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	\documentclass{*document-class*}	doc	no	no	---
	\documentclass[*class-options*]{*document-class*}				
Use package	\usepackage{*package-name*}	pk	no	no	---
	\usepackage[*package-options*]{*package-name*}				
Title	\title{...}	tl	no	no	---
Author	\author{...}	aut	no	no	---
Date	\date{...}	dat	no	no	---
Today's date	\today	td	no	no	---
Document body	\begin{document} ... \end{document}	bd	no	no	---

Sectioning

Name	Command	Snippet	Autosnippet	Visual	Package
Section	\section{*title*}	scn	no	yes	---
	\section*{*title*}				
	\section[*toc-entry*]{*title*}				
Subsection	\subsection{*title*}	sbn	no	yes	---
	\subsection*{*title*}				
	\subsection[*toc-entry*]{*title*}				
Subsubsection	\subsubsection{*title*}	ssn	no	yes	---
	\subsubsection*{*title*}				
	\subsubsection[*toc-entry*]{*title*}				
Chapter	\chapter{*title*}	chr	no	yes	---
	\chapter*{*title*}				
	\chapter[*toc-entry*]{*title*}				
Part	\part{*title*}	prt	no	yes	---
	\part*{*title*}				
	\part[*toc-entry*]{*title*}				
Paragraph	\paragraph{*title*}	par	no	yes	---
	\paragraph*{*title*}				
	\paragraph[*toc-entry*]{*title*}				
Subparagraph	\subparagraph{*title*}	sbp	no	yes	---
	\subparagraph*{*title*}				
	\subparagraph[*toc-entry*]{*title*}				
Hyperref jump to correct page	\phantomsection	phs	no	no	hyperref
Add entry to list	\addcontentsline{*file*}{*sec-unit*}{*list-entry*}	add	no	no	---
Headers in twoside mode	\markboth{*left*}{*right*}	mkb	no	no	---
Maketitle	\maketitle	mkt	no	no	---
Table of contents	\tableofcontents	toc	no	no	---
List of tables	\listoftables	lot	no	no	---
List of figures	\listoffigures	lof	no	no	---
Makeindex	\makeindex	mki	no	no	makeidx
Print index	\printindex	pix	no	no	makeidx
PDF bookmark	\texorpdfstring{*tex*}{*bookmark*}	pdf	no	yes	hyperref

Cross-references

Labels

Name	Command	Snippet	Autosnippet	Visual	Package
Generic label	\label{*key*}	lge	no	no	---
Label section	\label{sec:*key*}	lsn	no	no	---
Label subsection	\label{sub:*key*}	lsb	no	no	---
Label subsubsection	\label{ssub:*key*}	lss	no	no	---
Label chapter	\label{ch:*key*}	lch	no	no	---
Label paragraph	\label{par:*key*}	lpa	no	no	---
Label subparagraph	\label{subpar:*key*}	lsp	no	no	---
Label equation	\label{eq:*key*}	lbe	no	no	---
Label theorem	\label{thm:*key*}	lbt	no	no	---
Label proposition	\label{prop:*key*}	lps	no	no	---
Label lemma	\label{lem:*key*}	lle	no	no	---
Label corollary	\label{cor:*key*}	lco	no	no	---
Label definition	\label{def:*key*}	lde	no	no	---

Label remark	\label{rem:*key*}	lre	no	no	---
Label exercise	\label{ex:*key*}	lex	no	no	---
Label example	\label{eg:*key*}	leg	no	no	---
Label principle	\label{princ:*key*}	lpn	no	no	---
Label item	\label{it:*key*}	lbi	no	no	---
Label figure	\label{fig:*key*}	lfg	no	no	---
Label table	\label{tbl:*key*}	lta	no	no	---
Reference commands					
Name	Command	Snippet	Autosnippet	Visual	Package
Generic reference	\ref{*key*}	rge	no	no	---
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*=	vrb	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*}	mrg	no	yes	---
New page	\newpage	npg	no	no	---
Columns					

