| LaTeX Snippets. | See Goosens, M., Mittelbach, F. The LaTeX Companion. 2 of | ed. for a detai | led explanation | of each comma | ind |
|--------------------------------------|---|-----------------|-----------------|---------------|----------|
| | structure.lua Document preamble | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| | \documentclass{document-class} | | | | |
| Document class | \documentclass[class-options]{document-class} | doc | no | no | |
| llea nackaga | \usepackage{package-name} | pk | no | no | |
| Use package | \usepackage[package-options]{package-name} | рĸ | 110 | 110 | |
| Title | | tl | no | no | |
| Author | | aut | no | no | |
| Date | | dat | no | no | |
| | \begin{document} | | | | |
| Section | | bd | no | no | |
| 360 (1011 | | bu | 110 | 110 | |
| | \end{document} | | | | |
| | Sectioning | | | <u> </u> | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| | \section{title} | | | | |
| Section | \section*{title} | scn | no | yes | |
| | \section[toc-entry]{title} | | | | |
| L | \subsection{title} | _ | | | |
| Subsection | \subsection*{title} | sbn | no | yes | |
| | \subsection[toc-entry]{title} | | | | |
| Cubauhaaakian | \subsubsection{title} | | | | |
| Subsubsection | \subsubsection*{title} | ssn | no | yes | |
| | \subsubsection[toc-entry]{title} \chapter{title} | | | | |
| Chapter | \chapter*{title} | chr | no | yes | |
| onap voi | \chapter[toc-entry]{title} | - | 5 | ,,,, | |
| | \part{title} | | | | |
| Part | \part*{title} | prt | no | yes | |
| | \part[toc-entry]{title} | | | | |
| | \paragraph{title} | | | | |
| Paragraph | \paragraph*{title} | par | no | yes | |
| | \paragraph[toc-entry]{title} | | | | |
| | \subparagraph{title} | | | | |
| Subparagraph | \subparagraph*{title} | sbp | no | yes | |
| | \subparagraph[toc-entry]{title} | | | | |
| hyperref jump to correct page | \phantomsection | phs | no | no | |
| Add entry to list Twoside headers | \addcontentsline{file}{sec-unit}{list-entry} | add | no | no | |
| Maketitle | \markboth{left}{right} \maketitle | mkt | no | no no | |
| Table of contents | \tableofcontents | mkb | 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 |
| Lecture section | \seclecture{title}{date} | lec | no | yes | * |
| Lecture subsection | \sublecture{title}{date} | les | no | yes | * |
| Insert system date | %a %d %b %y | date | no | no | |
| Marginpar timestamp | \marginpar{\footnotesize\textsf{date}} | tim | no | no | |
| | Cross-references | | | | |
| Name | Labels 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 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{eq: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 | | | <u> </u> | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| | \ref{key} | | | | |
| Generic reference | \cref{key} | rge | no | no | cleveref |
| | \Cref{key} | | | | cleveref |
| \ref{sec:key} | | | | | |
| Reference section | \cref{sec:key} | rsn no | no | no | cleveref |
| | \Cref{sec:key} | | | | cleveref |
| | \ref{sub:key} | | | | |
| Reference subsection | \cref{sub:key} | rsb | no | no | cleveref |
| | \Cref{sub:key} | | | | cleveref |
| | \ref{ssub:key} | | | | |
| Reference subsubsection | \cref{ssub:key} | rss | no | no | cleveref |
| | \Cref{ssub:key} | | | | cleveref |
| | \ref{ch:key} | | | | |
| Reference chapter | \cref{ch:key} | rch | no | no | cleveref |
| | \Cref{ch:key} | | | | cleveref |
| | \ref{par:key} | | | | |
| Reference paragraph | \cref{par:key} | rpa | no | no | cleveref |
| | \Cref{par:key} | | | | cleveref |
| | \ref{subpar:key} | | | | |
| Reference subparagraph | \cref{subpar:key} | rsp | no | no | cleveref |
| | \Cref{subpar:key} | | | | cleveref |
| | \eqref{eq:key} | | | | |
| Reference equation | \cref{eq:key} | rfe | no | no | cleveref |
| | \Cref{eq:key} | | | | cleveref |
| | \ref{thm:key} | | | | |
| Reference theorem | \cref{thm:key} | rft | no | no | cleveref |
| | \Cref{thm:key} | | | | cleveref |
| L | \ref{prop:key} | | | | |
| Reference proposition | \cref{prop:key} | rps | no | no | cleveref |
| | \Cref{prop:key} | | | | cleveref |
| | \ref{lem:key} | _ | | | |
| Reference lemma | \cref{lem:key} | rle | no | no | cleveref |
| | \Cref{lem:key} | | | | cleveref |
| D. C | \ref{cor:key} | | | | |
| Reference corollary | \cref{cor:key} | rco | no | no | cleveref |
| | \Cref{cor:key} | | | | cleveref |
| D. C d. Ci i ki | \ref{def:key} | | | | |
| Reference definition | \cref{def:key} | rde | no | no | cleveref |
| | \Cref{def:key} | | | | cleveref |
| Defenses nemeric | \ref{rem:key} | | | | cleveref |
| Reference remark | \cref{rem:key} | rre | no | no | |
| | \Cref{rem:key} | | | | cleveref |
| | \\ ma.F. [m. v. | | | | |
| Pofononoo oversioo | \ref{ex:key} | | | no | |
| Reference exercise | \cref{ex:key} | rex | no | no | cleveref |
| Reference exercise | \cref{ex:key} \Cref{ex:key} | rex | no | no | cleveref |
| | \cref{ex:key} \Cref{ex:key} \ref{eg:key} | | | | cleveref |
| Reference exercise Reference example | \cref{ex:key} \Cref{ex:key} \ref{eg:key} \cref{eg:key} | rex | no | no | cleveref cleveref |
| | \cref{ex:key} \Cref{ex:key} \ref{eg:key} \cref{eg:key} \Cref{eg:key} | | | | cleveref cleveref cleveref |
| Reference example | \cref{ex:key} \Cref{ex:key} \ref{eg:key} \cref{eg:key} \Cref{eg:key} \Cref{eg:key} | reg | no | no | cleveref cleveref cleveref |
| | \cref{ex:key} \Cref{ex:key} \ref{eg:key} \cref{eg:key} \Cref{eg:key} \Cref{princ:key} | | | | cleveref cleveref cleveref cleveref |
| Reference example | \cref{ex:key} \Cref{eg:key} \ref{eg:key} \cref{eg:key} \Cref{eg:key} \Cref{princ:key} \cref{princ:key} | reg | no | no | cleveref cleveref cleveref cleveref cleveref |
| Reference example Reference principle | \cref{ex:key} \Cref{ex:key} \ref{eg:key} \cref{eg:key} \Cref{eg:key} \Cref{princ:key} \cref{princ:key} \cref{princ:key} \cref{princ:key} | reg | no | no | cleveref cleveref cleveref cleveref cleveref |
| Reference example | \cref{ex:key} \Cref{eg:key} \ref{eg:key} \cref{eg:key} \Cref{eg:key} \Cref{princ:key} \cref{princ:key} | reg | no | no | cleveref cleveref cleveref cleveref cleveref |

| Reference figure | \cref{fig:key} | rfg | no | no | cleveref |
|------------------------|--|-------------|--------------|--------|----------|
| · · | \Cref{fig:key} | | | | cleveref |
| | \ref{tbl:key} | | | | |
| Reference table | \cref{tbl:key} | rta | no | no | cleveref |
| tererende dabie | \Cref{tbl:key} | | 110 | 110 | cleveref |
| | Page reference commands | | | | CLEVETE |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Generic page reference | \pageref{key} | | no | no | |
| Page of section | \pageref{sec:key} | pge | | | |
| Page of subsection | \pageref{set.key} | psn | no | no | |
| | | 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} | рсо | 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 | |
| ago or vasto | formatting.lua | pea | | | |
| | Formatting | | | | |
| | Text and pages | | | | |
| Name | Command | Cninnot | Autocninnot | Visual | Package |
| | \url{url} | Snippet | Autosnippet | | <u> </u> |
| URLs | | url | no | yes | url |
| Cancel stroke | \cancel{text} | ca | no | yes | cancel |
| Short verbatim | \verb=text= | vrb | no | yes | |
| Enlarged letter | \lettrine{initial}{text} \lettrine[val-list]{initial}{text} | ltr | no | yes | lettrin |
| Phantom text | | pht | no | yes | |
| | | | | | |
| Footnote | \footnote{text} | foo | no | yes | |
| Marginal note | \marginpar{text} | mrg | no | yes | |
| New page | \newpage | npg | no | no | |
