        |         |
|                          | <code>...</code><br><code>\end{proof}</code>  |         |             |        |         |
| New proposition          | <code>\begin{proposition}</code>  | ps      | no          | yes    | amsthm  |
|                          | <code>...</code><br><code>\end{proposition}</code>  |         |             |        |         |
|                          | <code>\begin{proposition}[name]</code>  |         |             |        |         |
| New corollary            | <code>...</code><br><code>\end{corollary}</code>  | cc      | no          | yes    | amsthm  |
|                          | <code>\begin{corollary}[name]</code>  |         |             |        |         |
|                          | <code>...</code><br><code>\end{corollary}</code>  |         |             |        |         |
| New lemma                | <code>\begin{lemma}</code>  | ll      | no          | yes    | amsthm  |
|                          | <code>...</code><br><code>\end{lemma}</code>  |         |             |        |         |
|                          | <code>\begin{lemma}[name]</code>  |         |             |        |         |
| New definition           | <code>...</code><br><code>\end{definition}</code>   | dd      | no          | yes    | amsthm  |
|                          | <code>\begin{definition}[name]</code>   |         |             |        |         |
|                          | <code>...</code><br><code>\end{definition}</code>   |         |             |        |         |
| New remark               | <code>\begin{remark}</code>   | re      | no          | yes    | amsthm  |
|                          | <code>...</code><br><code>\end{remark}</code>   |         |             |        |         |
|                          | <code>\begin{remark}[name]</code>   |         |             |        |         |
| New exercise             | <code>...</code><br><code>\end{exercise}</code>   | ex      | no          | yes    | amsthm  |
|                          | <code>\begin{exercise}[name]</code>   |         |             |        |         |
|                          | <code>...</code><br><code>\end{exercise}</code>   |         |             |        |         |
| New example              | <code>\begin{example}</code>  | ee      | no          | yes    | amsthm  |
|                          | <code>...</code><br><code>\end{example}</code>  |         |             |        |         |
|                          | <code>\begin{example}[name]</code>  |         |             |        |         |
| New principle            | <code>...</code><br><code>\end{principle}</code>  | pn      | no          | yes    | amsthm  |
|                          | <code>\begin{principle}[name]</code>  |         |             |        |         |
|                          | <code>...</code><br><code>\end{principle}</code>  |         |             |        |         |
| floats.lua               |   |         |             |        |         |
| Tabular material         |   |         |             |        |         |
| Name                     | Command   | Snippet | Autosnippet | Visual | Package |
| Table environment        | <code>\begin{table}[opt]</code><br><code>\begin{tabular}{cols}</code><br><code>...</code><br><code>\end{tabular}</code><br><code>\end{table}</code> | tab     | no          | no     | ---     |
| Array environment        | <code>\begin{array}{cols}</code><br><code>...</code><br><code>\end{array}</code>  | rr      | no          | no     | array   |
| Hyphenate text correctly | <code>\hspace{0pt}</code>   | hyp     | no          | no     | ---     |
| Redefine \               | <code>\arraybackslash</code>  | bck     | no          | no     | ---     |

|  |   |         |             |        |          |
|--|---|---------|-------------|--------|----------|
| Text alignment                                   | \raggedleft                                   | lt      | no          | no     | ---      |
|  | \centering                                    | cr      | no          | no     | ---      |
|  | \raggedright                                  | rt      | no          | no     | ---      |
| Tabular row break                                | \\<br>...                                     | br      | no          | no     | ---      |
| Horizontal line                                  | \hline<br>...                                 | hn      | no          | no     | ---      |
| Tabular environment preamble options             |   |         |             |        |          |
| Name   | Command                                       | Snippet | Autosnippet | Visual | Package  |
| Top column                                       | p{width}                                      | pc      | no          | no     | ---      |
| num copies of <i>opts</i>                        | *{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}<br>...<br>\end{subtables}   | snt     | no          | no     | subfloat |
| Sub-numbers for figures                          | \begin{subfigures}<br>...<br>\end{subfigures} | snf     | no          | no     | subfloat |
| fonts.lua  |   |         |             |        |          |
| Fonts  |   |         |             |        |          |
| Standard size-changing commands                  |   |         |             |        |          |
| Name   | Command                                       | Snippet | Autosnippet | Visual | Package  |
| Tiny font size                                   | \tiny   | tny     | no          | no     | ---      |
| Scriptize font size                              | \scriptsize                                   | scr     | no          | no     | ---      |
| Footnote font size                               | \footnotesize                                 | fot     | no          | no     | ---      |
| Small font size                                  | \small  | sma     | no          | no     | ---      |