Name	Command	Snippet	Autosnippet	Visual	Package
Multiple columns	\begin{multicols}{*columns*} ... \end{multicols}	mul	no	no	multicol
	\begin{multicols}{*columns*}[*preface*] ... \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}				
Proof environment	\begin{proof} ... \end{proof}	pf	no	no	amsthm
	\begin{proof}[*name*] ... \end{proof}				
New proposition	\begin{proposition} ... \end{proposition}	ps	no	yes	amsthm*
	\begin{proposition}[*name*] ... \end{proposition}				
New corollary	\begin{corollary} ... \end{corollary}	cc	no	yes	amsthm*
	\begin{corollary}[*name*] ... \end{corollary}				
New lemma	\begin{lemma} ... \end{lemma}	ll	no	yes	amsthm*
	\begin{lemma}[*name*]				

	... \end{lemma}				
New definition	\begin{definition} ... \end{definition}	dd	no	yes	amsthm*
	\begin{definition}[*name*] ... \end{definition}				
New remark	\begin{remark} ... \end{remark}	re	no	yes	amsthm*
	\begin{remark}[*name*] ... \end{remark}				
New exercise	\begin{exercise} ... \end{exercise}	ex	no	yes	amsthm*
	\begin{exercise}[*name*] ... \end{exercise}				
New example	\begin{example} ... \end{example}	ee	no	yes	amsthm*
	\begin{example}[*name*] ... \end{example}				
New principle	\begin{principle} ... \end{principle}	pn	no	yes	amsthm*
	\begin{principle}[*name*] ... \end{principle}				

floats.lua

Tabular material

Name	Command	Snippet	Autosnippet	Visual	Package
Table environment	\begin{table}[*opt*] \begin{tabular}{*cols*} ... \end{tabular} \end{table}	tab	no	no	---
Array environment	\begin{array}{*cols*} ... \end{array}	rr	no	no	array
Break line height	\\[...] ...	he	no	no	---
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	---
Horizontal line	\hline ...	hn	no	no	---
Tabular row break	\\ ...	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	\caption{*text*}	cpt	no	no	---
	\caption[*list-entry*]{*text*}				
	\captionof{*type*}{*text*}				

Caption of	\captionof{*type*}[*list-entry*]{*text*}	cof	no	no	caption
	\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	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	---
Typerwriter 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	---
New equation	\begin{equation} ... \end{equation}	nn	no	yes	---
	\begin{equation*} ... \end{equation*}				amsmath
New multline	\begin{multline} ... \end{multline}	ml	no	yes	amsmath
	\begin{multline*} ... \end{multline*}				
Multline gap	\setlenght\multlinegap{0pt}	gap	no	no	amsmath
New split	\begin{split} ... \end{split}	sp	no	yes	amsmath
New gather	\begin{gather} ... \end{gather}	gg	no	yes	amsmath
	\begin{gather*} ... \end{gather*}				
New align	\begin{align*} ... \end{align*}	aa	no	yes	amsmath
	\begin{align} ... \end{align}				
New flalign	\begin{flalign} ... \end{flalign}	fal	no	yes	amsmath
	\begin{flalign*} ... \end{flalign*}				
New cases environment	\begin{cases} ... \end{cases}	[*case-num*]cs	yes	no	amsmath
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} ... \end{|*p*|*b*|*B*|*v*|*V*|matrix}	{|*p*|*b*|*B*|*v*|*V*|}{*rows*}x{*cols*}	yes	no	amsmath
New homogeneus matrix	\begin{|*p*|*b*|*B*|*v*|*V*|matrix} ... \end{|*p*|*b*|*B*|*v*|*V*|matrix}	{|*p*|*b*|*B*|*v*|*V*|}{*rows*}h{*cols*}	yes	no	amsmath
New generic matrix	\begin{|*p*|*b*|*B*|*v*|*V*|matrix} ... \end{|*p*|*b*|*B*|*v*|*V*|matrix}	{|*p*|*b*|*B*|*v*|*V*|}gn	yes	no	amsmath

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`*`}`	lxr	yes	no	amsmath
	`\xrightarrow[`*`bottom`*`]{`*`top`*`}`				

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	`\ne`	ne	yes	no	---
Relation negation	`\not`	nr	yes	no	---
Approx	`\approx`	app	yes	no	---
Congruent	`\cong`	cn	yes	no	---
	`\ncong`				amssymb
Less or equal	`\le`	le	yes	no	---
Greater or equal	`\ge`	ge	yes	no	---
Precedes	`\prec`	pc	yes	no	---
	`\nprec`				amssymb
Succedes	`\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[\leftroot{`*`x`*`}\uproot{`*`y`*`} n-`*`th`*`]{...}`				amsmath