| Paragraph break | \bigskip | рр | no | no | |
| J | | PP | | | |
| | | | | | + |
| Frame box | | fbo | no | yes | |
| | , | 100 | 110 | yes | |
| | \fcolorbox{border-color}{bg-color}{ | | | | + |
| Colon frame hav | - | £ | | | Va=1 |
| Color frame box | | fco | no | yes | xcolor |
| |), | | | | |
| | \begin{center} | | | | |
| Centered environment | | cen | no | yes | |
| | \end{center} | | | | |
| | \begin{minipage}{\linewidth-3\fboxsep-3\fboxrule} | | | | |
| Minipage environment | | min | no | yes | xcolor |
| | \end{minipage} | | | | |
| | Columns | | - | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| | \begin{multicols}{columns} | | | | T |
| | | | | | |
| | \end{multicols} | | | | |
| | | | | | |
| | \heain{multicols}{columns}{nreface} | | | | |
| Multinle columns | \begin{multicols}{columns}[preface] | mT | no | no | multico |
| Multiple columns | | mul | no | no | multico |
| Multiple columns | | mul | no | no | multico |

| | \end{multicols} List structures | | | | <u> </u> | |
|---------------------------------|--|---------|-------------|--------|--------------|--|
| | Ordered lists | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package | |
| | ,ref=\the<>.\textnormal{\arabic*} | | | | | |
| Th | <pre>,ref=\the<>.\textnormal{\Roman*}</pre> | | | | | |
| Item reference format | ,ref=\the<>.\textnormal{\roman*} | rff | no | no | | |
| | <pre>,ref=\the<>.\textnormal{\alph*} ,ref=\the<>.\textnormal{\alph*}</pre> | - | | | | |
| | \begin{itemize} | | | | | |
| Unnumbered list | \item | tz | no | no | | |
| 511114111501 54 1100 | \end{itemize} | | | 0 | | |
| | \begin{enumerate}[label=\textnormal{(\arabic*)}] | | | | | |
| Enumerated list | \item | enn | no | no | enumitem | |
| | \end{enumerate} | | | | | |
| Canital roman enumerated list | \begin{enumerate}[label=\textnormal{(\Roman*)}] | | | | | |
| Capital roman enumerated list | \item | enI | no | no | enumitem | |
| ipital roman enumerated list | \end{enumerate} | | | | | |
| | \begin{enumerate}[label=\textnormal{(\roman*)}] | | | | | |
| Lowercase roman enumerated list | | eni | no | no | enumitem | |
| | \end{enumerate} \begin{enumerate}[label=\textnormal{(\Alph*)}] | | | | | |
| apital latin enumerated list | \item | enA | no | no | enumitem | |
| | \end{enumerate} | CIIA | 110 | 110 | enomitem | |
| | \begin{enumerate}[label=\textnormal{(\alph*)}] | | | | | |
| Lowercase latin enumerated list | | ena | no | no | enumitem | |
| | \end{enumerate} | | | | | |
| New item | \item | tm | no | no | | |
| | Theorem-like environments | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package | |
| | \begin{theorem} | | | | | |
| | | | | | | |
| New theorem | \end{theorem} | 00 | no | yes | amsthm | |
| | \begin{theorem}[name] | | | | | |
| | ··· \end{theorem} | | | | | |
| | \begin{proof} | | | | | |
| | | | | | | |
| D C | \end{proof} | | | | | |
| Proof environment | \begin{proof}[name] | pf | no | no | amsthm | |
| | | | | | | |
| | \end{proof} | | | | | |
| | \begin{proposition} | | | | | |
| | | | | | | |
| New proposition | \end{proposition} | ps | no | yes | amsthm | |
| | \begin{proposition}[name] | | | , | | |
| | | | | | | |
| | \end{proposition} \begin{corollary} | | | | | |
| | | | | | | |
| | \end{corollary} | | | | | |
| New corollary | \begin{corollary}[name] | сс | no | yes | amsthm | |
| | | | | | | |
| | \end{corollary} | | | | | |
| | \begin{lemma} | | | | | |
| | | | | | | |
| New lemma | \end{lemma} | u | no | yes | amsthm | |
| New Tellina | \begin{lemma}[name] | | 110 | yes | diii3 Ciliii | |
| | | | | | | |
| | 1) 157 3 | | | | | |
| | \end{lemma} | | | | | |
| | \begin{definition} | | | | | |
| | \begin{definition} | | | | | |
| New definition | \begin{definition} \end{definition} | - dd | no | yes | amsthm | |
| New definition | \begin{definition} \end{definition} \begin{definition} | - dd | no | yes | amsthm | |
| New definition | \begin{definition} \end{definition} | - dd | no | yes | amsthm | |

| | ··· | | | | |
|----------------------------|---|----------|-------------|---------|------------|
| New remark | \end{remark} | re | no | yes | amsthm |
| | \begin{remark}[name] | | | , | |
| | \end{remark} | | | | |
| | \begin{exercise} | | | | |
| | | | | | |
| | \end{exercise} | | | | |
| New exercise | \begin{exercise}[name] | ex | no | yes | amsthm |
| | | | | | |
| | \end{exercise} | | | | |
| | \begin{example} | | | | |
| | | | | | |
| New example | \end{example} | ee | no | yes | amsthm |
| New example | \begin{example}[name] | 66 | 110 | yes | diiistiiii |
| | | | | | |
| | \end{example} | | | | |
| | \begin{principle} | | | | |
| | | | | | |
| New principle | \end{principle} | pn | no | yes | amsthm |
| , , | \begin{principle}[name] | | | , | |
| | | | | | |
| | \end{principle} | | | | |
| | floats.lua | | | | |
| N | Tabular material | Codenat | Ataaadaaat | V#1 | Deelsee |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| | \begin{table}[opt] \begin{tabular}{cols} | | | | |
| Table environment | | +ob | | no | |
| Table environment | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | tab | no | no | |
| | \end{tabular} | | | | |
| | \end{table} | | | | |
| | \begin{array}{cols} | | | | |
| Array environment | | rr | no | no | array |
| | \end{array} | | | | |
| Hyphenate text correctly | \hspace{0pt} | hyp | no | no | |
| Redefine \\ | \arraybackslash | bck | no | no | |
| | \raggedleft | lt | no | no | |
| Text alignment | \centering | cr | no | no | |
| | \raggedright | rt | no | no | |
| Tabular row break | \\ | br | no | no | |
| Tabatar Ton Droak | | <u>.</u> | | | |
| Horizontal line | \hline | hn | no | no | |
| nor izontai iine | | 1111 | 110 | 110 | |
| | Tabular environment preamble opti | ons | | | |
| Name | Command | Snippet | Autosnippet | Visual | Packag |
| Top column | p{width} | рс | no | no | |
| num copies of opts | *{num}{opts} | сор | 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 |
| Truck octamin operan | Floats | 4. | 110 | 110 | uu, |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| | \caption{text} | | | . 10001 | |
| Caption | \caption[list-entry]{text} | cpt | no | no | |
| | \captionof{type}{text} | | | | |
| Caption of | \captionof(type)[list-entry]{text} | cof | no | no | caption |
| | \captionof*\{type\{text\} | - | " | 110 | Caption |
| | \subfloat{object} | | + | | |
| Subfloat | \subfloat[caption]{object} | sbf | no | no | subfig |
| oun i 100 t | \subfloat[caption]{object} \subfloat[list-entry][caption]{text} | Su i | 110 | 110 | SUBTIG |
| | | | | | |
| Cub numbono for total | \begin{subtables} | | | | |
| Sub-numbers for tables | | snt | no | no | subfloa |
| | \end{subtables} | | | | |
| | \begin{subfigures} | | | | |
| | | | | | |
| Sub-numbers for figures | <pre> \end{subfigures}</pre> | snf | no | no | subfloa |

| | Fonts | | | | | |
|---------------------------|---|-----------|-------------|--------|-------------|---|
| | Standard size-changing commands | | | | , | |
| Name | Command | Snippet | Autosnippet | Visual | Package | |
| Tiny font size | \tiny | tny | no | no | | |
| Scriptize font size | \scriptsize | scr | no | no | | |
| Footnote font size | \footnotesize | fot | no | no | | |
| Small font size | \small | sma | no | no | | |
| Normalsize font size | \normalsize | nor | no | no | | |
| | \large | | no | no | | |
| Large font size | \Large | lar | no | no | 1 | |
| 3 | \LARGE | | no | no | 1 | |
| | \huge | | no | no | | |
| Huge font size | \Huge | hug | no | no | | |