| Normalsize font size                             | \normalsize                                   | nor     | no          | no     | ---      |
| Large font size                                  | \large  | lar     | no          | no     | ---      |
|  | \Large  |         | no          | no     |          |
|  | \LARGE  |         | no          | no     |          |
| Huge font size                                   | \huge   | hug     | no          | no     | ---      |
|  | \Huge   |         | no          | no     |          |
| Standard font-changing commands and declarations |   |         |             |        |          |
| Name   | Command                                       | Snippet | Autosnippet | Visual | Package  |
| Roman family                                     | \textrm{text}                                 | rm      | no          | yes    | ---      |
|  | \begin{rmfamily}... \end{rmfamily}            |         |             | yes    |          |
|  | \rmfamily                                     |         |             | no     |          |
| Sans serif family                                | \textsf{text}                                 | sf      | no          | yes    | ---      |
|  | \begin{sffamily}... \end{sffamily}            |         |             | yes    |          |
|  | \sffamily                                     |         |             | no     |          |
| Typewriter family                                | \texttt{text}                                 | tt      | no          | yes    | ---      |
|  | \begin{ttfamily}... \end{ttfamily}            |         |             | yes    |          |
|  | \ttfamily                                     |         |             | no     |          |
| Bold series                                      | \textbf{text}                                 | bf      | no          | yes    | ---      |
|  | \begin{bfseries}... \end{bfseries}            |         |             | yes    |          |
|  | \bfseries                                     |         |             | no     |          |
| Italic shape                                     | \textit{text}                                 | it      | no          | yes    | ---      |
|  | \begin{itshape}... \end{itshape}              |         |             | yes    |          |
|  | \itshape                                      |         |             | no     |          |
| Small caps shape                                 | \textsc{text}                                 | sc      | no          | yes    | ---      |
|  | \begin{scshape}... \end{scshape}              |         |             | yes    |          |
|  | \scshape                                      |         |             | no     |          |
| Emphasized text                                  | \emph{text}                                   | em      | no          | yes    | ---      |
|  | \begin{em}... \end{em}                        |         |             | 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    | amsmath |
| Blackboard bold math font                     | <code>\mathbb{...}</code>  | mk                        | yes         | yes    | amsmath |
| Display environments and alignment structures |  |                           |             |        |         |
| Name  | Command  | Snippet                   | Autosnippet | Visual | Package |
| Inline display                                | <code>...\$</code>   | mm                        | yes         | yes    | ---     |
| Generic environment                           | <code>\begin{env}</code><br>...<br><code>\end{env}</code>  | en                        | no          | yes    | ---     |
|   | <code>\begin{equation}</code><br>...<br><code>\end{equation}</code><br><code>\begin{equation*}</code><br>...<br><code>\end{equation*}</code> | nn                        | no          | yes    | ---     |
| New equation                                  | <code>\begin{equation}</code><br>...<br><code>\end{equation}</code>  | nn                        | no          | yes    | ---     |
|   | <code>\begin{equation*}</code><br>...<br><code>\end{equation*}</code>  |                           |             |        | amsmath |
| New multiline                                 | <code>\begin{multline}</code><br>...<br><code>\end{multline}</code>  | ml                        | no          | yes    | amsmath |
|   | <code>\begin{multline*}</code><br>...<br><code>\end{multline*}</code>  |                           |             |        |         |
| Multline gap                                  | <code>\setlength\multlinegap{0pt}</code>   | gap                       | no          | no     | amsmath |
| New split                                     | <code>\begin{split}</code><br>...<br><code>\end{split}</code>  | sp                        | no          | yes    | amsmath |
| New gather                                    | <code>\begin{gather}</code><br>...<br><code>\end{gather}</code>  | gg                        | no          | yes    | amsmath |
|   | <code>\begin{gather*}</code><br>...<br><code>\end{gather*}</code>  |                           |             |        |         |
| New align                                     | <code>\begin{align*}</code><br>...<br><code>\end{align*}</code>  | aa                        | no          | yes    | amsmath |
|   | <code>\begin{align}</code><br>...<br><code>\end{align}</code>  |                           |             |        |         |
| New flalign                                   | <code>\begin{flalign}</code><br>...<br><code>\end{flalign}</code>  | fal                       | no          | yes    | amsmath |
|   | <code>\begin{flalign*}</code><br>...<br><code>\end{flalign*}</code>  |                           |             |        |         |
| New cases environment                         | <code>\begin{cases}</code><br>...<br><code>\end{cases}</code>  | <code>[case-num]cs</code> | yes         | no     | amsmath |