Imaginary part	\Im	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	\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	*fun* : *dom* \longrightarrow *cod*	fn	yes	no	——
Function definition	\begin{align*} *fun* : *dom* & \longrightarrow *cod* \\ *point* & \longmapsto *img* \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\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	\epsilon	.e	yes	no	---
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	\hslash	hl	yes	no	amssymb
Partial	\partial	pt	yes	no	---

Miscellaneous symbols

Name	Command	Snippet	Autosnippet	Visual	Package
Dollar sign	\$	dl	yes	no	---
Numeral	\#	hh	yes	no	---
Infinity	\infty	fy	yes	no	---
Prime	\prime	pr	yes	no	---
Percentage	\%	per	yes	no	---
Ampersand	\&	amp	yes	no	---
Angle	\angle	ang	yes	no	---
Nabla	\nabla	nb	yes	no	---
Section symbol	\S	ch	yes	no	---

Accents

Name	Command	Snippet	Autosnippet	Visual	Package
Dot accent	\dot{...}	dr	yes	yes	---
	\ddot{...}				---
	\dddot{...}				amsmath
	\ddddot{...}				amsmath
Hat	\hat{...}	ht	yes	yes	---
	\widehat{...}				
Math ring	\mathring{...}	rng	yes	yes	---
Tilde	\tilde{...}	til	yes	yes	---
	\widetilde{...}				
Vector	\vv{...}	vv	yes	no	esvect
	\vec{...}				---

Logic

Name	Command	Snippet	Autosnippet	Visual	Package

For all	\forall	fa	yes	no	*
Exists	\exists	ex	yes	no	*
Not exist	\nexists	nx	yes	no	amssymb*
Logic negation	\lnot	lt	yes	no	---
Logic and	\land	lan	yes	no	---
Logic or	\lor	lor	yes	no	---
Implies	\implies	ip	yes	no	amsmath
Implied by	\impliedby	ib	yes	no	amsmath
If and only if	\iff	iff	yes	no	amsmath
Sets and inclusion					
Name	Command	Snippet	Autosnippet	Visual	Package
Belongs to	\in	in	yes	no	---
Not in	\notin	ntn	yes	no	---
Owns	\ni	na	yes	no	---
Empty set	\emptyset	vc	yes	no	---
	\varnothing				amssymb
Union	\cup	nun	yes	no	---
Big union	\bigcup	bun	yes	no	---
Big subscript union	\bigcup_{...}	sun	yes	no	---
Big definite union	\bigcup_{...}^{...}	dun	yes	no	---
Intersection	\cap	nit	yes	no	---
Big intersection	\bigcap	bit	yes	no	---
Big subscript intersection	\bigcap_{...}	sit	yes	no	---
Big definite intersection	\bigcap_{...}^{...}	dit	yes	no	---
Set difference	\setminus	sf	yes	no	---
Subset	\subset	sbs	yes	no	---
Subset or equals	\subseteq	sbq	yes	no	---
	\nsubseteq				amssymb
Contains	\supset	sus	yes	no	---
Contains or equals	\supseteq	suq	yes	no	---
	\nsupseteq				amssymb
Dots set	\{ ... \std ... \}	setd	yes	no	*
Bar set	\{ ... \mid ... \}	setb	yes	no	
Arrows					
Name	Command	Snippet	Autosnippet	Visual	Package
Long right arrow	\longrightarrow	rar	yes	no	---
Long left arrow	\longleftarrow	lar	yes	no	---
Long maps to	\longmapsto	to	yes	no	---
Sums					
Name	Command	Snippet	Autosnippet	Visual	Package
Subscript sum	\sum_{...}	sm	yes	no	---
Definite sum	\sum_{...}^{...}	ss	yes	no	---
Subscript o-sum	\bigoplus_{...}	sos	yes	no	---
Definite o-sum	\bigoplus_{...}^{...}	nos	yes	no	---
Products					
Name	Command	Snippet	Autosnippet	Visual	Package
Subscript product	\prod_{...}	sp	yes	no	---
Definite product	\prod_{...}^{...}	pp	yes	no	---
Subscript o-times	\bigotimes_{...}	sop	yes	no	---
Definite o-times	\bigotimes_{...}^{...}	nop	yes	no	---
Derivatives					
Name	Command	Snippet	Autosnippet	Visual	Package
Differential	\dx	df	yes	no	amsmath*
Derivative	\der{*func*}{*var*}	der	yes	no	amsmath*
	\Der{*func*}{*var*}				
n-th derivative	\ndr{*n*}{*func*}{*var*}	ndr	yes	no	amsmath*
	\Ndr{*n*}{*func*}{*var*}				
partial derivative	\pdr{*func*}{*var*}	pdr	yes	no	*
	\Pdr{*func*}{*var*}				
n-th partial derivative	\npd{*n*}{*func*}{*var*}	npd	yes	no	*
	\Npd{*n*}{*func*}{*var*}				
Derivative evaluation	\evl{...}	evl	yes	no	amsmath*
Integrals					
Name	Command	Snippet	Autosnippet	Visual	Package
Integral	\int	itn	yes	no	---
	\oint				
Subscript integral	\int_{...}	its	yes	no	---

