

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>				
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	<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>	ppsp	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>	p1e	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>	vr1	no	yes	---
Enlarged letter	<code>\lettrine{initial}{text}</code>	ltr	no	yes	lettrine
	<code>\lettrine[val-list]{initial}{text}</code>				
Footnote	<code>\footnote{text}</code>	foo	no	yes	---
Marginal note	<code>\marginpar{text}</code>	mr1	no	yes	---
New page	<code>\newpage</code>	np1	no	no	---
Columns					
Name	Command	Snippet	Autosnippet	Visual	Package
Multiple columns	<code>\begin{multicols}{columns}</code>	mul	no	no	multicol
	...				
	<code>\end{multicols}</code>				
	<code>\begin{multicols}{columns}[preface]</code>				
	...				

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

	<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>	cpt	no	no	---
	<div>\caption[list-entry]{text}</div>				
Caption of	<div>\captionof{type}{text}</div>	cof	no	no	caption
	<div>\captionof{type}[list-entry]{text}</div>				
	<div>\captionof*{type}{text}</div>				
Subfloat	<div>\subfloat{object}</div>	sbf	no	no	subfig
	<div>\subfloat[caption]{object}</div>				
	<div>\subfloat[list-entry][caption]{text}</div>				
Sub-numbers for tables	<div>\begin{subtables}</div> <div>...</div> <div>\end{subtables}</div>	snt	no	no	subfloat
Sub-numbers for figures	<div>\begin{subfigures}</div> <div>...</div>	snf	no	no	subfloat

	\end{subfigures}				
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	sml	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	
	\em			no	
Main font	\textnormal{text}	tn	no	yes	---
	\begin{normalfont}...\end{normalfont}			yes	
	\normalfont			no	
math.lua					
Math					
Math alphabet identifiers					
Name	Command	Snippet	Autosnippet	Visual	Package
Calligraphic math font	\mathcal{...}	mc	yes	yes	---
Roman math font	\mathrm{...}	mr	yes	yes	---
Bold math font	\mathbf{...}	mb	yes	yes	---
Sans serif math font	\mathsf{...}	ms	yes	yes	---
Typewriter math font	\mathtt{...}	mt	yes	yes	---
Normal math font	\mathnormal{...}	mn	yes	yes	---
Italic math font	\mathit{...}	mi	yes	yes	---
Euler Fraktur math font	\mathfrak{...}	mf	yes	yes	amsfonts
Blackboard bold math font	\mathbb{...}	mk	yes	yes	amsfonts
Display environments and alignment structures					
Name	Command	Snippet	Autosnippet	Visual	Package
Inline display	\$...\$	mm	yes	yes	---
Generic environment	\begin{env} ... \end{env}	en	no	yes	---
	\begin{equation} ... \end{equation}	nn	no	yes	---
\begin{equation*} ... \end{equation*}	amsmath				
\begin{multline}					

New multiline	...	ml	no	yes	amsmath
	\end{multline}				
	\begin{multline*}				
	...				
	\end{multline*}				
Multline gap	\setlength\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}				
	\begin{gather*}				
	...				
	\end{gather*}				
New align	\begin{align*}	aa	no	yes	amsmath
	...				
	\end{align*}				
	\begin{align}				
	...				
	\end{align}				
New flalign	\begin{flalign}	fal	no	yes	amsmath
	...				
	\end{flalign}				
	\begin{flalign*}				
	...				
	\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	_ {...}	:	yes	yes	---
Short superscript	^	'	yes	no	---
Superscript	^ {...}	"	yes	yes	---
Subscript and superscript	_ {...}^ {...}	'	yes	no	---
Stacking	\substack{... \\ ...}	st	yes	yes	amsmath
Compound structures					
Name	Command	Snippet	Autosnippet	Visual	Package
Left relation arrow	\xleftarrow{top}	lxl	yes	no	amsmath
	\xleftarrow[bottom]{top}				
Right relation arrow	\xrightarrow{top}	rxr	yes	no	amsmath