| Display line break                            | <code>\\</code><br>...   | 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       | \notag  | ntg                        | yes         | no     | amsmath |
| Equation tag                | \tag{tag}   | tag                        | yes         | yes    | amsmath |
|                             | \tag*{tag}  |                            |             |        |         |
| Last equation number        | \theequation  | teq                        | no          | no     | ---     |
| Matrix-like environments    |   |                            |             |        |         |
| Name                        | Command   | Snippet                    | Autosnippet | Visual | Package |
| New matrix                  | \begin{lp b B v V matrix}<br>...<br>\end{lp b B v V matrix} | {lp b B v V }{rows}x{cols} | yes         | no     | amsmath |
| New homogeneous matrix      | \begin{lp b B v V matrix}<br>...<br>\end{lp b B v V matrix} | {lp b B v V }{rows},{cols} | yes         | no     | amsmath |
| New generic matrix          | \begin{lp b B v V matrix}<br>...<br>\end{lp b B v V matrix} | {lp b B v V }gn            | yes         | no     | amsmath |
| Subscripts and superscripts |   |                            |             |        |         |
| Name                        | Command   | Snippet                    | Autosnippet | Visual | Package |
| Short subscript             | _   | ;                          | yes         | no     | ---     |
| Subscript                   | _{\dots}  | :                          | yes         | yes    | ---     |
| Short superscript           | ^   | '                          | yes         | no     | ---     |
| Superscript                 | ^{\dots}  | ''                         | yes         | yes    | ---     |
| Subscript and superscript   | _{\dots}^{\dots}  | '                          | yes         | no     | ---     |
| Stacking                    | \substack{\dots \\\dots}                                    | st                         | yes         | yes    | amsmath |
| Compound structures         |   |                            |             |        |         |
| Name                        | Command   | Snippet                    | Autosnippet | Visual | Package |
| Left relation arrow         | \xleftarrow{top}  | ltx                        | yes         | no     | amsmath |
|                             | \xleftarrow[bottom]{top}                                    |                            |             |        |         |
| Right relation arrow        | \xrightarrow{top}   | rtx                        | yes         | no     | amsmath |
|                             | \xrightarrow[bottom]{top}                                   |                            |             |        |         |
| Continued fraction          | \cfrac{num}{den}<br>}                                       | cf                         | yes         | no     | amsmath |
|                             | \cfrac[num-alignment]{num}{den}<br>}                        |                            |             |        |         |
| Boxed formula               | \boxed{\dots}   | bx                         | yes         | yes    | amsmath |
| Fraction                    | \frac{\dots}{\dots}   | ff                         | yes         | no     | ---     |
|                             | \dfrac{\dots}{\dots}  |                            |             |        | amsmath |
|                             | \tfrac{\dots}{\dots}  |                            |             |        | amsmath |
| Binomial coefficient        | \binom{\dots}{\dots}  | bm                         | yes         | no     | amsmath |
|                             | \dbinom{\dots}{\dots}                                       |                            |             |        | amsmath |
|                             | \tbinom{\dots}{\dots}                                       |                            |             |        | 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            | \dots \equiv \dots \pmod{\dots}                             | mod                        | yes         | no     | ---     |
|                             | \dots \not\equiv \dots \pmod{\dots}                         |                            |             |        | ---     |
|                             | \dots \equiv \dots \mod{\dots}                              |                            |             |        | amsmath |
|                             | \dots \not\equiv \dots \mod{\dots}                          |                            |             |        | 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     | ---     |
| Consequent                  | \cong   | cc                         | yes         | no     | ---     |

|                              |  |              |             |        |                      |
|------------------------------|--|--------------|-------------|--------|----------------------|
| Congruent                    | <code>\ncong</code>                                  | $\ncong$     | yes         | no     | <code>amssymb</code> |
| Less or equal                | <code>\le</code>                                     | $\le$        | yes         | no     | ---                  |
| Greater or equal             | <code>\ge</code>                                     | $\ge$        | yes         | no     | ---                  |
| Precedes                     | <code>\prec</code>                                   | $\prec$      | yes         | no     | ---                  |
|                              | <code>\nprec</code>                                  |              |             |        | <code>amssymb</code> |
| Succeeds                     | <code>\succ</code>                                   | $\succ$      | yes         | no     | ---                  |
|                              | <code>\nsucc</code>                                  |              |             |        | <code>amssymb</code> |
