

LaTeX Snippets. See Goossens, M., Mittelbach, F. <i>The LaTeX Companion</i> . 2 ed. for a detailed explanation of each command					
structure.lua					
Document preamble					
Name	Command	Snippet	Autosnippet	Visual	Package
Document class	<code>\documentclass{document-class}</code>	doc	no	no	---
	<code>\documentclass[class-options]{document-class}</code>				
Use package	<code>\usepackage{package-name}</code>	pk	no	no	---
	<code>\usepackage[package-options]{package-name}</code>				
Title	<code>\title{...}</code>	tl	no	no	---
Author	<code>\author{...}</code>	aut	no	no	---
Date	<code>\date{...}</code>	dat	no	no	---
Today's date	<code>\today</code>	td	no	no	---
Document body	<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	hyperref
Add entry to list	<code>\addcontentsline{file}{sec-unit}{list-entry}</code>	add	no	no	---
Headers in twoside mode	<code>\markboth{left}{right}</code>	mkb	no	no	---
Maketitle	<code>\maketitle</code>	mkt	no	no	---
Table of contents	<code>\tableofcontents</code>	toc	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	\label{rem:key}	lre	no	no	---
Label exercise	\label{ex:key}	lex	no	no	---
Label example	\label{eg:key}	leg	no	no	---
Label principle	\label{princ:key}	lpn	no	no	---
Label item	\label{it:key}	lbi	no	no	---
Label figure	\label{fig:key}	lfg	no	no	---
Label table	\label{tbl:key}	lta	no	no	---
Reference commands					
Name	Command	Snippet	Autosnippet	Visual	Package
Generic reference	\ref{key}	rge	no	no	---
Reference section	\ref{sec:key}	rsn	no	no	---
Reference subsection	\ref{sub:key}	rsb	no	no	---
Reference subsubsection	\ref{ssub:key}	rss	no	no	---
Reference chapter	\ref{ch:key}	rch	no	no	---
Reference paragraph	\ref{par:key}	rpa	no	no	---
Reference subparagraph	\ref{subpar:key}	rsp	no	no	---
Reference equation	\eqref{eq:key}	rfe	no	no	---
Reference theorem	\ref{thm:key}	rft	no	no	---
Reference proposition	\ref{prop:key}	rps	no	no	---
Reference lemma	\ref{lem:key}	rle	no	no	---
Reference corollary	\ref{cor:key}	rco	no	no	---
Reference definition	\ref{def:key}	rde	no	no	---
Reference remark	\ref{rem:key}	rre	no	no	---
Reference exercise	\ref{ex:key}	rex	no	no	---
Reference example	\ref{eg:key}	reg	no	no	---
Reference principle	\ref{princ:key}	rpn	no	no	---
Reference item	\ref{it:key}	rfi	no	no	---
Reference figure	\ref{fig:key}	rfg	no	no	---
Reference table	\ref{tbl:key}	rta	no	no	---
Page reference commands					
Name	Command	Snippet	Autosnippet	Visual	Package
Generic page reference	\pageref{key}	pge	no	no	---
Page of section	\pageref{sec:key}	psn	no	no	---
Page of subsection	\pageref{sub:key}	psb	no	no	---
Page of subsubsection	\pageref{ssub:key}	pss	no	no	---
Page of chapter	\pageref{ch:key}	pch	no	no	---
Page of paragraph	\pageref{par:key}	ppa	no	no	---
Page subparagraph	\pageref{subpar:key}	psp	no	no	---
Page of equation	\pageref{eq:key}	peq	no	no	---
Page of theorem	\pageref{thm:key}	pgt	no	no	---
Page of proposition	\pageref{prop:key}	pps	no	no	---
Page of lemma	\pageref{lem:key}	ple	no	no	---
Page of corollary	\pageref{cor:key}	pco	no	no	---
Page of definition	\pageref{def:key}	pde	no	no	---
