

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>	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	<code>\label{lem:key}</code>	lle	no	no	---
Label corollary	<code>\label{cor:key}</code>	lco	no	no	---
Label definition	<code>\label{def:key}</code>	lde	no	no	---
Label remark	<code>\label{rem:key}</code>	lre	no	no	---
Label exercise	<code>\label{ex:key}</code>	lex	no	no	---
Label example	<code>\label{eg:key}</code>	leg	no	no	---
Label principle	<code>\label{princ:key}</code>	lpn	no	no	---
Label item	<code>\label{it:key}</code>	lbi	no	no	---
Label figure	<code>\label{fig:key}</code>	lfg	no	no	---
Label table	<code>\label{tbl:key}</code>	lta	no	no	---
Reference commands					
Name	Command	Snippet	Autosnippet	Visual	Package
Generic reference	<code>\ref{key}</code>	rge	no	no	---
Reference section	<code>\ref{sec:key}</code>	rsn	no	no	---
Reference subsection	<code>\ref{sub:key}</code>	rsb	no	no	---
Reference subsubsection	<code>\ref{ssub:key}</code>	rss	no	no	---
Reference chapter	<code>\ref{ch:key}</code>	rch	no	no	---
Reference paragraph	<code>\ref{par:key}</code>	rpa	no	no	---
Reference subparagraph	<code>\ref{subpar:key}</code>	rsp	no	no	---
Reference equation	<code>\eqref{eq:key}</code>	rfe	no	no	---
Reference theorem	<code>\ref{thm:key}</code>	rft	no	no	---
Reference proposition	<code>\ref{prop:key}</code>	rps	no	no	---
Reference lemma	<code>\ref{lem:key}</code>	rle	no	no	---
Reference corollary	<code>\ref{cor:key}</code>	rco	no	no	---
Reference definition	<code>\ref{def:key}</code>	rde	no	no	---
Reference remark	<code>\ref{rem:key}</code>	rre	no	no	---
Reference exercise	<code>\ref{ex:key}</code>	rex	no	no	---
Reference example	<code>\ref{eg:key}</code>	reg	no	no	---
Reference principle	<code>\ref{princ:key}</code>	rpn	no	no	---
Reference item	<code>\ref{it:key}</code>	rfi	no	no	---
Reference figure	<code>\ref{fig:key}</code>	rfg	no	no	---
Reference table	<code>\ref{tbl:key}</code>	rta	no	no	---
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>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> ... <code>\end{multicols}</code>	mul	no	no	multicol
	<code>\begin{multicols}{columns}[preface]</code> ... <code>\end{multicols}</code>				
	<code>\begin{multicols}{columns}[preface][skip]</code> ... <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> <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	---
Capital roman enumerated list	<code>\begin{enumerate}[label=\textnormal{(\Roman*)}]</code> <code>\item ...</code> <code>\end{enumerate}</code>	enI	no	no	---
Lowercase roman enumerated list	<code>\begin{enumerate}[label=\textnormal{(\roman*)}]</code> <code>\item ...</code> <code>\end{enumerate}</code>	eni	no	no	---
Capital latin enumerated list	<code>\begin{enumerate}[label=\textnormal{(\Alph*)}]</code> <code>\item ...</code> <code>\end{enumerate}</code>	enA	no	no	---
Lowercase latin enumerated list	<code>\begin{enumerate}[label=\textnormal{(\alph*)}]</code> <code>\item ...</code> <code>\end{enumerate}</code>	ena	no	no	---
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>				
	<code>\begin{proof}</code> ...				