| Relation                     | <code>\sim</code>                                    | $\sim$       | yes         | no     | ---                  |
|                              | <code>\nsim</code>                                   |              |             |        | <code>amssymb</code> |
| Operators                    |  |              |             |        |                      |
| Name                         | Command  | Snippet      | Autosnippet | Visual | Package              |
| Define new operator          | <code>\DeclareMathOperator{cmd}{text}</code>         | $\text{opr}$ | no          | no     | <code>amsmath</code> |
|                              | <code>\DeclareMathOperator*{cmd}{text}</code>        |              |             |        |                      |
| Ceiling                      | <code>\lceil ... \rceil</code>                       | $\text{ce}$  | no          | yes    | ---                  |
|                              | <code>\left\lceil ... \right\rceil</code>            |              |             |        |                      |
| Floor                        | <code>\lfloor ... \rfloor</code>                     | $\text{fl}$  | yes         | yes    | ---                  |
|                              | <code>\left\lfloor ... \right\rfloor</code>          |              |             |        |                      |
| Square root                  | <code>\sqrt{...}</code>                              | $\text{sq}$  | yes         | yes    | ---                  |
|                              | <code>\sqrt[n-th]{...}</code>                        |              |             |        | ---                  |
|                              | <code>\sqrt[\leftroot{x}\uproot{y} n-th]{...}</code> |              |             |        | <code>amsmath</code> |
| Imaginary part               | <code>\Im</code>                                     | $\text{imp}$ | yes         | no     | ---                  |
| Real part                    | <code>\Re</code>                                     | $\text{rpa}$ | yes         | no     | ---                  |
| Mod operator                 | <code>... \bmod ...</code>                           | $\text{opm}$ | yes         | no     | ---                  |
| Minus plus                   | <code>\mp</code>                                     | $\text{mp}$  | yes         | no     | ---                  |
| Plus minus                   | <code>\pm</code>                                     | $\text{pm}$  | yes         | no     | ---                  |
| Times                        | <code>\times</code>                                  | $\text{tm}$  | yes         | no     | ---                  |
| Centered dot                 | <code>\cdot</code>                                   | $\text{cd}$  | yes         | no     | ---                  |
| Circle                       | <code>\circ</code>                                   | $\text{cir}$ | yes         | no     | ---                  |
| Oplus                        | <code>\oplus</code>                                  | $\text{opl}$ | yes         | no     | ---                  |
| Otimes                       | <code>\otimes</code>                                 | $\text{omt}$ | yes         | no     | ---                  |
| Middle bar                   | <code>\mid</code>                                    | $\text{dv}$  | yes         | no     | ---                  |
| Maximum                      | <code>\max</code>                                    | $\text{xm}$  | yes         | no     | ---                  |
|                              | <code>\max_{...}</code>                              |              |             |        |                      |
| Minimum                      | <code>\min</code>                                    | $\text{mu}$  | yes         | no     | ---                  |
|                              | <code>\min_{...}</code>                              |              |             |        |                      |
| Infimum                      | <code>\inf</code>                                    | $\text{nf}$  | yes         | no     | ---                  |
|                              | <code>\inf_{...}</code>                              |              |             |        |                      |
| Supremum                     | <code>\sup</code>                                    | $\text{sr}$  | yes         | no     | ---                  |
|                              | <code>\sup_{...}</code>                              |              |             |        |                      |
| Argument                     | <code>\arg</code>                                    | $\text{arg}$ | yes         | no     | ---                  |
| Degree                       | <code>\deg</code>                                    | $\text{deg}$ | yes         | no     | ---                  |
| Determinant                  | <code>\det</code>                                    | $\text{det}$ | yes         | no     | ---                  |
| Dimension                    | <code>\dim</code>                                    | $\text{dim}$ | yes         | no     | ---                  |
| Greatest common divisor      | <code>\gcd</code>                                    | $\text{gc}$  | yes         | no     | ---                  |
| Hom                          | <code>\hom</code>                                    | $\text{hm}$  | yes         | no     | ---                  |
| Kernel                       | <code>\ker</code>                                    | $\text{kr}$  | yes         | no     | ---                  |
| Laplacian                    | <code>\nabla^2</code>                                | $\text{lap}$ | yes         | no     | ---                  |
| Divergence                   | <code>\nabla\cdot\vv{...}</code>                     | $\text{div}$ | yes         | no     | <code>esvect</code>  |