Page of remark	\pageref{rem:key}	pre	no	no	---
Page of exercise	\pageref{ex:key}	pex	no	no	---
Page of example	\pageref{eg:key}	peg	no	no	---
Page of principle	\pageref{princ:key}	ppn	no	no	---
Page of item	\pageref{it:key}	pgi	no	no	---
Page of figure	\pageref{fig:key}	pfg	no	no	---
Page of table	\pageref{tbl:key}	pta	no	no	---
formatting.lua					
Formatting					
Text and pages					
Name	Command	Snippet	Autosnippet	Visual	Package
URLs	\url{url}	url	no	yes	url
Cancel stroke	\cancel{text}	ca	no	yes	cancel
Short verbatim	\verb=text=	vr	no	yes	---
Enlarged letter	\lettrine{initial}{text}	ltr	no	yes	lettrine
	\lettrine[val-list]{initial}{text}				
Phantom text		pht	no	yes	---
	\hphantom{text}				
	\vphantom{text}				
Footnote	\footnote{text}	foo	no	yes	---
Marginal note	\marginpar{text}	mr	no	yes	---
New page	\newpage	np	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<...>.\textnormal{\arabic*}</code>	rff	no	no	---
	<code>,ref=\the<...>.\textnormal{\Roman*}</code>				
	<code>,ref=\the<...>.\textnormal{\roman*}</code>				
	<code>,ref=\the<...>.\textnormal{\Alph*}</code>				
	<code>,ref=\the<...>.\textnormal{\alph*}</code>				
Unnumbered list	<code>\begin{itemize}</code> <code>\item ...</code> <code>\end{itemize}</code>	tz	no	no	---
Enumerated list	<code>\begin{enumerate}[label=\textnormal{(\arabic*)}]</code> <code>\item ...</code> <code>\end{enumerate}</code>	enn	no	no	---
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>				
Proof environment	<code>\begin{proof}</code> ... <code>\end{proof}</code>	pf	no	no	amsthm
	<code>\begin{proof}[name]</code> ... <code>\end{proof}</code>				
New proposition	<code>\begin{proposition}</code> ... <code>\end{proposition}</code>	ps	no	yes	amsthm*
	<code>\begin{proposition}[name]</code> ... <code>\end{proposition}</code>				
New corollary	<code>\begin{corollary}</code> ... <code>\end{corollary}</code>	cc	no	yes	amsthm*
	<code>\begin{corollary}[name]</code> ... <code>\end{corollary}</code>				
New lemma	<code>\begin{lemma}</code> ... <code>\end{lemma}</code>	ll	no	yes	amsthm*
	<code>\begin{lemma}[name]</code>				

	<div>...</div> <div>\end{lemma}</div>				
New definition	<div>\begin{definition}</div> <div>...</div> <div>\end{definition}</div>	dd	no	yes	amsthm*
	<div>\begin{definition}[name]</div> <div>...</div> <div>\end{definition}</div>				
New remark	<div>\begin{remark}</div> <div>...</div> <div>\end{remark}</div>	re	no	yes	amsthm*
	<div>\begin{remark}[name]</div> <div>...</div> <div>\end{remark}</div>				
New exercise	<div>\begin{exercise}</div> <div>...</div> <div>\end{exercise}</div>	ex	no	yes	amsthm*
	<div>\begin{exercise}[name]</div> <div>...</div> <div>\end{exercise}</div>				
New example	<div>\begin{example}</div> <div>...</div> <div>\end{example}</div>	ee	no	yes	amsthm*
	<div>\begin{example}[name]</div> <div>...</div> <div>\end{example}</div>				
New principle	<div>\begin{principle}</div> <div>...</div> <div>\end{principle}</div>	pn	no	yes	amsthm*
	<div>\begin{principle}[name]</div> <div>...</div> <div>\end{principle}</div>				
floats.lua					
Tabular material					