Right relation arrow	$\xrightarrow[bottom]{top}$		xi	yes	no	amsmath
Continued fraction	$\cfrac{num}{den}$	cf	yes	no		amsmath
	$\cfrac[num-alignment]{num}{den}$					
Boxed formula	$\boxed{...}$	bx	yes	yes		amsmath
Fraction	$\frac{...}{...}$	ff	yes	no		---
	$\dfrac{...}{...}$					amsmath
	$\tfrac{...}{...}$					amsmath
Binomial coefficient	$\binom{...}{...}$	bm	yes	no		amsmath
	$\dbinom{...}{...}$					amsmath
	$\tbinom{...}{...}$					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	$... \equiv ... \pmod{...}$	mod	yes	no		---
	$... \not\equiv ... \pmod{...}$					---
	$... \equiv ... \mod{...}$					amsmath
	$... \not\equiv ... \mod{...}$					amsmath
Left triangle	\vartriangleleft	sbg	yes	no		amssymb
	\ntriangleleft					
Right triangle	\vartriangleright	sgc	yes	no		amssymb
	\ntriangleright					
Not equal	\neq	ne	yes	no		---
Relation negation	\not	nr	yes	no		---
Approx	\approx	app	yes	no		---
Congruent	\cong	cn	yes	no		---
	\ncong					amssymb
Less or equal	\leq	le	yes	no		---
Greater or equal	\geq	ge	yes	no		---
Precedes	\prec	pc	yes	no		---
	\nprec					amssymb
Succeedes	\succ	sx	yes	no		---
	\nsucc					amssymb
Relation	\sim	re	yes	no		---
	\nsim					amssymb
Operators						
Name	Command	Snippet	Autosnippet	Visual		Package
Define new operator	$\DeclareMathOperator{cmd}{text}$	opr	no	no		amsmath
	$\DeclareMathOperator*{cmd}{text}$					
Ceiling	$\lceil ... \rceil$	ce	no	yes		---
	$\left\lceil ... \right\rceil$					
Floor	$\lfloor ... \rfloor$	fl	yes	yes		---
	$\left\lfloor ... \right\rfloor$					
Square root	$\sqrt{...}$	sq	yes	yes		---
	$\sqrt[n-th]{...}$					---
	$\sqrt[\left\lvert root{x}\right\rceil]{\uproot{n-th}{...}}$					amsmath
Imaginary part	i	imp	yes	no		---
Real part	Re	rpa	yes	no		---
Mod operator	\bmod	opm	yes	no		---
Minus plus	\mp	mp	yes	no		---
Plus minus	\pm	pm	yes	no		---
Times	\times	tm	yes	no		---
Centered dot	\cdot	cd	yes	no		---
Circle	\circ	cir	yes	no		---
Oplus	\oplus	opl	yes	no		---
Otimes	\otimes	omt	yes	no		---

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

arccoth	\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\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	\:	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{1pt}	hl	yes	no	amssymb
Partial	\partial	pt	yes	no	---
Miscellaneous symbols					
Name	Command	Snippet	Autosnippet	Visual	Package
Dollar sign	\\$	dL	yes	no	---
Numeral	\#	hh	yes	no	---
Infinity	\infty	fy	yes	no	---
Prime	\prime	pr	yes	no	---
Percentage	\%	per	yes	no	---
Ampersand	\&	amp	yes	no	---
Angle	\angle	ang	yes	no	---
Nabla	\nabla	nb	yes	no	---
Section symbol	\S	ch	yes	no	---
Accents					
Name	Command	Snippet	Autosnippet	Visual	Package
Dot accent	\dot{...}	dr	yes	yes	---
	\ddot{...}				---
	\dddot{...}				amsmath
	\ddddot{...}				amsmath
Hat	\hat{...}	ht	yes	yes	---
	\widehat{...}				---
Math ring	\mathring{...}	rng	yes	yes	---
Tilde	\tilde{...}	til	yes	yes	---
	\widetilde{...}				---
Vector	\vv{...}	vv	yes	no	esvect
	\vec{...}				---
Logic					
Name	Command	Snippet	Autosnippet	Visual	Package
For all	\forall	fa	yes	no	*
Exists	\exists	ex	yes	no	*
Not exist	\nexists	nx	yes	no	amssymb*
Logic negation	\lnot	lt	yes	no	---
Logic and	\land	lan	yes	no	---
Logic or	\lor	lor	yes	no	---
Implies	\implies	ip	yes	no	amsmath
Implied by	\impliedby	ib	yes	no	amsmath
If and only if	\iff	iff	yes	no	amsmath
Sets and inclusion					