|                              | <code>\nabla\cdot\vec{...}</code>                    |              |             |        | ---                  |
| Curl                         | <code>\nabla\times\vv{...}</code>                    | $\text{cur}$ | yes         | no     | <code>esvect</code>  |
|                              | <code>\nabla\times\vec{...}</code>                   |              |             |        | ---                  |
| Operators with limits        |  |              |             |        |                      |
| Limit                        | <code>\lim_{... \to ...}</code>                      | $\text{lm}$  | yes         | no     | ---                  |
|                              | <code>\lim</code>                                    |              |             |        |                      |
| liminf                       | <code>\liminf_{... \to ...}</code>                   | $\text{lif}$ | yes         | no     | ---                  |
|                              | <code>\liminf</code>                                 |              |             |        |                      |
| limsup                       | <code>\limsup_{... \to ...}</code>                   | $\text{lsu}$ | yes         | no     | ---                  |
|                              | <code>\limsup</code>                                 |              |             |        |                      |
| varliminf                    | <code>\varliminf_{... \to ...}</code>                | $\text{lvf}$ | yes         | no     | <code>amsmath</code> |
|                              | <code>\varliminf</code>                              |              |             |        |                      |
| varlimsup                    | <code>\varlimsup_{... \to ...}</code>                | $\text{lvu}$ | yes         | no     | <code>amsmath</code> |
|                              | <code>\varlimsup</code>                              |              |             |        |                      |
| Functions                    |  |              |             |        |                      |
| Name                         | Command  | Snippet      | Autosnippet | Visual | Package              |
| Function domain and codomain | <code>fun : dom \longrightarrow cod</code>           | $\text{fn}$  | yes         | no     | ---                  |
|                              | <code>\begin{align*}</code>                          |              |             |        |                      |



|                       |  |         |             |        |          |
|-----------------------|--|---------|-------------|--------|----------|
| Function definition   | $\begin{array}{l} \text{fun : dom \& \rightarrow cod} \\ \text{point \& \mapsto img} \\ \text{\end{align*}} \end{array}$ | fd      | no          | no     | amsmath  |
| sin                   | \sin   | sni     | yes         | no     | ---      |
| cos                   | \cos   | co      | yes         | no     | ---      |
| tan                   | \tan   | tn      | yes         | no     | ---      |
| cot                   | \cot   | ot      | yes         | no     | ---      |
| sec                   | \sec   | sc      | yes         | no     | ---      |
| csc                   | \csc   | cc      | yes         | no     | ---      |
| arcsin                | \arcsin  | asin    | yes         | no     | ---      |
| arccos                | \arccos  | acos    | yes         | no     | ---      |
| arctan                | \arctan  | atan    | yes         | no     | ---      |
| arccot                | \arccot  | acot    | yes         | no     | amsmath* |
| arcsec                | \arcsec  | asec    | yes         | no     | amsmath* |
| arccsc                | \arccsc  | acc     | yes         | no     | amsmath* |
| sinh                  | \sinh  | sinh    | yes         | no     | ---      |
| cosh                  | \cosh  | cosh    | yes         | no     | ---      |
| tanh                  | \tanh  | tanh    | yes         | no     | ---      |
| coth                  | \coth  | coth    | yes         | no     | ---      |
| sech                  | \sech  | sh      | yes         | no     | amsmath* |
| csch                  | \csch  | tanh    | yes         | no     | amsmath* |
| arcsinh               | \arcsinh   | ahsin   | yes         | no     | amsmath* |
| arccosh               | \arccosh   | ahcos   | yes         | no     | amsmath* |
| arctanh               | \arctanh   | ahtan   | yes         | no     | amsmath* |
| arccoth               | \arccoth   | ahcot   | yes         | no     | amsmath* |
| arcsech               | \arcsech   | ahsec   | yes         | no     | amsmath* |
| arccsch               | \arccsch   | ahcc    | yes         | no     | amsmath* |
| exp                   | \exp   | xp      | yes         | no     | ---      |
| ln                    | \ln  | ln      | yes         | no     | ---      |
| log                   | \log   | lg      | yes         | no     | ---      |
| Ellipsis              |  |         |             |        |          |
| Name                  | Command  | Snippet | Autosnippet | Visual | Package  |
| Lower dots            | \ldots   | dd      | yes         | no     | ---      |
| Centered dots         | \cdots   | cr      | yes         | no     | ---      |
| Vertical dots         | \vdots   | vd      | yes         | no     | ---      |
| Diagonal dots         | \ddots   | gd      | yes         | no     | ---      |
| Colon                 | \colon   | cln     | yes         | no     | ---      |
| Semicolon             | ;  | sln     | yes         | no     | ---      |
| Horizontal extensions |  |         |             |        |          |
| Name                  | Command  | Snippet | Autosnippet | Visual | Package  |
| Overline              | \overline{...}   | ovr     | yes         | yes    | ---      |
| Underline             | \underline{...}  | und     | yes         | yes    | ---      |