| | Standard font-changing commands and dec | lanations | 110 | 110 | | |
| Nome | | | Autominnet | Vieuel | Dookogo | |
| Name | Command | Snippet | Autosnippet | Visual | Package | |
| | \textrm{text} | | | yes | - | |
| Roman family | \begin{rmfamily}\end{rmfamily} | rm | no | yes | | |
| | \rmfamily | | | no | | |
| | \textsf{text} | | | yes | | |
| Sans serif family | \begin{sffamily}\end{sffamily} | sf | no | yes | 1 | |
| · | \sffamily | | | no | 1 | |
| | \texttt{text} | | 1 | yes | | |
| Typewriter family | \begin{ttfamily}\end{ttfamily} | tt | no | yes | 1 | |
| Typewriter ramity | | - | 110 | 110 | - | 1 |
| | \ttfamily | | | no | | |
| | \textbf{text} | | | yes | 4 | |
| Bold series | \begin{bfseries}\end{bfseries} | bf | no | yes | | |
| | \bfseries | | | no | | |
| | \textit{text} | | | yes | | |
| Italic shape | \begin{itshape}\end{itshape} | it | no | yes | | |
| | \itshape | | | no | 1 | |
| | \textsc{text} | | | yes | | |
| Small caps shape | \begin{scshape}\end{scshape} | sc | no | yes | | |
| Small caps shape | \scshape | - | 110 | • | 1 | |
| | | | | no | | |
| | \emph{text} | | | yes | - | |
| Emphasized text | \begin{em}\end{em} | em | no | yes | | |
| | \em | | | no | | |
| | \textnormal{text} | | | yes | | |
| Main font | \begin{normalfont}\end{normalfont} | tn | no | yes | 1 | |
| | \normalfont | | | no | 1 | |
| | math.lua | I. | | | | |
| | Math | | | | | |
| | | | | | | |
| Nome | Math alphabet identifiers | Cninnot | Autominnet | Vieuel | Dookogo | |
| Name | Command | Snippet | Autosnippet | Visual | Package | |
| Calligraphic math font | | mc | yes | yes | | |
| Roman math font | | mr | yes | yes | | |
| Bold math font | | mb | yes | yes | | |
| Sans serif math font | | ms | yes | yes | | |
| Typerwriter math font | | mt | yes | yes | | |
| Normal math font | | mn | yes | yes | | |
| Italic math font | | mi | yes | yes | | |
| Euler Fraktur math font | | mf | yes | yes | amsfonts | |
| Blackboard bold math font | | mk | - | - | | |
| Blackboard bold math font | | | yes | yes | amsfonts | |
| | Display environments and alignment str | | T | | T | |
| Name | Command | Snippet | Autosnippet | Visual | Package | |
| Inline display | \$\$ | mm | yes | yes | | |
| | \begin{env} | | | | | |
| Generic environment | | en | no | yes | | |
| | \end{env} | | | | | |
| | \begin{equation*} | | | | | |
| | | | | | | |
| | \end{equation*} | | | | | |
| New equation | | nn | no | yes | | |
| | \begin{equation} | | | | | |
| | | | | | amsmath | |
| | \end{equation} | | | | | |
| | • | | | | | |
| | \begin{multline} | | | | | |

| New multline | \end{multline} | | ml | no | yes | amsmath |
|---------------------------|---|-----------------------------|--|-------------|--------|----------|
| | \begin{multline*} | I | 1 | 1 | 1 | |
| | | I | 1 | 1 | | |
| | \end{multline*} | | | | | - |
| Multline gap | \setlenght\multlinegap{0pt} | | gap | no | no | amsmath |
| <u>-</u> _121 | \begin{split} | I | | | | -momoth |
| New split | \end{split} | I | sp | no | yes | amsmath |
| | \begin{gather} | | + | | | + |
| | | I | 1 | 1 | | |
| | \end{gather} | I | 1 | 1 | | |
| New gather | \begin{gather*} | | gg | no | yes | amsmath |
| | /pedilifaction* | I | 1 | 1 | | |
| | \end{gather*} | I | ļ | 1 | | |
| | \begin{align*} | | + | | | + |
| | ··· | I | 1 | 1 | | |
| | \end{align*} | I | 1 | 1 | | |
| New align | \begin{align} | | aa | no | yes | amsmath |
| | | I | Ţ | 1 | | |
| | \end{align} | I | | 1 | | |
| | \begin{flalign} | | | | | + |
| | ··· | I | | 1 | | |
| | \end{flalign} | I | | 1 | | |
| New flalign | \begin{flalign*} | | fal | no | yes | amsmath |
| | | I | | 1 | | |
| | \end{flalign*} | I | | 1 | | |
| | \begin{cases} | | † | | | + |
| New cases environment | | I | [case-num]cs | yes | no | amsmath |
| | \end{cases} | I | | i . | | |
| | \\ | | h | | - | |
| Display line break | | I | br | yes | no | |
| Short text between lines | \intertext{text} | | itr | yes | yes | amsmath |
| Text inside display | 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 | Comr | nmand | Snippet | Autosnippet | Visual | Package |
| Suppress equation tag | \notag | | ntg | yes | no | amsmath |
| Fation ton | \tag{tag} | | +20 | | V00 | -momoth |
| Equation tag | \tag*{tag} | | tag | yes | yes | amsmath |
| Last equation number | \theequation | | teq | no | no | |
| | | Matrix-like environments | | | | |
| Name | Command | Snippet | | Autosnippet | Visual | Package |
| | $\left \left b \right B \right V \right V \right $ | | | 1 | | Γ |
| New matrix | | { p b B v V }{rows}x{ | {cols} | yes | no | amsmath |
| | $\left(\left p \right b \right B \right v \left V \right $ matrix $\left(\left v \right \right v \right $ | | | | | |
| | $\left \left b \right B \right V \right V \right $ | | | 1 | | |
| New homogeneus matrix | | { p b B v V }{rows},{ | {cols} | yes | no | amsmath |
| | $\left\{ \left p \right b \right B \right v \left V \right \text{matrix} \right\}$ | | | | | |
| | $\left \left b \right B \right V \right V \right $ | | | 1 | | |
| New generic matrix | | { p b B v V }gn | ı | yes | no | amsmath |
| | $\left\{ \left p \right b \right B \right v \left V \right \text{matrix} \right\}$ | | | | | |
| | | Subscripts and superscripts | | | | |
| Name | Comr | nmand | Snippet | Autosnippet | Visual | Package |
| Short subscript | | | ; | yes | no | |
| Subscript | _{} | | : | yes | yes | |
| Short superscript | ^ | | • | yes | no | |
| Superscript | ^{} | | | yes | yes | |
| Subscript and superscript | _{}^{} | | 1 | yes | no | |
| | \substack{ \\} | | st | yes | yes | amsmath |
| Stacking | | Compound structures | | | | |
| Stacking | | | Snippet | Autosnippet | Visual | Package |
| Stacking Name | | nmand | Shippet | | | |
| Name | \xleftarrow{top} | mand | | VAS | no | amsmath |
| | \xleftarrow{top} \xleftarrow[bottom]{top} | nmand | - lxl | yes | no | amsmath |
| Name | \xleftarrow{top} | ımand | | yes yes | no | amsmath |

| | | | 1 | | |
|--|--|--|---|---|---|
| | \cfrac{num}{ | | | | |
| | den | | | | |
| Continued fraction | } | cf | yes | no | amsmath |
| CONCINGED IT DE CION | \cfrac[num-alignment]{num}{ | | yes | 110 | amama cri |
| | den | | | | |
| | } | | | | |
| Boxed formula | | bx | yes | yes | amsmath |
| | {} | | | | |
| Fraction | {} | ff | yes | no | amsmath |
| | {} | | | - | amsmath |
| | {} | | | | amsmath |
| Binomial coefficient | {} | bm | yes | no | amsmath |
| binomiai coefficient | {} | | yes | 110 | |
| | | | | | amsmath |
| | Decorations | | T | | T |
| 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 | |
| gp-: | Relations | | , , , , | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Congruence relation | | | | | |
| congruence relation | \equiv | eq | yes | no | |
| | \equiv | | | | |
| Modular relation | \not\equiv | mod | yes | no | |
| | \equiv | | , , , , | | amsmath |
| | \not\equiv | | | | amsmath |
| | \vartriangleleft | | | | |
| Left triangle | \ntriangleleft | sbg | yes | no | amssymb |
| | \vartriangleright | | | | |
| Right triangle | \ntriangleright | sgc | yes | no | amssymb |
| N. L | | | | | |
| Not equal | \ne | ne | yes | no | |
| Relation negation | \not | nr | yes | no | |
| Approx | \approx | арр | yes | no | |
| Congruent | \cong | cn | yes | no | |
| Congraent | \ncong | CII | yes | 110 | amssymb |
| Less or equal | \le | le | yes | no | |
| Greater or equal | \ge | ge | yes | no | |
| | \prec | | • | | |
| Precedes | \nprec | pc | yes | no | amssymb |