Name	Command	Snippet	Autosnippet	Visual	Package
Belongs to	$\setminus in$	in	yes	no	---
Not in	$\setminus notin$	ntn	yes	no	---
Owns	$\setminus ni$	na	yes	no	---
Empty set	$\setminus emptyset$	vc	yes	no	---
	$\setminus varnothing$				amssymb
Union	$\setminus cup$	nun	yes	no	---
Big union	$\setminus bigcup$	bun	yes	no	---
Big subscript union	$\setminus bigcup_{\{...\}}$	sun	yes	no	---
Big definite union	$\setminus bigcup_{\{...\}}^{\{...\}}$	dun	yes	no	---
Intersection	$\setminus cap$	nit	yes	no	---
Big intersection	$\setminus bigcap$	bit	yes	no	---
Big subscript intersection	$\setminus bigcap_{\{...\}}$	sit	yes	no	---
Big definite intersection	$\setminus bigcap_{\{...\}}^{\{...\}}$	dit	yes	no	---
Set difference	$\setminus setminus$	sf	yes	no	---
Subset	$\setminus subset$	sbs	yes	no	---
Subset or equals	$\setminus subseteq$	sbq	yes	no	---
	$\setminus nsubseteq$				amssymb
Contains	$\setminus supset$	sus	yes	no	---
Contains or equals	$\setminus supseteq$	suq	yes	no	---
	$\setminus nsupseteq$				amssymb
Dots set	$\setminus \{ \dots \setminus std \dots \}$	setd	yes	no	*
Bar set	$\setminus \{ \dots \setminus mid \dots \}$	setb	yes	no	
Arrows					
Name	Command	Snippet	Autosnippet	Visual	Package
Long right arrow	$\setminus longrightarrow$	rar	yes	no	---
Long left arrow	$\setminus longleftarrow$	lar	yes	no	---
Long maps to	$\setminus longmapsto$	to	yes	no	---
Sums					
Name	Command	Snippet	Autosnippet	Visual	Package
Subscript sum	$\setminus sum_{\{...\}}$	sm	yes	no	---
Definite sum	$\setminus sum_{\{...\}}^{\{...\}}$	ss	yes	no	---
Subscript o-sum	$\setminus bigoplus_{\{...\}}$	sos	yes	no	---
Definite o-sum	$\setminus bigoplus_{\{...\}}^{\{...\}}$	nos	yes	no	---
Products					
Name	Command	Snippet	Autosnippet	Visual	Package
Subscript product	$\setminus prod_{\{...\}}$	sp	yes	no	---
Definite product	$\setminus prod_{\{...\}}^{\{...\}}$	pp	yes	no	---
Subscript o-times	$\setminus bigotimes_{\{...\}}$	sop	yes	no	---
Definite o-times	$\setminus bigotimes_{\{...\}}^{\{...\}}$	nop	yes	no	---
Derivatives					
Name	Command	Snippet	Autosnippet	Visual	Package
Differential	$\setminus dx$	df	yes	no	amsmath*
Derivative	$\setminus der\{func\}\{var\}$	der	yes	no	amsmath*
	$\setminus Der\{func\}\{var\}$				
n-th derivative	$\setminus ndr\{n\}\{func\}\{var\}$	ndr	yes	no	amsmath*
	$\setminus Ndr\{n\}\{func\}\{var\}$				
partial derivative	$\setminus pdr\{func\}\{var\}$	pdr	yes	no	*
	$\setminus Pdr\{func\}\{var\}$				
n-th partial derivative	$\setminus npd\{n\}\{func\}\{var\}$	npd	yes	no	*
	$\setminus Npd\{n\}\{func\}\{var\}$				
Derivative evaluation	$\setminus evl\{...\}$	evl	yes	no	amsmath*
Integrals					
Name	Command	Snippet	Autosnippet	Visual	Package
Integral	$\setminus int$	itn	yes	no	---
	$\setminus oint$				
Subscript integral	$\setminus int_{\{...\}}$	its	yes	no	---
	$\setminus oint_{\{...\}}$				
Definite integral	$\setminus int_{\{...\}}^{\{...\}}$	itd	yes	no	---
Double integral	$\setminus iint$	itbn	yes	no	amsmath
	$\setminus oiiint$				esint
Double integral subscript	$\setminus iint_{\{...\}}$	itbs	yes	no	amsmath
	$\setminus oiiint_{\{...\}}$				esint
Triple integral	$\setminus iiiint$	ittn	yes	no	amsmath
	$\setminus oiiiint$				txfonts
Triple integral subscript	$\setminus iiiint_{\{...\}}$	itts	yes	no	amsmath
	$\setminus oiiiint_{\{...\}}$				txfonts