| Overbrace             | \overbrace{...}^{\textit{top}}   | ovb     | yes         | yes    | ---      |
| Underbrace            | \underbrace{...}_{\textit{bottom}}   | unb     | yes         | yes    | ---      |
| Delimiters            |  |         |             |        |          |
| Name                  | Command  | Snippet | Autosnippet | Visual | Package  |
| Parenthesis           | \left( ... \right)   | dp      | yes         | yes    | ---      |
| Brackets              | \left[ ... \right]   | ds      | yes         | yes    | ---      |
| Braces                | \{ ... \}  | bb      | yes         | yes    | ---      |
| Extensible braces     | \left\{ ... \right\}   | db      | yes         | yes    | ---      |
| Angle brackets        | \left\langle ... \right\rangle   | dk      | yes         | yes    | ---      |
|                       | \langle ... \rangle  |         |             |        |          |
| Pipes                 | \left\lvert ... \right\rvert   | da      | yes         | yes    | amsmath  |
|                       | \lvert ... \rvert  |         |             |        |          |
| Double pipes          | \left\lvert ... \right\rvert   | dn      | yes         | yes    | amsmath  |
|                       | \lvert ... \rvert  |         |             |        |          |
| Big-g delimiters      | \big   | big     | yes         | no     | ---      |
|                       | \Big   |         |             |        |          |
|                       | \bigg  |         |             |        |          |
|                       | \Bigg  |         |             |        |          |
| Spacing commands      |  |         |             |        |          |
| Name                  | Command  | Snippet | Autosnippet | Visual | Package  |
| Thin space            | \,   | thp     | yes         | no     | ---      |
| Medium space          | \:   | mdn     | yes         | no     | ---      |
| Thick space           | \;   | tkp     | yes         | no     | ---      |
| Enskip                | \enskip  | enp     | yes         | no     | ---      |
| Quad                  | \quad  | qu      | yes         | no     | ---      |

| Double quad           | \qqquad        | qq      | yes         | no     | ---     |
|-----------------------|----------------|---------|-------------|--------|---------|
| Negative thin space   | \!             | thn     | yes         | no     | ---     |
| Negative medium space | \negmedspace   | men     | yes         | no     | ---     |
| Negative thick space  | \negthickspace | tkn     | yes         | no     | ---     |
| Horizontal space      | \hspace{...}   | hs      | yes         | no     | ---     |
| Vertical space        | \vspace{...}   | vs      | yes         | no     | ---     |
| Greek alphabet        |                |         |             |        |         |
| Name                  | Command        | Snippet | Autosnippet | Visual | Package |
| Alpha                 | \alpha         | .a      | yes         | no     | ---     |
| Beta                  | \beta          | .b      | yes         | no     | ---     |
| Chi                   | \chi           | .c      | yes         | no     | ---     |
| Uppercase delta       | \Delta         | .D      | yes         | no     | ---     |
| Lowercase delta       | \delta         | .d      | yes         | no     | ---     |
| Epsilon               | \varepsilon    | .e      | yes         | no     | ---     |
|                       | \epsilon       |         |             |        |         |
| Uppercase gamma       | \Gamma         | .G      | yes         | no     | ---     |
| Lowercase gamma       | \gamma         | .g      | yes         | no     | ---     |
| Eta                   | \eta           | .h      | yes         | no     | ---     |
| Iota                  | \iota          | .i      | yes         | no     | ---     |
| Kappa                 | \kappa         | .k      | yes         | no     | ---     |
| Uppercase lambda      | \Lambda        | .L      | yes         | no     | ---     |
| Lowercase lambda      | \lambda        | .l      | yes         | no     | ---     |
| Mu                    | \mu            | .m      | yes         | no     | ---     |
| Nu                    | \nu            | .n      | yes         | no     | ---     |
| Uppercase omega       | \Omega         | .O      | yes         | no     | ---     |
| Lowercase omega       | \omega         | .o      | yes         | no     | ---     |
| Uppercase phi         | \Phi           | .Ph     | yes         | no     | ---     |
| Lowercase phi         | \phi           | .ph     | yes         | no     | ---     |
|                       | \varphi        |         |             |        |         |
| Uppercase pi          | \Pi            | .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                     | $\mathbf{\{...\}}$               | 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             | $\neg$                           | lt      | yes         | no     | ---      |
| Logic and                  | $\wedge$                         | lan     | yes         | no     | ---      |
| Logic or                   | $\vee$                           | 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     | ---      |
|                            | $\nsupseteq$                     |         |             |        | amssymb  |
| Contains                   | $\supset$                        | sps     | yes         | no     | ---      |
| Contains or equals         | $\supseteq$                      | spq     | yes         | no     | ---      |
|                            | $\nsupseteq$                     |         |             |        | amssymb  |
| Dots set                   | $\{ \dots \}$                    | setd    | yes         | no     | *        |
| Bar set                    | $\{ \dots \}$                    | 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                    | <code>\dx</code>                                       | df      | yes         | no     | amsmath* |