| | | | | | |
| Succedes | \succ | | | | |
| | , | sx | yes | no | |
| | \nsucc | sx | yes | no | amssymb |
| Relation | \nsucc | | | | |
| Relation | | sx | yes yes | no | amssymb |
| Relation | \sim | | | | amssymb |
| Relation Name | \sim | | | | amssymb |
| Name | \sim \nsim Operators | re Snippet | yes Autosnippet | no Visual | amssymb amssymb Package |
| Name | \sim \nsim Operators Command \DeclareMathOperator{cmd}{text} | re | yes | no | amssymb amssymb |
| Name Define new operator | \sim \nsim Operators Command \DeclareMathOperator{cmd}{text} \DeclareMathOperator*{cmd}{text} | re Snippet | yes Autosnippet | no Visual | amssymb amssymb Package |
| Name | \sim \nsim Operators Command \DeclareMathOperator{cmd}{text} \DeclareMathOperator*{cmd}{text} \lceil \rceil | re Snippet | yes Autosnippet | no Visual | amssymb amssymb Package |
| Name Define new operator | \sim \nsim Operators Command \DeclareMathOperator{cmd}{text} \DeclareMathOperator*{cmd}{text} \lceil \rceil \left\lceil \right\rceil | Snippet opr | yes Autosnippet | no Visual no | amssymb amssymb Package amsmath |
| Name Define new operator | \sim \nsim Operators Command \DeclareMathOperator\{cmd\}\{text\} \DeclareMathOperator*\{cmd\}\{text\} \\lceil \rceil \\lf\\ceil \right\rceil \\lf\\lcor \rf\\loor | Snippet opr | yes Autosnippet | no Visual no | amssymb amssymb Package amsmath |
| Name Define new operator Ceiling | \sim \nsim Operators Command \DeclareMathOperator\{cmd\}\{text\} \DeclareMathOperator*\{cmd\}\{text\} \\lceil \rceil \\left\\\lceil \right\\rceil \\\lf\\loor \\rf\\loor \\\lf\\\lf\\loor \\right\\\rf\\loor | Snippet opr ce | yes Autosnippet no no | no Visual no yes | amssymb amssymb Package amsmath |
| Name Define new operator Ceiling | \sim \nsim Command \DeclareMathOperator\{cmd\}\{text\} \DeclareMathOperator*\{cmd\}\{text\} \\lceil \rceil \\left\\\lceil \right\\rceil \\lfloor \rfloor \\lfl\lfloor \right\\rfloor \\sqrt\{\} | Snippet opr ce | yes Autosnippet no no | no Visual no yes | amssymb amssymb Package amsmath |
| Name Define new operator Ceiling | \sim \nsim Command \DeclareMathOperator\{cmd\}\{text\} \DeclareMathOperator*\{cmd\}\{text\} \\lceil \rceil \\left\\\lceil \\right\\rceil \\lfloor \\rfloor \\lfloor \\rfloor \\sqrt\{\} \\sqrt\{\} \\sqrt\{\} | Snippet opr ce | yes Autosnippet no no | no Visual no yes | amssymb amssymb Package amsmath |
| Name Define new operator Ceiling Floor | \sim \nsim Command \DeclareMathOperator\{cmd\}\{text\} \DeclareMathOperator*\{cmd\}\{text\} \\lceil \rceil \\left\\\lceil \right\\rceil \\lfloor \rfloor \\lfl\lfloor \right\\rfloor \\sqrt\{\} | Snippet opr ce fl | Autosnippet no no yes | no Visual no yes yes | amssymb amssymb Package amsmath |
| Name Define new operator Ceiling Floor | \sim \nsim Command \DeclareMathOperator\{cmd\}\{text\} \DeclareMathOperator*\{cmd\}\{text\} \\lceil \rceil \\left\\\lceil \\right\\rceil \\lfloor \\rfloor \\lfloor \\rfloor \\sqrt\{\} \\sqrt\{\} \\sqrt\{\} | Snippet opr ce fl | Autosnippet no no yes | no Visual no yes yes | amssymb amssymb Package amsmath |
| Name Define new operator Ceiling Floor Square root Imaginary part | \sim \nsim Operators Command \DeclareMathOperator\{cmd\}\{text\} \DeclareMathOperator*\{cmd\}\{text\} \\left\\ceil \rceil \\left\\left\\ceil \right\\rceil \\lfloor \rfloor \\left\\lfloor \right\\rfloor \\sqrt\{\} \\sqrt\[n-th]\{\} \\sqrt\[\left\\cot\{x\}\\upproot\{y\} n-th\]\{\} | Snippet opr ce fl | Autosnippet no no yes yes | no Visual no yes yes yes | amssymb amssymb Package amsmath amsmath |
| Name Define new operator Ceiling Floor Square root Imaginary part Real part | \sim \nsim Command \DeclareMathOperator\{cmd\}\{text\} \DeclareMathOperator*\{cmd\}\{text\} \\left\\ceil \reil \\left\\left\\ceil \right\reil \\lfloor \rfloor \\left\\lfloor \right\rfloor \\sqrt\{\} \\sqrt\[-th]\{\} \\sqrt\[\left\\cot\{x\}\\upproot\{y\} n-th\]\{\} \\Im | Snippet opr ce fl sq imp | yes Autosnippet no no yes yes yes yes | no Visual no yes yes yes no | amssymb amssymb Package amsmath amsmath |
| Name Define new operator Ceiling Floor Square root Imaginary part Real part Mod operator | \sim \nsim Command \DeclareMathOperator{cmd}{text} \DeclareMathOperator*{cmd}{text} \left\\ceil \reil \left\\left\\ceil \right\\reil \lfloor \rfloor \left\\floor \rfloor \left\\floor \right\\rfloor \sqrt[n-th]{} \sqrt[\leftroot{x}\uproot{y} n-th]{} \Im \Re \bmod | Snippet opr ce fl sq imp rpa opm | yes Autosnippet no no yes yes yes yes yes yes | no Visual no yes yes yes no no no | amssymb amssymb Package amsmath amsmath |
| Name Define new operator Ceiling Floor Square root Imaginary part Real part Mod operator Minus plus | \sim \nsim Command \DeclareMathOperator{cmd}{text} \DeclareMathOperator*{cmd}{text} \\left\\ceil \reil \\left\\left\\ceil \right\\reil \\lfloor \rfloor \\left\\floor \right\\rfloor \\sqrt[n-th]{} \\sqrt[\leftroot{x}\uproot{y} n-th]{} \\Im \\Re \bmod \\mp | snippet opr ce fl sq imp rpa opm mp | yes Autosnippet no no yes yes yes yes yes yes yes ye | no Visual no yes yes yes no no no | amssymb amssymb Package amsmath amsmath amsmath |
| Name Define new operator Ceiling Floor Square root Imaginary part Real part Mod operator Minus plus Plus minus | \sim \nsim Command \DeclareMathOperator{cmd}{text} \DeclareMathOperator*{cmd}{text} \\left\\ceil \reil \\left\\left\\ceil \right\\reil \\lfloor \rfloor \\left\\floor \right\\rfloor \\sqrt[n-th]{} \\sqrt[\leftroot{x}\uproot{y} n-th]{} \\Im \\Re \bmod \\mp \\pm | snippet opr ce fl sq imp rpa opm mp pm | yes Autosnippet no no yes yes yes yes yes yes yes ye | no Visual no yes yes yes no no no no | amssymb amssymb Package amsmath amsmath |
| Name Define new operator Ceiling Floor Square root Imaginary part Real part Mod operator Minus plus Plus minus Times | \sim \nsim Command \DeclareMathOperator{cmd}{text} \DeclareMathOperator*{cmd}{text} \\left\\ceil \reil \\left\\left\\ceil \right\\reil \\lfloor \rfloor \\left\\floor \right\\rfloor \ \\sqrt[n-th]{} \\Im \\Re \bmod \\mp \\pm \\times | re Snippet opr ce fl sq imp rpa opm mp pm tm | yes Autosnippet no no yes yes yes yes yes yes yes ye | no Visual no yes yes no no no no no no no | amssymb amssymb Package amsmath amsmath |
| Name Define new operator Ceiling Floor Square root Imaginary part Real part Mod operator Minus plus Plus minus Times Centered dot | \sim \nsim Command \DeclareMathOperator{cmd}{text} \DeclareMathOperator*{cmd}{text} \\left\\ceil \reil \\left\\left\\ceil \right\\reil \\lfloor \rfloor \\left\\floor \right\\rfloor \\sqrt[n-th]{} \\sqrt[\leftroot{x}\uproot{y} n-th]{} \\Im \\Re \bmod \\mp \\pm | snippet opr ce fl sq imp rpa opm mp pm | yes Autosnippet no no yes yes yes yes yes yes yes ye | no Visual no yes yes yes no no no no | amssymb amssymb Package amsmath amsmath |
| Name Define new operator Ceiling Floor Square root Imaginary part Real part Mod operator Minus plus Plus minus Times | \sim \nsim Command \DeclareMathOperator{cmd}{text} \DeclareMathOperator*{cmd}{text} \\left\\ceil \reil \\left\\left\\ceil \right\\reil \\lfloor \rfloor \\left\\floor \right\\rfloor \ \\sqrt[n-th]{} \\Im \\Re \bmod \\mp \\pm \\times | re Snippet opr ce fl sq imp rpa opm mp pm tm | yes Autosnippet no no yes yes yes yes yes yes yes ye | no Visual no yes yes no no no no no no no | amssymb amssymb Package amsmath amsmath amsmath |