Name	Command	Snippet	Autosnippet	Visual	Package
Table environment	<div>\begin{table}[opt]</div> <div>\begin{tabular}{cols}</div> <div>...</div> <div>\end{tabular}</div> <div>\end{table}</div>	tab	no	no	---
Array environment	<div>\begin{array}{cols}</div> <div>...</div> <div>\end{array}</div>	rr	no	no	array
Hyphenate text correctly	\hspace{0pt}	hyp	no	no	---
Redefine \	\arraybackslash	bck	no	no	---
Align text left	\raggedleft	lt	no	no	---
Align text center	\centering	cr	no	no	---
Align text right	\raggedright	rt	no	no	---
Tabular row break	<div>\\</div> <div>...</div>	br	no	no	---
Tabular environment preamble options					
Name	Command	Snippet	Autosnippet	Visual	Package
Top column	p{width}	pc	no	no	---
num copies of opts	*{num}{opts}	cop	no	no	---
Vertically centered column	m{width}	mc	no	no	array
Bottom column	b{width}	bc	no	no	array
Before column options	>{decl}	bl	no	no	array
After column option	<{decl}	af	no	no	array
Floats					
Name	Command	Snippet	Autosnippet	Visual	Package
Caption	<div>\caption{text}</div> <div>\caption[list-entry]{text}</div>	cpt	no	no	---
	<div>\captionof{type}{text}</div> <div>\captionof{type}[list-entry]{text}</div>				
Caption of	<div>\captionof{type}{text}</div> <div>\captionof*{type}{text}</div>	cof	no	no	caption
	<div>\subfloat{object}</div> <div>\subfloat[caption]{object}</div>				
Subfloat		sbf	no	no	subfig

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

New equation	...	nn	no	yes	---
	\end{equation}				amsmath
New multiline	\begin{equation*}	ml	no	yes	amsmath
	...				
	\end{equation*}				
New multiline	\begin{multline}	ml	no	yes	amsmath
	...				
	\end{multline}				
New multiline	\begin{multline*}	ml	no	yes	amsmath
	...				
	\end{multline*}				
Multline gap	\setlenght\multlinegap{0pt}	gap	no	no	amsmath
New split	\begin{split}	sp	no	yes	amsmath
	...				
	\end{split}				
New gather	\begin{gather}	gg	no	yes	amsmath
	...				
	\end{gather}				
New gather	\begin{gather*}	gg	no	yes	amsmath
	...				
	\end{gather*}				
New align	\begin{align}	aa	no	yes	amsmath
	...				
	\end{align}				
New align	\begin{align*}	aa	no	yes	amsmath
	...				
	\end{align*}				
New flalign	\begin{flalign}	fal	no	yes	amsmath
	...				
	\end{flalign}				
New flalign	\begin{flalign*}	fal	no	yes	amsmath
	...				
	\end{flalign*}				
New cases environment	\begin{cases}	[case-num]cs	yes	no	amsmath
	...				
	\end{cases}				
Display line break	\\	br	yes	no	
	...				
Short text between lines	\intertext{text}	itr	yes	yes	amsmath
Text inside display	\text{text}	tx	yes	yes	amsmath
Display page break	\displaybreak	dib	yes	no	amsmath
Displaystyle	\displaystyle	dis	yes	no	---
Textstyle	\textstyle	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	yes	no	---
Matrix-like environments					
Name	Command	Snippet	Autosnippet	Visual	Package
New matrix	\begin{ p b B v V matrix}	{ p b B v V }{rows}x{cols}	yes	no	amsmath
	...				
	\end{ p b B v V matrix}				
New homogeneous matrix	\begin{ p b B v V matrix}	{ p b B v V }{rows}h{cols}	yes	no	amsmath
	...				
	\end{ p b B v V matrix}				
New generic matrix	\begin{ p b B v V matrix}	{ p b B v V }gn	yes	no	amsmath
	...				