Subscript integral	\oint_{...}	its	yes	no	---
Definite integral	\int_{...}^{...}	itd	yes	no	---
Double integral	\iint	itbn	yes	no	amsmath
	\oiint				esint
Double integral subscript	\iint_{...}	itbs	yes	no	amsmath
	\oiint_{...}				esint
Triple integral	\iiint	ittn	yes	no	amsmath
	\oiiint				txfonts
Triple integral subscript	\iiint_{...}	itts	yes	no	amsmath
	\oiiint_{...}				txfonts
Quadruple integral	\iiiint	itqn	yes	no	amsmath
Quadruple integral subscript	\iiiint_{...}	itqs	yes	no	amsmath
Multiple integral	\idotsint	itmn	yes	no	amsmath
Multiple integral subscript	\idotsint_{...}	itms	yes	no	amsmath

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Bibliography and citations

Citations

Name	Command	Snippet	Autosnippet	Visual	Package
Citation style	\citestyle{...}	cst	no	no	amsmath
Citation	\cite{*key-list*}	ct	no	no	---
	\cite[*text*]{*key-list*}				
Full citation	\fullcite{*key-list*}	cf	no	no	jurabib
	\fullcite[*post-note*]{*key-list*}				
	\fullcite[*annotator*][*post-note*]{*key-list*}				
Cite not cited	\nocite{*key-list*}	ctn	no	no	---
	\nocite{*}				
Textual citation	\citet{*key-list*}	tc	no	no	natbib
	\citet[*post-note*]{*key-list*}				
	\citet[*pre-note*][*post-note*]{*key-list*}				
	\citet*{*key-list*}				
	\citet*[*post-note*]{*key-list*}				
	\citet*[*pre-note*][*post-note*]{*key-list*}				
No parentheses textual citation	\citealt{*key-list*}	tnc	no	no	natbib
	\citealt[*post-note*]{*key-list*}				
	\citealt[*pre-note*][*post-note*]{*key-list*}				
	\citealt*{*key-list*}				
	\citealt*[*post-note*]{*key-list*}				
	\citealt*[*pre-note*][*post-note*]{*key-list*}				
Parenthetical citation	\citep{*key-list*}	tpc	no	no	natbib
	\citep[*post-note*]{*key-list*}				
	\citep[*pre-note*][*post-note*]{*key-list*}				
	\citep*{*key-list*}				
	\citep*[*post-note*]{*key-list*}				
	\citep*[*pre-note*][*post-note*]{*key-list*}				
Author citation	\citeauthor{*key-list*}	auc	no	no	natbib
	\citeauthor*{*key-list*}				
Year citation	\citeyear{*key-list*}	yec	no	no	natbib
	\citeyearpar{*key-list*}				

Bibliography

Name	Command	Snippet	Autosnippet	Visual	Package
Bibliography files	\bibliography{*file-list*}	bib	no	no	---
Bibliography style	\bibliographystyle{*style*}	bisty	no	no	---