Proof environment	<code>\end{proof}</code>	pf	no	no	amsthm
	<code>\begin{proof}[name]</code>				
	<code>...</code> <code>\end{proof}</code>				
New proposition	<code>\begin{proposition}</code>	ps	no	yes	amsthm
	<code>...</code> <code>\end{proposition}</code>				
	<code>\begin{proposition}[name]</code>				
New corollary	<code>...</code> <code>\end{corollary}</code>	cc	no	yes	amsthm
	<code>\begin{corollary}[name]</code>				
	<code>...</code> <code>\end{corollary}</code>				
New lemma	<code>\begin{lemma}</code>	ll	no	yes	amsthm
	<code>...</code> <code>\end{lemma}</code>				
	<code>\begin{lemma}[name]</code>				
New definition	<code>...</code> <code>\end{definition}</code>	dd	no	yes	amsthm
	<code>\begin{definition}[name]</code>				
	<code>...</code> <code>\end{definition}</code>				
New remark	<code>\begin{remark}</code>	re	no	yes	amsthm
	<code>...</code> <code>\end{remark}</code>				
	<code>\begin{remark}[name]</code>				
New exercise	<code>...</code> <code>\end{exercise}</code>	ex	no	yes	amsthm
	<code>\begin{exercise}[name]</code>				
	<code>...</code> <code>\end{exercise}</code>				
New example	<code>\begin{example}</code>	ee	no	yes	amsthm
	<code>...</code> <code>\end{example}</code>				
	<code>\begin{example}[name]</code>				
New principle	<code>...</code> <code>\end{principle}</code>	pn	no	yes	amsthm
	<code>\begin{principle}[name]</code>				
	<code>...</code> <code>\end{principle}</code>				
floats.lua					
Tabular material					
Name	Command	Snippet	Autosnippet	Visual	Package
Table environment	<code>\begin{table}[opt]</code> <code>\begin{tabular}{cols}</code> <code>...</code> <code>\end{tabular}</code> <code>\end{table}</code>	tab	no	no	---
Array environment	<code>\begin{array}{cols}</code> <code>...</code> <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	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 <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} ... \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	\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	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> <code>\begin{equation*}</code> ... <code>\end{equation*}</code>	nn	no	yes	---  amsmath
New multiline	<code>\begin{multline}</code> ... <code>\end{multline}</code> <code>\begin{multline*}</code> ... <code>\end{multline*}</code>	ml	no	yes	amsmath
	<code>\setlength\multlinegap{0pt}</code>	gap	no	no	amsmath
New split	<code>\begin{split}</code> ... <code>\end{split}</code>	sp	no	yes	amsmath
New gather	<code>\begin{gather}</code> ... <code>\end{gather}</code> <code>\begin{gather*}</code> ... <code>\end{gather*}</code>	gg	no	yes	amsmath
	<code>\begin{align*}</code> ... <code>\end{align*}</code> <code>\begin{align}</code> ... <code>\end{align}</code>	aa	no	yes	amsmath
New flalign	<code>\begin{flalign}</code> ... <code>\end{flalign}</code> <code>\begin{flalign*}</code> ... <code>\end{flalign*}</code>	fal	no	yes	amsmath
	<code>\begin{cases}</code> ... <code>\end{cases}</code>	[case-num]cs	yes	no	amsmath
Display line break	<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	yes	no	---
Matrix-like environments					
Name	Command	Snippet	Autosnippet	Visual	Package
New matrix	<code>\begin{lp b B v V matrix}</code> ... <code>\end{lp b B v V matrix}</code>	<code>{lp b B v V }{rows}x{cols}</code>	yes	no	amsmath
New homogeneous matrix	<code>\begin{lp b B v V matrix}</code> ... <code>\end{lp b B v V matrix}</code>	<code>{lp b B v V }{rows},{cols}</code>	yes	no	amsmath
New generic matrix	<code>\begin{lp b B v V matrix}</code> ... <code>\end{lp b B v V matrix}</code>	<code>{lp b B v V }gn</code>	yes	no	amsmath