	\end{ p b B v V matrix}				
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	<code>\substack{... \\ ...}</code>	st	yes	yes	amsmath
Compound structures					
Name	Command	Snippet	Autosnippet	Visual	Package
Left relation arrow	<code>\xleftarrow{top}</code>	lxl	yes	no	amsmath
	<code>\xleftarrow[bottom]{top}</code>				
Right relation arrow	<code>\xrightarrow{top}</code>	lxr	yes	no	amsmath
	<code>\xrightarrow[bottom]{top}</code>				
Continued fraction	<code>\cfrac{num}{den}</code>	cf	yes	no	amsmath
	<code>\cfrac[num-alignment]{num}{den}</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>\ne</code>	ne	yes	no	---
Relation negation	<code>\not</code>	nr	yes	no	---
Approx	<code>\approx</code>	app	yes	no	---
Congruent	<code>\cong</code>	cn	yes	no	---
	<code>\ncong</code>				amssymb
Less or equal	<code>\le</code>	le	yes	no	---
Greater or equal	<code>\ge</code>	ge	yes	no	---
Precedes	<code>\prec</code>	pc	yes	no	---
	<code>\nprec</code>				amssymb
Succedes	<code>\succ</code>	sx	yes	no	---
	<code>\nsucc</code>				amssymb
Relation	<code>\sim</code>	re	yes	no	---
	<code>\nsim</code>				amssymb
Operators					
Name	Command	Snippet	Autosnippet	Visual	Package
Define new operator	<code>\DeclareMathOperator{cmd}{text}</code>	opr	no	no	amsmath
	<code>\DeclareMathOperator*{cmd}{text}</code>				
Ceiling	<code>\lceil ... \rceil</code>	ce	no	yes	---
Floor	<code>\lfloor ... \rfloor</code>	fl	yes	yes	---
	<code>\left\lfloor ... \right\rfloor</code>				
Square root	<code>\sqrt{...}</code>	sq	yes	yes	---
	<code>\sqrt[n-th]{...}</code>				---
	<code>\sqrt[\leftroot{x}\uproot{y} n-th]{...}</code>				amsmath
Imaginary part	<code>\Im</code>	imp	yes	no	---
Real part	<code>\Re</code>	rpa	yes	no	---
Mod operator	<code>... \bmod ...</code>	opm	yes	no	---
Minus plus	<code>\mp</code>	mp	yes	no	---

Plus minus	\pm	pm	yes	no	---
Times	\times	tm	yes	no	---
Centered dot	\cdot	cd	yes	no	---
Circle	\circ	cir	yes	no	---
Oplus	\oplus	opl	yes	no	---
Otimes	\otimes	omt	yes	no	---
Middle bar	\mid	dv	yes	no	---
Maximum	\max	xm	yes	no	---
	\max_{...}				
Minimum	\min	mu	yes	no	---
	\min_{...}				
Infimum	\inf	nf	yes	no	---
	\inf_{...}				
Supremum	\sup	sr	yes	no	---
	\sup_{...}				
Argument	\arg	arg	yes	no	---
Degree	\deg	deg	yes	no	---
Determinant	\det	det	yes	no	---
Dimension	\dim	dim	yes	no	---
Greatest common divisor	\gcd	gc	yes	no	---
Hom	\hom	hm	yes	no	---
Kernel	\ker	kr	yes	no	---
Laplacian	\nabla^2	lap	yes	no	---
Divergence	\nabla\cdot\vv{...}	div	yes	no	esvect
	\nabla\cdot\vec{...}				---
Curl	\nabla\times\vv{...}	cur	yes	no	esvect
	\nabla\times\vec{...}				---
Bra	\bra{...}	ba	no	no	mathtools*
	\bra*{...}				
Ket	\ket{...}	kt	no	no	mathtools*
	\ket*{...}				
Braket	\braket{...}	bk	no	no	mathtools*
	\braket*{...}{...}				
Operators with limits					
Name	Command	Snippet	Autosnippet	Visual	Package
Limit	\lim_{... \to ...}	lm	yes	no	---
	\lim				
liminf	\liminf_{... \to ...}	lif	yes	no	---
	\liminf				
limsup	\limsup_{... \to ...}	lsu	yes	no	---
	\limsup				
varliminf	\varliminf_{... \to ...}	lvf	yes	no	amsmath
	\varliminf				
varlimsup	\varlimsup_{... \to ...}	lvu	yes	no	amsmath
	\varlimsup				
Functions					
Name	Command	Snippet	Autosnippet	Visual	Package
Function domain and codomain	<i>fun : dom \longrightarrow cod</i>	fn	yes	no	---