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BibTeX entry types

Name	Command	Snippet	Autosnippet	Visual	Package
BibTeX abbreviation	@string{*key = "text to abbreviate"*}	abv	no	no	---
article	@article{*key-identifier*, author = "*author*", title = "*title*", journal = "*journal*", year = "*year*", volume = "*volume*", number = "*number*", pages = "*pages*", month = "*month*", note = "*note*" }	art	no	no	---

book	@book{*key-identifier*, author = “*author*”, editor = “*editor*”, title = “*title*”, publisher = “*publisher*”, year = “*year*”, volume = “*volume*”, number = “*number*”, series = “*pages*”, address = “*address*”, edition = “*edition*”, month = “*month*”, note = “*note*” }	bks	no	no	---
booklet	@booklet{*key-identifier*, title = “*title*”, author = “*author*”, howpublished = “*howpublished*”, address = “*address*”, month = “*month*”, year = “*year*”, note = “*note*” }	bkl	no	no	---
inbook	@inbook{*key-identifier*, author = “*author*”, editor = “*editor*”, title = “*title*”, chapter = “*chapter*”, pages = “*pages*”, publisher = “*publisher*”, year = “*year*”, volume = “*volume*”, number = “*number*”, series = “*pages*”, type = “*type*”, address = “*address*”, edition = “*edition*”, month = “*month*”, note = “*note*” }	ibk	no	no	---
incollection	@incollection{*key-identifier*, author = “*author*”, title = “*title*”, booktitle = “*booktitle*”, publisher = “*publisher*”, year = “*year*”, editor = “*editor*”, volume = “*volume*”, number = “*number*”, series = “*pages*”, type = “*type*”, chapter = “*chapter*”, pages = “*pages*”, address = “*address*”, edition = “*edition*”, month = “*month*”, note = “*note*” }	inc	no	no	---
inproceedings	@inproceedings{*key-identifier*, author = “*author*”, title = “*title*”, booktitle = “*booktitle*”, year = “*year*”, editor = “*editor*”, volume = “*volume*”, number = “*number*”, series = “*pages*”,	inp	no	no	---

	pages = “*pages*”, address = “*address*”, month = “*month*”, organization = “*organization*”, edition = “*edition*”, publisher = “*publisher*”, note = “*note*” }				
manual	@manual{*key-identifier*, title = “*title*”, author = “*author*”, organization = “*organization*”, address = “*address*”, edition = “*edition*”, month = “*month*”, year = “*year*”, note = “*note*” }	man	no	no	---
masterthesis	@masterthesis{*key-identifier*, author = “*author*”, title = “*title*”, school = “*school*”, year = “*year*”, type = “*type*”, address = “*address*”, month = “*month*”, note = “*note*” }	mst	no	no	---
misc	@misc{*key-identifier*, author = “*author*”, title = “*title*”, howpublished = “*howpublished*”, month = “*month*”, year = “*year*”, note = “*note*” }	mis	no	no	---
phdthesis	@phdthesis{*key-identifier*, author = “*author*”, title = “*title*”, school = “*school*”, year = “*year*”, type = “*type*”, address = “*address*”, month = “*month*”, note = “*note*” }	phd	no	no	---
proceedings	@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*” }	pcd	no	no	---
techreport	@techreport{*key-identifier*, author = “*author*”, title = “*title*”, institution = “*institution*”, year = “*year*”, type = “*type*”, number = “*number*”, address = “*address*”,	tec	no	no	---

	month = “*month*”, note = “*note*” }				
unpublished	@unpublished{*key-identifier*, author = “*author*”, title = “*title*”, note = “*note*”, month = “*month*”, year = “*year*” }	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}{arcsech}	amsmath
\DeclareMathOperator{\arcscsch}{arccsch}	
Logic	
Code	Package
\let\oldforall\forall \renewcommand{\forall}{\:\oldforall\,}	---
\let\oldexists\exists \renewcommand{\exists}{\:\oldexists\:}	---
\let\oldnexists\nexists \renewcommand{\nexists}{\:\oldnexists\:}	amssymb
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}} \newcommand{\Der}[2]{\frac{\dr}{\dr#2}#1}	amsmath
\newcommand{\ndr}[3]{\frac{\dr^{#1}#2}{\dr#3^{#1}}} \newcommand{\Ndr}[3]{\frac{\dr^{#1}}{\dr#3^{#1}}#2}	amsmath
\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