Subscripts and superscripts					
Name	Command	Snippet	Autosnippet	Visual	Package
Short subscript	<code>_</code>	<code>;</code>	yes	no	---
Subscript	<code>_{...}</code>	<code>:</code>	yes	yes	---
Short superscript	<code>^</code>	<code>'</code>	yes	no	---
Superscript	<code>^{...}</code>	<code>''</code>	yes	yes	---
Subscript and superscript	<code>_{...}^{...}</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	<code>\cfrac{num}{den}</code> <code>}</code>	cf	yes	no	amsmath
	<code>\cfrac[num-alignment]{num}{den}</code> <code>}</code>				
Boxed formula	<code>\boxed{...}</code>	bx	yes	yes	amsmath
Fraction	<code>\frac{...}{...}</code>	ff	yes	no	---
	<code>\dfrac{...}{...}</code>				amsmath
	<code>\tfrac{...}{...}</code>				amsmath
Binomial coefficient	<code>\binom{...}{...}</code>	bm	yes	no	amsmath
	<code>\dbinom{...}{...}</code>				amsmath
	<code>\tbinom{...}{...}</code>				amsmath
Decorations					
Name	Command	Snippet	Autosnippet	Visual	Package
Place material above	<code>\overset{above}{material}</code>	abv	yes	yes	amsmath
Place material below	<code>\underset{below}{material}</code>	bel	yes	yes	amsmath
Limiting positions					
Name	Command	Snippet	Autosnippet	Visual	Package
Above/below operator	<code>\limits</code>	lim	yes	no	---
Right of the operator	<code>\nolimits</code>	nli	yes	no	---
Relations					
Name	Command	Snippet	Autosnippet	Visual	Package
Congruence relation	<code>\equiv</code>	eq	yes	no	---
Modular relation	<code>... \equiv ... \pmod{...}</code>	mod	yes	no	---
	<code>... \not\equiv ... \pmod{...}</code>				---
	<code>... \equiv ... \mod{...}</code>				amsmath
	<code>... \not\equiv ... \mod{...}</code>				amsmath
Left triangle	<code>\vartriangleleft</code>	sbg	yes	no	amssymb
	<code>\ntriangleleft</code>				
Right triangle	<code>\vartriangleright</code>	sgc	yes	no	amssymb
	<code>\ntriangleright</code>				
Not equal	<code>\neq</code>	ne	yes	no	---
Relation negation	<code>\not</code>	nr	yes	no	---
Approx	<code>\approx</code>	app	yes	no	---
Consequent	<code>\cong</code>	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					
Name	Command	Snippet	Autosnippet	Visual	Package
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	$\begin{array}{c} \text{fun : dom \& \rightarrow cod} \\ \text{point \& \mapsto img} \end{array}$	fd	no	no	amsmath
	$\end{array}$				
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	$\operatorname{arccot}$	acot	yes	no	amsmath*
arcsec	$\operatorname{arcsec}$	asec	yes	no	amsmath*
arccsc	$\operatorname{arccsc}$	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	$\operatorname{sech}$	sh	yes	no	amsmath*
csch	$\operatorname{csch}$	tanh	yes	no	amsmath*
arcsinh	$\operatorname{arcsinh}$	ahsin	yes	no	amsmath*
arccosh	$\operatorname{arccosh}$	ahcos	yes	no	amsmath*
arctanh	$\operatorname{arctanh}$	ahtan	yes	no	amsmath*
arccoth	$\operatorname{arccoth}$	ahcot	yes	no	amsmath*
arcsech	$\operatorname{arcsech}$	ahsec	yes	no	amsmath*
arccsch	$\operatorname{arccsch}$	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	$\colon$	sln	yes	no	---
Horizontal extensions					
Name	Command	Snippet	Autosnippet	Visual	Package
Overline	$\overline{\dots}$	ovr	yes	yes	---
Underline	$\underline{\dots}$	und	yes	yes	---
Overbrace	$\overbrace{\dots}^{\textit{top}}$	ovb	yes	yes	---
Underbrace	$\underbrace{\dots}_{\textit{bottom}}$	unb	yes	yes	---
Delimiters					
Name	Command	Snippet	Autosnippet	Visual	Package
Parenthesis	$\left( \dots \right)$	dp	yes	yes	---
Brackets	$\left[ \dots \right]$	ds	yes	yes	---
Braces	$\{ \dots \}$	bb	yes	yes	---
Extensible braces	$\left\{ \dots \right\}$	db	yes	yes	---