| Derivative                      | <code>\der{func}{var}</code>                           | der     | yes         | no     | amsmath* |
|                                 | <code>\Der{func}{var}</code>                           |         |             |        |          |
| n-th derivative                 | <code>\ndr{n}{func}{var}</code>                        | ndr     | yes         | no     | amsmath* |
|                                 | <code>\Ndr{n}{func}{var}</code>                        |         |             |        |          |
| partial derivative              | <code>\pdr{func}{var}</code>                           | pdr     | yes         | no     | *        |
|                                 | <code>\Pdr{func}{var}</code>                           |         |             |        |          |
| n-th partial derivative         | <code>\npd{n}{func}{var}</code>                        | npd     | yes         | no     | *        |
|                                 | <code>\Npd{n}{func}{var}</code>                        |         |             |        |          |
| Derivative evaluation           | <code>\evl{...}</code>                                 | evl     | yes         | no     | amsmath* |
| Integrals                       |  |         |             |        |          |
| Name                            | Command  | Snippet | Autosnippet | Visual | Package  |
| Integral                        | <code>\int</code>                                      | itn     | yes         | no     | ---      |
|                                 | <code>\oint</code>                                     |         |             |        |          |
| Subscript integral              | <code>\int_{...}</code>                                | its     | yes         | no     | ---      |
|                                 | <code>\oint_{...}</code>                               |         |             |        |          |
| Definite integral               | <code>\int_{...}^{...}</code>                          | itd     | yes         | no     | ---      |
| Double integral                 | <code>\iint</code>                                     | itbn    | yes         | no     | amsmath  |
|                                 | <code>\oiint</code>                                    |         |             |        | esint    |
| Double integral subscript       | <code>\iint_{...}</code>                               | itbs    | yes         | no     | amsmath  |
|                                 | <code>\oiint_{...}</code>                              |         |             |        | esint    |
| Triple integral                 | <code>\iiint</code>                                    | ittn    | yes         | no     | amsmath  |
|                                 | <code>\oiiint</code>                                   |         |             |        | txfonts  |
| Triple integral subscript       | <code>\iiint_{...}</code>                              | itts    | yes         | no     | amsmath  |
|                                 | <code>\oiiint_{...}</code>                             |         |             |        | txfonts  |
| Quadruple integral              | <code>\iiiiint</code>                                  | itqn    | yes         | no     | amsmath  |
| Quadruple integral subscript    | <code>\iiiiint_{...}</code>                            | itqs    | yes         | no     | amsmath  |
| Multiple integral               | <code>\idotsint</code>                                 | itmn    | yes         | no     | amsmath  |
| Multiple integral subscript     | <code>\idotsint_{...}</code>                           | itms    | yes         | no     | amsmath  |
| bibtex.lua                      |  |         |             |        |          |
| Bibliography and citations      |  |         |             |        |          |
| Citations                       |  |         |             |        |          |
| Name                            | Command  | Snippet | Autosnippet | Visual | Package  |
| Citation style                  | <code>\citestyle{...}</code>                           | cst     | no          | no     | amsmath  |
| Citation                        | <code>\cite{key-list}</code>                           | ct      | no          | no     | ---      |
|                                 | <code>\cite[text]{key-list}</code>                     |         |             |        |          |
| Full citation                   | <code>\fullcite{key-list}</code>                       | cf      | no          | no     | jurabib  |
|                                 | <code>\fullcite[post-note]{key-list}</code>            |         |             |        |          |
|                                 | <code>\fullcite[annotator][post-note]{key-list}</code> |         |             |        |          |
| Cite not cited                  | <code>\nocite{key-list}</code>                         | ctn     | no          | no     | ---      |
|                                 | <code>\nocite{*}</code>                                |         |             |        |          |
| Textual citation                | <code>\citet{key-list}</code>                          | tc      | no          | no     | natbib   |
|                                 | <code>\citet[post-note]{key-list}</code>               |         |             |        |          |
|                                 | <code>\citet[pre-note][post-note]{key-list}</code>     |         |             |        |          |
|                                 | <code>\citet*{key-list}</code>                         |         |             |        |          |
|                                 | <code>\citet*[post-note]{key-list}</code>              |         |             |        |          |
|                                 | <code>\citet*[pre-note][post-note]{key-list}</code>    |         |             |        |          |