| Name Define new operator Ceiling Floor Square root Imaginary part Real part Mod operator Minus plus Plus minus Times Centered dot | \sim \nsim Command \DeclareMathOperator{cmd}{text} \DeclareMathOperator*{cmd}{text} \\left\\left\\\.\reft\\.\right\\.\right\\.\right\\.\right\.\righ | snippet opr ce fl sq imp rpa opm mp pm tm cd | yes Autosnippet no no yes yes yes yes yes yes yes ye | no Visual no yes yes no no no no no no no no no | amssymb amssymb Package amsmath amsmath amsmath |
| Name Define new operator Ceiling Floor Square root Imaginary part Real part Mod operator Minus plus Plus minus Times Centered dot Circle | \sim \nsim Command \DeclareMathOperator{cmd}{text} \DeclareMathOperator*{cmd}{text} \\left\\left\\\ceil \reft\\\left\\\left\\\ \reft\\\\left\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | Snippet opr ce fl sq imp rpa opm mp pm tm cd cir | yes Autosnippet no no yes yes yes yes yes yes yes ye | no Visual no yes yes no no no no no no no no no n | amssymb amssymb Package amsmath amsmath amsmath |

| Crossed middle bar | \centernot\mid | ndv | yes | no | |
|--|--|---|--|--|---|
| | \max | | | | |
| Maximum | \max_{} | ×m | yes | no | |
| | \min | | | | |
| Minimum | | mu | yes | no | |
| | \min_{} | | | | |
| Infimum | \inf | nf | yes | no | |
| | \inf_{} | | | | |
| Supremum | \sup | sr | yes | no | |
| Supi eliidiii | \sup_{} | 31 | yes | 110 | |
| 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 | |
| | \nabla\cdot | | | | esvect |
| Divergence | \nabla\cdot | div | yes | no | |
| | \nabla\times | | | | |
| Curl | | cur | yes | no | esvect |
| | \nabla\times | | | | |
| | Operators with limits | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| 12 | \lim_{ \to} | _ | | | |
| Limit | \lim | lm | yes | no | |
| | \liminf_{ \to} | | | | |
| liminf | \liminf | lif | yes | no | |
| | | | | | |
| limsup | \limsup_{ \to} | lsu | yes | no | |
| | \limsup | | , | | |
| | \varliminf_{ \to} | 16 | | | |
| varliminf | \varliminf | lvf | yes | no | amsmath |
| | \varlimsup_{ \to} | | | | |
| varlimsup | \varlimsup | lvu | yes | no | amsmath |
| | | | | | |
| | | | | | |
| | Functions | | | | |
| Name | Functions Command | Snippet | Autosnippet | Visual | Package |
| Name Function domain and codomain | Functions Command fun : dom \longrightarrow cod | Snippet fn | Autosnippet yes | Visual no | Package — |
| | Functions Command | | | | Package — |
| Function domain and codomain | Functions Command fun : dom \longrightarrow cod | fn | yes | no | _ |
| | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ | | | | Package —— |
| Function domain and codomain | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img | fn | yes | no | _ |
| Function domain and codomain | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} | fn fd | yes | no no | amsmath |
| Function domain and codomain Function definition sin | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin | fn fd sni | yes no | no no | amsmath |
| Function domain and codomain | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} | fn fd | yes | no no | amsmath |
| Function domain and codomain Function definition sin | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin | fn fd sni | yes no | no no | amsmath |
| Function domain and codomain Function definition sin cos | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos | fn fd sni co | yes no yes yes | no no no | amsmath |
| Function domain and codomain Function definition sin cos tan | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan | fn fd sni co tn | yes no yes yes yes | no no no no | amsmath |
| Function domain and codomain Function definition sin cos tan cot | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot | fn fd sni co tn ot | yes no yes yes yes yes yes yes | no no no no no | amsmath |
| Function domain and codomain Function definition sin cos tan cot sec csc | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot \sec \csc | fn fd sni co tn ot sc cc | yes no yes yes yes yes yes yes yes yes | no | amsmath |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \\cos \\tan \\cot \\sec \\csc \\arcsin | fn fd sni co tn ot sc cc asin | yes no yes yes yes yes yes yes yes yes yes | no | amsmath |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \\cos \\tan \\cot \\sec \\csc \\arcsin \\arccos | fn fd sni co tn ot sc cc asin acos | yes no yes | no n | amsmath |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \\cos \\tan \\cot \\sec \\csc \\arcsin \\arccos | fn fd sni co tn ot sc cc asin acos atan | yes no yes yes yes yes yes yes yes yes yes | no | amsmath |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \\cos \\tan \\cot \\sec \\csc \\arcsin \\arccos | fn fd sni co tn ot sc cc asin acos | yes no yes | no n | amsmath |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \\cos \\tan \\cot \\sec \\csc \\arcsin \\arccos | fn fd sni co tn ot sc cc asin acos atan | yes no yes | no n | amsmath |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot \sec \csc \arcsin \arccos \arctan \arccos \arctan \arccot | fn fd sni co tn ot sc cc asin acos atan acot | yes no yes | no n | amsmath amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec arcsec arcsec | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot \sec \csc \arcsin \arccos \arctan \arccos \arctan \arccot \arcsec \arcsec | fn fd sni co tn ot sc cc asin acos atan acot asec acc | yes no yes | no n | amsmath amsmath* amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec arcsec sinh | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \\cos \\tan \\cot \\sec \\csc \\arcsin \\arccos \\arcsin \\arccos \\arcsin \\arccos \\arcsin \\arccos \\arccos \\arcsin \\arccos | fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh | yes no yes | no n | amsmath amsmath* amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec arcsec sinh cosh | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot \sec \csc \arcsin \arccos \arctan \arccos \arctan \arccot \arcsec | fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh | yes no yes | no n | amsmath amsmath* amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec arcsec sinh cosh tanh | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \\cos \\tan \\cot \\sec \\csc \\arcsin \\arccos \\arcsin \\arccos \\arcsin \\arccos \\arcsin \\arccos \\arcsin \\arccos \\arcsin \\arccos \\arcsin \\arccot \\arccot \\arcsin \\arccot \\arccot \\arcsin \\arccot \ | fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh tanh | yes no yes | no n | amsmath amsmath* amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec arcsec sinh cosh | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot \sec \csc \arcsin \arccos \arctan \arccos \arctan \arccot \arcsec | fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh | yes no yes | no n | amsmath amsmath* amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec arcsec sinh cosh tanh | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \\cos \\tan \\cot \\sec \\csc \\arcsin \\arccos \\arcsin \\arccos \\arcsin \\arccos \\arcsin \\arccos \\arcsin \\arccos \\arcsin \\arccos \\arcsin \\arccot \\arccot \\arcsin \\arccot \\arccot \\arcsin \\arccot \ | fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh tanh | yes no yes | no n | amsmath amsmath* amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec sinh cosh tanh coth | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot \sec \csc \arcsin \arccos \arctan \arccot \arcsec | fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh tanh | yes no yes | no n | amsmath amsmath* amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec sinh cosh tanh coth sech | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot \sec \csc \arcsin \arccos \arctan \arccot \arcsec \archan \arccot \arcsec \arcsec \archan \arccot \arcsec \arcsec \archan \arccot \archan \arccot \arcsec \archan \archan \arccot \archan \arccot \archan \arccot \archan \archan \arccot \archan | fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh tanh coth sh | yes no yes | no n | amsmath amsmath* amsmath* amsmath* amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec sinh cosh tanh coth sech csch arcsin | Functions Command fun: dom \longrightarrow cod \begin{align*} fun: dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot \sec \csc \arcsin \arccos \arctan \arccos \arctan \arccot \arcsec \arcsec \sinh \cosh \tanh \coth \sech \csc \arching \arcsin \arcsec \arching \archi | fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh tanh coth sh tanh | yes no yes | no n | amsmath amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec sinh cosh tanh coth sech csch arcsinh arccosh | Functions Command fun: dom \longrightarrow cod \begin{align*} fun: dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot \sec \csc \arcsin \arccos \arctan \arccos \arctan \arccot \arcsec \arcsec \sinh \cosh \tanh \coth \sech \csc \arching \arcsin \arcsec \arcsin \arccos \arctan \arccos \arctan \arccos \arctan \arccos \arcsin \arccos \arcsin \arccos \arcsin \arcsec \arcsec \arching \arching \arching \arching \arching \arcsinh \arccosh | fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh tanh coth sh tanh ahsin ahcos | yes no yes | no n | amsmath amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec sinh cosh tanh coth sech csch arcsinh arccoth arctanh | Functions Command fun: dom \longrightarrow cod \begin{align*} fun: dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot \sec \csc \arcsin \arccos \arctan \arccos \arctan \arccot \arcsec \sinh \cosh \tanh \coth \sech \csc \arcsin \arcsin \arcsec \arcsin \arccos \arctan \arccot \arcsec \arcsin \arccos \arctan \arccosh \arctanh \arccosh \arctanh | fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh tanh coth sh tanh ahsin ahcos ahtan | yes no yes | no n | amsmath amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec sinh cosh tanh coth sech csch arcsinh arccosh arctanh arccosh arctanh arccosh arctanh arccosh arctanh arccoth | Functions Command fun: dom \longrightarrow cod \begin{align*} fun: dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot \sec \csc \arcsin \arccos \arctan \arccos \arctan \arccot \arcsec \arcsec \sinh \cosh \tanh \coth \sech \csc \arching \arcsin \arcsec \arcsin \arccos \arctan \arccos \arctan \arccos \arctan \arccos \arcsin \arccos \arcsin \arccos \arcsin \arcsec \arcsec \arching \arching \arching \arching \arching \arcsinh \arccosh | fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh tanh coth sh tanh ahsin ahcos | yes no yes | no n | amsmath amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec sinh cosh tanh coth sech csch arcsinh arccoth arctan | Functions Command fun: dom \longrightarrow cod \begin{align*} fun: dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot \sec \csc \arcsin \arccos \arctan \arccos \arctan \arccot \arcsec \sinh \cosh \tanh \coth \sech \csc \arcsin \arcsin \arcsec \arcsin \arccos \arctan \arccot \arcsec \arcsin \arccos \arctan \arccosh \arctanh \arccosh \arctanh | fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh tanh coth sh tanh ahsin ahcos ahtan | yes no yes | no n | amsmath amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec sinh cosh tanh coth sech csch arcsinh arccosh arctanh arccosh arctanh arccoth | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot \sec \csc \arcsin \arccos \arctan \arccos \arctan \arccot \arcsec \sinh \cosh \tanh \coth \sech \csc \arcsin \arccos \arctan \arccos \arctan \arccot \arcsec \arcsin \arccos \arctan \arccosh \arctanh \arccosh \arctanh \arccosh \arctanh \arccosh \arctanh \arccosh \arctanh \arccosh | fn fd sni co tn ot sc cc asin acos atan acot asec sinh cosh tanh coth sh tanh ahsin ahcos ahtan ahcot | yes no yes | no n | amsmath amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec sinh cosh tanh coth sech csch arcsinh arccosh arctanh arccosh arctanh arccosh arctanh arccoth arcsech arcsech arcsech arcsech arcsech arcsech arcsech arcsech | Functions Command fun: dom \longrightarrow cod \begin{align*} fun: dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot \sec \csc \arcsin \arccos \arctan \arccos \arctan \arccot \arcsec \sinh \cosh \tanh \coth \sech \csc \arcsin \arccos \arctan \arccoc \arcsin \arccoc \archi \archi \archi \archi \archi \arccoch \arctan \arccoch \arctan \arccoch \arctan \arccoch \arccoch \arctan \arccoch \arccoch \arctan \arccoch \arcco | fn fd sni co tn ot sc cc asin acos atan acot asec sinh cosh tanh coth sh tanh ahsin ahcos ahtan ahcot ahcot ahcot ahcot | yes no yes | no n | amsmath amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec sinh cosh tanh coth sech csch arcsinh arccoth arcsech arcsinh arccoth arcsech arcsinh arccoth arcsech arctanh arccoth arcsech arctanh arccoth arcsech exp | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot \sec \csc \arcsin \arccos \arctan \arccot \arcsec \arcsec \sinh \cosh \tanh \coth \sech \csc \arcsin \arccoc \arcsin \arccoch \arcsin | fn fd sni co tn ot sc cc asin acos atan acot asec sinh cosh tanh coth sh tanh ahsin ahcos ahtan ahcot ahsec ahcc xp | yes no yes | no n | amsmath amsmath* |
| Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec sinh cosh tanh coth sech csch arcsinh arccosh arctanh arccosh arctanh arccosh arctanh arccoth arcsech arcsech arcsech arcsech arcsech arcsech arcsech arcsech | Functions Command fun : dom \longrightarrow cod \begin{align*} fun : dom & \longrightarrow cod \\ point & \longmapsto img \end{align*} \sin \cos \tan \cot \sec \csc \arcsin \arccos \arctan \arccos \arctan \arccot \arcsec \sinh \cosh \tanh \coth \sech \csc \arcsin \arccos \arctan \arccoc \arcsin \arccoc \archi \archi \archi \archi \arccoch \arctan \arccoch \arcsch \arccoch \arccoch \arcsch | fn fd sni co tn ot sc cc asin acos atan acot asec sinh cosh tanh coth sh tanh ahsin ahcos ahtan ahcot ahcot ahcot ahcot | yes no yes | no n | amsmath amsmath* |

| | 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 | i, | sln | yes | no | |
| | Horizontal extensi | ions | 1 | I | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Overline | | ovr | yes | yes | |
| Underline | | und | yes | yes | |
| Overbrace | ^{top} | ovb | yes | yes | |
| Underbrace | _{bottom} | unb | yes | yes | |
| | Delimiters | ' | | 1 | • |
| 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 | |
| | \left\langle \right\rangle | | | | |
| Angle brackets | \langle \rangle | dk | yes | yes | |
| | \left\lvert \right\rvert | | | | |
| Pipes | \lvert \rvert | da | yes | yes | amsmath |
| | \left\lVert \right\rVert | | | | |
| Double pipes | \lVert \rVert | dn | yes | yes | amsmath |
| | \big | | | | |
| | \Big | | | | |
| Big-g delimiters | \bigg | big | yes | no | |
| | \Bigg | | | | |
| | Spacing command | le | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Thin space | | thp | yes | no | |
| Medium space | \: | mdn | | no | |
| Thick space | | | yes | | |
| · · | \; | tkp | yes | no | |
| Enskip | \enskip | enp | yes | no | |
| Quad | | qu | yes | no | |
| Double quad | \qquad | qq | yes | no | |
| Negative thin space | \! | thn | yes | no | |
| Negative medium space | \negmedspace | men | | | |
| Negative thick space | | | yes | no | |
| Unnizontal anges | \negthickspace | tkn | yes | no no | |