Function definition	\begin{align*} <i>fun : dom & \longrightarrow cod \\\</i> <i>point & \longmapsto img</i> \end{align*}	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	hcc	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{...}^{top}	ovb	yes	yes	---
Underbrace	\underbrace{...}_{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\ ... \right\	da	yes	yes	amsmath
	\ ... \				
Double pipes	\left\ ... \right\	dn	yes	yes	amsmath
	\ ... \				
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	\:	mpi	yes	no	---
Thick space	\;	mdn	yes	no	---
Enskip	\enskip	enp	yes	no	---
Quad	\quad	qu	yes	no	---
Double quad	\qquad	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 delta	\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	\hspace{0.5em}	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{...}				---
	\ddd\dot{...}				amsmath
	\dddd\dot{...}				amsmath
Hat	\hat{...}	ht	yes	yes	---
	\widehat{...}				
Math ring	\mathring{...}	rng	yes	yes	---
Tilde	\tilde{...}	til	yes	yes	---
	\widetilde{...}				
Vector	\vv{...}	vv	yes	no	esvect
	\vec{...}				---
Logic					
Name	Command	Snippet	Autosnippet	Visual	Package
For all	\forall	fa	yes	no	*
Exists	\exists	ex	yes	no	*
Not exist	\nexists	nx	yes	no	amssymb*
Logic negation	\lnot	lt	yes	no	---

Logic and	<code>\land</code>	lan	yes	no	---
Logic or	<code>\lor</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>	sus	yes	no	---
Contains or equals	<code>\supseteq</code>	suq	yes	no	---
	<code>\nsupseteq</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	---
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	---
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>\mathrm{d}x</code>	df	yes	no	amsmath*
Derivative	<code>\mathrm{d}{func}{var}</code>	der	yes	no	amsmath*
	<code>\mathrm{D}{func}{var}</code>				
n-th derivative	<code>\mathrm{d}^n{func}{var}</code>	ndr	yes	no	amsmath*
	<code>\mathrm{D}^n{func}{var}</code>				
partial derivative	<code>\mathrm{pdr}{func}{var}</code>	pdr	yes	no	*
	<code>\mathrm{Pdr}{func}{var}</code>				
n-th partial derivative	<code>\mathrm{npd}^n{func}{var}</code>	npd	yes	no	*
	<code>\mathrm{Npd}^n{func}{var}</code>				
Derivative evaluation	<code>\mathrm{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>\iiiint_{...}</code>	itqs	yes	no	amsmath
Multiple integral	<code>\idotsint</code>	itm	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>				
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>				
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	<code>\bibliography{file-list}</code>	bib	no	no	---
Bibliography style	<code>\bibliographystyle{style}</code>	bisty	no	no	---
bib.lua					
BibTeX entry types					
Name	Command	Snippet	Autosnippet	Visual	Package
BibTeX abbreviation	<code>@string{key = "text to abbreviate"}</code>	abv	no	no	---
article	<code>@article{key-identifier, author = "author", title = "title", journal = "journal", year = "year", volume = "volume", number = "number", pages = "pages", month = "month", note = "note" }</code>	art	no	no	---
	<code>@book{key-identifier, author = "author", editor = "editor", title = "title", }</code>				

book	<pre> publisher = "publisher", year = "year", volume = "volume", number = "number", series = "pages", address = "address", edition = "edition", month = "month", note = "note" } </pre>	bks	no	no	---
booklet	<pre> @booklet{key-identifier, title = "title", author = "author", howpublished = "howpublished", address = "address", month = "month", year = "year", note = "note" } </pre>	bkl	no	no	---