| No parentheses textual citation | <code>\citealt{key-list}</code>                        | tnc     | no          | no     | natbib   |
|                                 | <code>\citealt[post-note]{key-list}</code>             |         |             |        |          |
|                                 | <code>\citealt[pre-note][post-note]{key-list}</code>   |         |             |        |          |
|                                 | <code>\citealt*{key-list}</code>                       |         |             |        |          |
|                                 | <code>\citealt*[post-note]{key-list}</code>            |         |             |        |          |
|                                 | <code>\citealt*[pre-note][post-note]{key-list}</code>  |         |             |        |          |
| Parenthetical citation          | <code>\citep{key-list}</code>                          | tpc     | no          | no     | natbib   |
|                                 | <code>\citep[post-note]{key-list}</code>               |         |             |        |          |
|                                 | <code>\citep[pre-note][post-note]{key-list}</code>     |         |             |        |          |
|                                 | <code>\citep*{key-list}</code>                         |         |             |        |          |
|                                 | <code>\citep*[post-note]{key-list}</code>              |         |             |        |          |
|                                 | <code>\citep*[pre-note][post-note]{key-list}</code>    |         |             |        |          |
| Author citation                 | <code>\citeauthor{key-list}</code>                     | auc     | no          | no     | natbib   |
|                                 | <code>\citeauthor*{key-list}</code>                    |         |             |        |          |
| Year citation                   | <code>\citeyear{key-list}</code>                       | yec     | no          | no     | natbib   |
|                                 | <code>\citeyearpar{key-list}</code>                    |         |             |        |          |
| 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,<br>author = "author",<br>title = "title",<br>journal = "journal",<br>year = "year",<br>volume = "volume",<br>number = "number",<br>pages = "pages",<br>month = "month",<br>note = "note"<br>}   | art     | no          | no     | ---     |
| book                | @book{key-identifier,<br>author = "author",<br>editor = "editor",<br>title = "title",<br>publisher = "publisher",<br>year = "year",<br>volume = "volume",<br>number = "number",<br>series = "pages",<br>address = "address",<br>edition = "edition",<br>month = "month",<br>note = "note"<br>}   | bks     | no          | no     | ---     |
| booklet             | @booklet{key-identifier,<br>title = "title",<br>author = "author",<br>howpublished = "howpublished",<br>address = "address",<br>month = "month",<br>year = "year",<br>note = "note"<br>}   | bkl     | no          | no     | ---     |
| inbook              | @inbook{key-identifier,<br>author = "author",<br>editor = "editor",<br>title = "title",<br>chapter = "chapter",<br>pages = "pages",<br>publisher = "publisher",<br>year = "year",<br>volume = "volume",<br>number = "number",<br>series = "pages",<br>type = "type",<br>address = "address",<br>edition = "edition",<br>month = "month",<br>note = "note"<br>} | ibk     | no          | no     | ---     |
| incollection        | @incollection{key-identifier,<br>author = "author",<br>title = "title",<br>booktitle = "booktitle",<br>publisher = "publisher",<br>year = "year",<br>editor = "editor",<br>volume = "volume",<br>number = "number",<br>series = "pages",<br>}  | inc     | no          | no     | ---     |

|               |  |     |    |    |     |
|---------------|--|-----|----|----|-----|
|               | <pre> type = "type", chapter = "chapter", pages = "pages", address = "address", edition = "edition", month = "month", note = "note" } </pre>   |     |    |    |     |
| inproceedings | <pre> @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" } </pre> | inp | no | no | --- |
| manual        | <pre> @manual{key-identifier,   title = "title",   author = "author",   organization = "organization",   address = "address",   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 | --- |
|               | <pre> @proceedings{key-identifier,   title = "title",   year = "year",   editor = "editor", </pre>   |     |    |    |     |

|  |  |     |    |    |         |
|--|--|-----|----|----|---------|
| proceedings  | <pre> 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}{arcssech}</code>   |  |     |    |    | amsmath |
| <code>\DeclareMathOperator{\arccsch}{arccsch}</code>   |  |     |    |    |         |
| Logic  |  |     |    |    |         |
| Code   |  |     |    |    | Package |
| <pre> \let\oldforall\forall \renewcommand{\forall}{\:\oldforall\:} </pre>  |  |     |    |    | ---     |
| <pre> \let\oldexists\exists \renewcommand{\exists}{\:\oldexists\:} </pre>  |  |     |    |    | ---     |
| <pre> \let\oldnexists\nexists \renewcommand{\nexists}{\:\oldnexists\:} </pre>  |  |     |    |    | 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 |
| <pre> \newcommand{\der}[2]{\frac{\dr#1}{\dr#2}} \newcommand{\Der}[2]{\frac{\dr}{\dr#2}\#1} </pre>  |  |     |    |    | amsmath |
| <pre> \newcommand{\ndr}[3]{\frac{\dr^{#1}\#2}{\dr^{#3}\#1}} \newcommand{\Ndr}[3]{\frac{\dr^{#1}}{\dr^{#3}\#1}\#2} </pre>                     |  |     |    |    | amsmath |
| <pre> \newcommand{\pdr}[2]{\frac{\partial#1}{\partial#2}} \newcommand{\Pdr}[2]{\frac{\partial}{\partial#2}\#1} </pre>                        |  |     |    |    |         |
| <pre> \newcommand{\npd}[3]{\frac{\partial^{#1}\#2}{\partial^{#3}\#1}} \newcommand{\Npd}[3]{\frac{\partial^{#1}}{\partial^{#3}\#1}\#2} </pre> |  |     |    |    |         |
| <code>\newcommand{\evl}[1]{\mathrel{\bigg _{\#1}}}</code>  |  |     |    |    | amsmath |