Angle brackets	$\left\langle \dots \right\rangle$	dk	yes	yes	---
	$\langle \dots \rangle$				
Pipes	$\left\lvert \dots \right\rvert$	da	yes	yes	amsmath
	$\lvert \dots \rvert$				
Double pipes	$\left\lvert\!\!\lvert \dots \right\rvert\!\!\rvert$	dn	yes	yes	amsmath
	$\lvert\!\!\lvert \dots \rvert\!\!\rvert$				
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	<code>\dot{...}</code>	dr	yes	yes	---
	<code>\ddot{...}</code>				---
	<code>\dddot{...}</code>				amsmath
	<code>\ddddot{...}</code>				amsmath
Hat	<code>\hat{...}</code>	ht	yes	yes	---
	<code>\widehat{...}</code>				
Math ring	<code>\mathring{...}</code>	rng	yes	yes	---
Tilde	<code>\tilde{...}</code>	til	yes	yes	---
	<code>\widetilde{...}</code>				
Vector	<code>\vv{...}</code>	vv	yes	no	esvect
	<code>\vec{...}</code>				---
Logic					
Name	Command	Snippet	Autosnippet	Visual	Package
For all	<code>\forall</code>	fa	yes	no	*
Exists	<code>\exists</code>	ex	yes	no	*
Not exist	<code>\nexists</code>	nx	yes	no	amssymb*
Logic negation	<code>\neg</code>	lt	yes	no	---
Logic and	<code>\wedge</code>	lan	yes	no	---
Logic or	<code>\vee</code>	lor	yes	no	---
Implies	<code>\implies</code>	ip	yes	no	amsmath
Implied by	<code>\impliedby</code>	ib	yes	no	amsmath
If and only if	<code>\iff</code>	iff	yes	no	amsmath
Sets and inclusion					
Name	Command	Snippet	Autosnippet	Visual	Package
Belongs to	<code>\in</code>	in	yes	no	---
Not in	<code>\notin</code>	ntn	yes	no	---
Owns	<code>\ni</code>	na	yes	no	---
Empty set	<code>\emptyset</code>	vc	yes	no	---
	<code>\varnothing</code>				amssymb
Union	<code>\cup</code>	nun	yes	no	---
Big union	<code>\bigcup</code>	bun	yes	no	---
Big subscript union	<code>\bigcup_{...}</code>	sun	yes	no	---
Big definite union	<code>\bigcup_{...}^{...}</code>	dun	yes	no	---
Intersection	<code>\cap</code>	nit	yes	no	---
Big intersection	<code>\bigcap</code>	bit	yes	no	---
Big subscript intersection	<code>\bigcap_{...}</code>	sit	yes	no	---
Big definite intersection	<code>\bigcap_{...}^{...}</code>	dit	yes	no	---
Set difference	<code>\setminus</code>	sf	yes	no	---
Subset	<code>\subset</code>	sbs	yes	no	---
Subset or equals	<code>\subseteq</code>	sbq	yes	no	---
	<code>\nsupseteq</code>				amssymb
Contains	<code>\supset</code>	sps	yes	no	---
Contains or equals	<code>\supseteq</code>	spq	yes	no	---
	<code>\nsubseteq</code>				amssymb
Dots set	<code>\{ ... \std ... \}</code>	setd	yes	no	*
Bar set	<code>\{ ... \mid ... \}</code>	setb	yes	no	
Arrows					
Name	Command	Snippet	Autosnippet	Visual	Package
Long right arrow	<code>\longrightarrow</code>	rar	yes	no	---
Long left arrow	<code>\longleftarrow</code>	lar	yes	no	---
Long maps to	<code>\longmapsto</code>	to	yes	no	---
Sums					
Name	Command	Snippet	Autosnippet	Visual	Package
Subscript sum	<code>\sum_{...}</code>	sm	yes	no	---
	<code>\sum</code>				
Definite sum	<code>\sum_{...}^{...}</code>	ss	yes	no	---
Subscript o-sum	<code>\bigoplus_{...}</code>	sos	yes	no	---
Definite o-sum	<code>\bigoplus_{...}^{...}</code>	nos	yes	no	---
Products					
Name	Command	Snippet	Autosnippet	Visual	Package
Subscript product	<code>\prod_{...}</code>	sp	yes	no	---
	<code>\prod</code>				
Definite product	<code>\prod_{...}^{...}</code>	pp	yes	no	---
Subscript o-times	<code>\bigotimes_{...}</code>	sop	yes	no	---
Definite o-times	<code>\bigotimes_{...}^{...}</code>	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, 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", }	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}{\, , \,}</code>					amsmath
<code>\newcommand{\dr}{\, , \,}</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