inbook	<pre> @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" } </pre>	ibk	no	no	---
incollection	<pre> @incollection{key-identifier, author = "author", title = "title", booktitle = "booktitle", publisher = "publisher", year = "year", editor = "editor", volume = "volume", number = "number", series = "pages", type = "type", chapter = "chapter", pages = "pages", address = "address", edition = "edition", month = "month", note = "note" } </pre>	inc	no	no	---
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", } </pre>	inp	no	no	---

	<pre> edition = "edition", publisher = "publisher", note = "note" } </pre>				
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	---
proceedings	<pre> @proceedings{key-identifier, title = "title", year = "year", editor = "editor", volume = "volume", number = "number", series = "pages", address = "address", publisher = "publisher", note = "note", month = "month", organization = "organization" } </pre>	pcd	no	no	---
techreport	<pre> @techreport{key-identifier, author = "author", title = "title", institution = "institution", year = "year", type = "type", number = "number", address = "address", month = "month", note = "note" } </pre>	tec	no	no	---
	<pre> @unpublished{key-identifier, </pre>				

unpublished	<pre>author = "author", title = "title", note = "note", month = "month", year = "year" }</pre>	unp	no	no	---
Preamble macros					
Operators					
Code					Package
\DeclarePairedDelimiter\bra{\langle}{\rvert}					mathtools
\DeclarePairedDelimiter\ket{\lvert}{\rangle}					mathtools
\DeclarePairedDelimiterX\braket[2]{\langle}{\rangle}{#1\,}{\delimsize\vert}{\mathopen{}}#2}					mathtools
Trigonometric functions					
Code					Package
\DeclareMathOperator{\arccot}{arccot}					amsmath
\DeclareMathOperator{\arcsec}{arcsec}					amsmath
\DeclareMathOperator{\arccsc}{arccsc}					amsmath
\DeclareMathOperator{\sech}{sech}					amsmath
\DeclareMathOperator{\csch}{csch}					amsmath
\DeclareMathOperator{\arcsinh}{arcsinh}					amsmath
\DeclareMathOperator{\arccosh}{arccosh}					amsmath
\DeclareMathOperator{\arcsinh}{arcsinh}					amsmath
\DeclareMathOperator{\arctanh}{arctanh}					amsmath
\DeclareMathOperator{\arccoth}{arccoth}					amsmath
\DeclareMathOperator{\arcssech}{arcssech}					amsmath
\DeclareMathOperator{\arccsch}{arccsch}					
Logic					
Code					Package
\let\oldforall\forall					---
\renewcommand{\forall}{\:\oldforall\,,}					
\let\oldexists\exists					---
\renewcommand{\exists}{\:\oldexists\:}					
\let\oldnexists\nexists					amssymb
\renewcommand{\nexists}{\:\oldnexists\:}					
Sets and inclusion					
Code					Package
\newcommand{\std}{\,, : \,,}					---
Derivatives					
Code					Package
\newcommand{\dx}{\,, \text{d}}					amsmath
\newcommand{\dr}{\text{d}}					amsmath
\newcommand{\der}[2]{\frac{\dr#1}{\dr#2}}					amsmath
\newcommand{\Der}[2]{\frac{\dr}{\dr#2}#1}					
\newcommand{\ndr}[3]{\frac{\dr^{#1}#2}{\dr^{3^{#1}}}}					amsmath
\newcommand{\Ndr}[3]{\frac{\dr^{#1}}{\dr^{3^{#1}}#2}}					
\newcommand{\pdr}[2]{\frac{\partial#1}{\partial#2}}					
\newcommand{\Pdr}[2]{\frac{\partial}{\partial#2}#1}					
\newcommand{\npd}[3]{\frac{\partial^{#1}#2}{\partial^{3^{#1}}}}					
\newcommand{\Npd}[3]{\frac{\partial^{#1}}{\partial^{3^{#1}}#2}}					
\newcommand{\evl}[1]{\mathrel{\bigg _{{#1}}}}					amsmath