| Horizontal space | \negthickspace | | | | |
| Vertical space | <pre>\negthickspace </pre> | tkn hs vs | yes | no | |
| Vertical space | \negthickspace Greek alphabet | tkn hs vs | yes yes yes | no no no | |
| Vertical space Name | \negthickspace Greek alphabet Command | tkn hs vs Snippet | yes yes yes Autosnippet | no no no Visual | Package |
| Vertical space Name Alpha | \negthickspace Greek alphabet Command \alpha | tkn hs vs Snippet .a | yes yes yes Autosnippet yes | no no Visual | Package |
| Vertical space Name Alpha Beta | \negthickspace Greek alphabet Command \alpha \beta | tkn hs vs Snippet .a .b | yes yes yes Autosnippet yes yes | no no visual no | Package |
| Vertical space Name Alpha Beta Chi | \negthickspace Greek alphabet Command \alpha \beta \chi | tkn hs vs Snippet .a .b | yes yes yes Autosnippet yes yes yes | no no visual no no | Package |
| Vertical space Name Alpha Beta Chi Uppercase delta | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta | tkn hs vs Snippet .a .b .c | yes yes yes Autosnippet yes yes | no no visual no | Package |
| Vertical space Name Alpha Beta Chi | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta | tkn hs vs Snippet .a .b | yes yes yes Autosnippet yes yes yes | no no visual no no | Package |
| Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \delta \varepsilon | tkn hs vs Snippet .a .b .c | yes yes yes Autosnippet yes yes yes yes | no no visual no no no | Package |
| Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \delta \varepsilon \epsilon | tkn hs vs Snippet .a .b .c .D .d | yes yes yes Autosnippet yes yes yes yes yes yes yes yes | no no no Visual no no no no no | Package |
| Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma | tkn hs vs Snippet .a .b .c .D .d .e .e | yes yes yes Autosnippet yes yes yes yes yes yes yes yes yes | no no Nisual no | Package |
| Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \gamma | tkn hs vs Snippet .a .b .c .D .d .e .6 | yes yes yes Autosnippet yes | no no Nisual no | Package |
| Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \gamma \qamma \eta | tkn hs vs Snippet .a .b .c .D .d .e .6 .g .h | yes yes yes Autosnippet yes yes yes yes yes yes yes yes yes | no no Nisual no | Package |
| Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Iota | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \gamma \qamma \teta \iota | tkn hs vs Snippet .a .b .c .D .d .e .6 .g .h .i | yes yes yes Autosnippet yes | no no Nisual no | Package |
| Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Iota Kappa | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \gamma \qamma \teta \iota \hteta \iota \kappa | tkn hs vs Snippet .a .b .c .D .d .e .6 .g .h .i .k | yes yes yes Autosnippet yes | no no no visual no | Package |
| Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Iota Kappa Uppercase lambda | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \gamma \qamma \teta \iota \hteta \lambda | tkn hs vs Snippet .a .b .c .D .d .e .6 .g .h .i .k .L | yes yes yes Autosnippet yes | no no no Visual no | Package |
| Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Iota Kappa | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \gamma \qamma \teta \iota \hteta \iota \kappa | tkn hs vs Snippet .a .b .c .D .d .e .6 .g .h .i .k | yes yes yes Autosnippet yes | no no no visual no | Package |
| Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Iota Kappa Uppercase lambda Lowercase lambda | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \gamma \qamma \teta \iota \hteta \lambda | tkn hs vs Snippet .a .b .c .D .d .e .6 .g .h .i .k .L | yes yes yes Autosnippet yes | no no no visual no | Package |
| Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Iota Kappa Uppercase lambda Mu | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \gamma | tkn hs vs Snippet .a .b .c .D .d .e .g .h .i .k .l | yes yes yes Autosnippet yes | no no no visual no | Package |
| Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Iota Kappa Uppercase lambda Lowercase lambda Mu Nu | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \gamma \teta \iota \hiota \kappa \Lambda \hambda \hambda \hambda \hambda | tkn hs vs Snippet .a .b .c .D .d .e .g .h .i .k .L .l | yes yes yes Autosnippet yes | no n | Package |
| Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Iota Kappa Uppercase lambda Lowercase lambda Mu Nu | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \gamma \teta \iota \iota \htelefa \iota \htelefa \iota \htelefa \iota \htelefa \htel | tkn hs vs Snippet .a .b .c .D .d .e .6 .g .h .i .k .L .l .m | yes yes yes yes Autosnippet yes | no no no visual no | |
| Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Iota Kappa Uppercase lambda Mu Nu Uppercase omega | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \gamma \eta \iota \iota \kappa \Lambda \Lambda \lambda \mu \nu \Omega | tkn hs vs Snippet .a .b .c .D .d .e .g .h .i .k .L .l .m | yes yes yes yes Autosnippet yes | no n | Package |
| Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Iota Kappa Uppercase lambda Lowercase lambda Mu Nu Uppercase omega Lowercase phi | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \gamma \eta \iota \hiota \kappa \Lambda \lambda \hambda \mu \nu \omega \omega | tkn hs vs Snippet .a .b .c .D .d .e .6 .g .h .i .k .L .l .m .n .0 .0 .Ph | yes yes yes yes yes Autosnippet yes | no no no no visual no | Package |
| Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Iota Kappa Uppercase lambda Lowercase lambda Mu Nu Uppercase omega Lowercase omega | \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \gamma \eta \iota \htele \iota \kappa \Lambda \lambda \hmu \nu \Omega \omega \Omega \Omega \Omega | tkn hs vs Snippet .a .b .c .D .d .e .g .h .i .k .L .l .m .n | yes yes yes yes Autosnippet yes | no n | |

| 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 | .х | yes | no | |
| Zeta | \zeta Letter-shaped symbols | .Z | yes | no | |
| 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 | 11 | 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 | т | , | т | т |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| | | | | | |
| Dot accent | | - dr | Vac | Vec | |
| Doc accent | | ui. | yes | yes | amsmath |
| | | 1 | | | amsmath |
| | | | | | |
| Hat | | - ht | yes | yes | |
| Math ring | | rng | yes | yes | |
| | | , | , | 1 | |
| Tilde | | til | yes | yes | |
| | | | | | esvect |
| Vector | | vv | yes | no | esvect |
| | | | | | |
| M | Logic | 0 | A | V2 3 | n I |
| 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 |
| 2. Sild Only II | Sets and inclusion | | , | | ao.nd cri |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Belongs to | | | | - | rackage |
| | \in \ | in | yes | no | |
| Not in | \notin | ntn | yes | no | |
| Owns | \ni | na | yes | no | |
| | | | | | |
| Emnty set | \emptyset | VC | Ves | no | |
| Empty set | \emptyset \varnothing | vc | yes | no | amssymb |

| h | | | 1 | T | |
|---|---|--|--|--|---|
| 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 | |
| | \subseteq | | | | |
| Subset or equals | nsubseteq | - sbq | yes | no | amssymb |
| Contains | \supset | sps | yes | no | |
| Contains | | 393 | 700 | 110 | |
| Contains or equals | \supseteq | spq | 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 | | | no | |
| | | rar | yes | | |
| Long left arrow | \longleftarrow | lar | yes | no | |
| Long maps to | \longmapsto | to | yes | no | |
| | Sums | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| | \sum_{} | | | | |