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

	<pre> edition = "edition", month = "month", note = "note" } </pre>				
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", edition = "edition", publisher = "publisher", note = "note" } </pre>	inp	no	no	---
	<pre> @manual{key-identifier, title = "title", </pre>				

manual	<pre> 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	---
unpublished	<pre> @unpublished{key-identifier, author = "author", title = "title", note = "note", month = "month", year = "year" } </pre>	unp	no	no	---

Preamble macros	
Operators	
Code	Package
<code>\DeclarePairedDelimiter\bra{\langle}{\rvert}</code>	mathtools
<code>\DeclarePairedDelimiter\ket{\lvert}{\rangle}</code>	mathtools
<code>\DeclarePairedDelimiterX\braket[2]{\langle}{\rangle}{#1,\delimsize\vert\,\mathopen{}\#2}</code>	mathtools
Trigonometric functions	
Code	Package
<code>\DeclareMathOperator{\arccot}{arccot}</code>	amsmath
<code>\DeclareMathOperator{\arcsec}{arcsec}</code>	amsmath
<code>\DeclareMathOperator{\arccsc}{arccsc}</code>	amsmath
<code>\DeclareMathOperator{\sech}{sech}</code>	amsmath
<code>\DeclareMathOperator{\csch}{csch}</code>	amsmath
<code>\DeclareMathOperator{\arcsinh}{arcsinh}</code>	amsmath
<code>\DeclareMathOperator{\arccosh}{arccosh}</code>	amsmath
<code>\DeclareMathOperator{\arcsinh}{arcsinh}</code>	amsmath
<code>\DeclareMathOperator{\arctanh}{arctanh}</code>	amsmath
<code>\DeclareMathOperator{\arccoth}{arccoth}</code>	amsmath
<code>\DeclareMathOperator{\arcssech}{arcsech}</code>	amsmath
<code>\DeclareMathOperator{\arccsch}{arccsch}</code>	
Logic	
Code	Package
<code>\let\oldforall\forall</code> <code>\renewcommand{\forall}{\:\oldforall\,}</code>	---
<code>\let\oldexists\exists</code> <code>\renewcommand{\exists}{\:\oldexists\:}</code>	---
<code>\let\oldnexists\nexists</code> <code>\renewcommand{\nexists}{\:\oldnexists\:}</code>	amssymb
Sets and inclusion	
Code	Package
<code>\newcommand{\std}{\, : \,}</code>	---
Derivatives	
Code	Package
<code>\newcommand{\dx}{\,\text{d}}</code>	amsmath
<code>\newcommand{\dr}{\text{d}}</code>	amsmath
<code>\newcommand{\der}[2]{\frac{\dr#1}{\dr#2}}</code> <code>\newcommand{\Der}[2]{\frac{\dr}{\dr#2}\#1}</code>	amsmath
<code>\newcommand{\ndr}[3]{\frac{\dr^{#1}\#2}{\dr^{3^{#1}}}}</code> <code>\newcommand{\Ndr}[3]{\frac{\dr^{#1}}{\dr^{3^{#1}}}\#2}</code>	amsmath
<code>\newcommand{\pdr}[2]{\frac{\partial#1}{\partial#2}}</code> <code>\newcommand{\Pdr}[2]{\frac{\partial}{\partial#2}\#1}</code>	
<code>\newcommand{\npd}[3]{\frac{\partial^{#1}\#2}{\partial^{3^{#1}}}}</code> <code>\newcommand{\Npd}[3]{\frac{\partial^{#1}}{\partial^{3^{#1}}}\#2}</code>	
<code>\newcommand{\evl}[1]{\mathrel{\bigg _{#1}}}</code>	amsmath