| Subscript sum | | sm | yes | no | |
| | \sum | | | | |
| Definite sum | \sum_{}^{} | SS | yes | no | |
| Subscript o-sum | \bigoplus_{} | sos | yes | no | |
| Definite o-sum | \bigoplus_{}^{} | nos | yes | no | |
| | Products | | , | | |
| Name | | Cninnot | Autooninnot | Viewal | Dookogo |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Subscript product | \prod_{} | sp | yes | no | |
| Subscript product | \prod | эр | yes | 110 | |
| Definite product | \prod_{}^{} | рр | yes | no | |
| Subscript o-times | \bigotimes_{} | sop | yes | no | |
| Definite o-times | | - | | <u> </u> | |
| Delinite o-times | \bigotimes_{}^{} | nop | yes | no | |
| | Derivatives | | 1 | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Differential | \dx | df | yes | no | amsmath* |
| | \der{func}{var} | | | | |
| Derivative | \Der{func}{var} | der | yes | no | amsmath* |
| | \ndr{n}{func}{var} | | | | |
| n-th derivative | \\Ndr{n}{func}{var} | ndn | | | |
| | | — ndr | yes | no | amsmath* |
| 1 | | nui* | yes | no | amsmath* |
| partial derivative | \pdr{func}{var} | | | | |
| partial derivative | \pdr{func}{var} \Pdr{func}{var} | pdr | yes | no | amsmath* |
| | \pdr{func}{var} | pdr | yes | no | * |
| partial derivative | \pdr{func}{var} \Pdr{func}{var} | | | | |
| n-th partial derivative | \pdr{func}{var} \Pdr{func}{var} \npd{n}{func}{var} \npd{n}{func}{var} \Npd{n}{func}{var} | pdr npd | yes | no no | * |
| | \pdr{func}{var} \Pdr{func}{var} \npd{n}{func}{var} \Npd{n}{func}{var} \Npd{n}{func}{var} | pdr | yes | no | * |
| n-th partial derivative Derivative evaluation | \pdr{func}{var} \Pdr{func}{var} \npd{n}{func}{var} \Npd{n}{func}{var} \Npd{n}{func}{var} Integrals | pdr npd evl | yes yes yes | no no no | * * amsmath* |
| n-th partial derivative | \pdr{func}{var} \Pdr{func}{var} \npd{n}{func}{var} \Npd{n}{func}{var} \Npd{n}{func}{var} Integrals Command | pdr npd | yes | no no | * |
| n-th partial derivative Derivative evaluation Name | \pdr{func}{var} \Pdr{func}{var} \npd{n}{func}{var} \Npd{n}{func}{var} \Npd{n}{func}{var} Integrals | pdr npd evl Snippet | yes yes yes Autosnippet | no no no Visual | * amsmath* |
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| n-th partial derivative Derivative evaluation Name | \pdr{func}{var} \Pdr{func}{var} \npd{n}{func}{var} \npd{n}{func}{var} \Npd{n}{func}{var} Integrals Command \int \oint \int_{} | pdr npd evl Snippet | yes yes yes Autosnippet | no no no Visual | * amsmath* |
| n-th partial derivative Derivative evaluation Name Integral Subscript integral | \pdr{func}{var} \Pdr{func}{var} \npd{n}{func}{var} \npd{n}{func}{var} \Npd{n}{func}{var} Integrals Command \int \oint \int_{} \oint_{} | pdr npd evl Snippet itn | yes yes yes Autosnippet yes yes | no no visual no no | * amsmath* Package |
| n-th partial derivative Derivative evaluation Name Integral | \pdr{func}{var} \Pdr{func}{var} \npd{n}{func}{var} \npd{n}{func}{var} \Npd{n}{func}{var} Integrals Command \int \oint \int_{} \int_{} \int_{} | pdr npd evl Snippet | yes yes yes Autosnippet yes | no no Visual no | * amsmath* Package |
| n-th partial derivative Derivative evaluation Name Integral Subscript integral | \pdr{func}{var} \Pdr{func}{var} \npd{n}{func}{var} \npd{n}{func}{var} \Npd{n}{func}{var} Integrals Command \int \oint \int_{} \oint_{} \int_{} \int_{} \int_{} \int_{} \int_{} | pdr npd evl Snippet itn | yes yes yes Autosnippet yes yes | no no visual no no | * amsmath* Package amsmath |
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| n-th partial derivative Derivative evaluation Name Integral Subscript integral Definite integral Double integral Double integral | \pdr{func}{var} \Pdr{func}{var} \npd{n}{func}{var} \npd{n}{func}{var} \Npd{n}{func}{var} Integrals Command \int \oint \int_{} \oint_{} \int_{}^{} | pdr npd evl Snippet itn its itd itbn | yes yes Autosnippet yes yes yes yes | no no Visual no no no no no no | * amsmath* Package amsmath esint amsmath esint |
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| n-th partial derivative Derivative evaluation Name Integral Subscript integral Definite integral Double integral Double integral | \pdr{func}{var} \Pdr{func}{var} \npd{n}{func}{var} \npd{n}{func}{var} \Npd{n}{func}{var} Integrals Command \int \oint \int_{} \oint_{} \int_{} | pdr npd evl Snippet itn its itd itbn | yes yes Autosnippet yes yes yes yes yes yes yes | no no Visual no no no no no no | * amsmath* Package amsmath esint amsmath esint amsmath txfonts |
| n-th partial derivative Derivative evaluation Name Integral Subscript integral Definite integral Double integral Double integral subscript Triple integral | \pdr{func}{var} \Pdr{func}{var} \npd{n}{func}{var} \npd{n}{func}{var} \Npd{n}{func}{var} Integrals Command \int \oint \int_{} \oint_{} \int_{}^{} \iint \oint \iint_{} | pdr npd evl Snippet itn its itd itbn | yes yes yes Autosnippet yes yes yes yes yes yes yes | no no Visual no no no no no no | * amsmath* Package amsmath esint amsmath esint amsmath txfonts amsmath |
| n-th partial derivative Derivative evaluation Name Integral Subscript integral Definite integral Double integral Double integral subscript Triple integral Triple integral subscript | \pdr{func}{var} \Pdr{func}{var} \npd{n}{func}{var} \npd{n}{func}{var} \Npd{n}{func}{var} Integrals Command \int \oint \int_{} \oint_{} \int_{} | pdr npd evl Snippet itn its itd itbn itbs | yes yes Autosnippet yes yes yes yes yes yes yes | no no visual no no no no no no no no no | * amsmath* Package amsmath esint amsmath esint amsmath txfonts |
| n-th partial derivative Derivative evaluation Name Integral Subscript integral Definite integral Double integral Double integral subscript Triple integral | \pdr{func}{var} \Pdr{func}{var} \npd{n}{func}{var} \npd{n}{func}{var} \Npd{n}{func}{var} Integrals Command \int \oint \int_{} \oint_{} \int_{}^{} \iint \oint \iint_{} | pdr npd evl Snippet itn its itd itbn itbs | yes yes yes Autosnippet yes yes yes yes yes yes yes | no no visual no no no no no no no no no | * amsmath* Package amsmath esint amsmath esint amsmath txfonts amsmath |
| n-th partial derivative Derivative evaluation Name Integral Subscript integral Definite integral Double integral Double integral subscript Triple integral Triple integral subscript | \pdr{func}{var} \Pdr{func}{var} \npd{n}{func}{var} \npd{n}{func}{var} \Npd{n}{func}{var} Integrals Command \int \oint \int_{} \oint_{} \int_{} | pdr npd evl Snippet itn its itd itbn itbs ittn | yes yes yes Autosnippet yes yes yes yes yes yes yes | no no no Visual no | * amsmath* Package amsmath esint amsmath esint amsmath txfonts amsmath txfonts |

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| | Preamble macros | | | | |
| | Trigonometric functi | | | | |
| | Code | | | | Package |
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| DeclareMathOperator{\arccot}{arccot} | amsmath |
|--|--------------|
| \DeclareMathOperator{\arcsec}{arcsec} | amsmath |
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| Logic | · |
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| \newcommand{\dr}{\text{d}}} | amsmath |
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| \newcommand{\Npd}[3]{\frac{\partial^{#1}}}{\partial*3^{#1}}#2} | |
| \newcommand{\evl}[1]{\mathrel{\bigg _{\frac{41}{}}}} | amsmath |
| Lectures | diii3iid Cii |
| Code | Package |
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| /man Atuban (/100cungestse/cests) (/mmos/4,5)) | |
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| F | |