| LaTeX Snip | pets. See Goosens, M., Mittelbach, F. The LaTeX Companion | . 2 ed. for a detai | led explanation | of each comma | nd |
|---------------------------------------|---|---------------------|-----------------|---------------|---|
| | structure.lua | | | | |
| Name | Document preamble Command | | Autosninnet | Visual | Package |
| | \documentclass{document-class} | Siiippet | Autosiiippet | VISUAI | 1 ackage |
| Document class | \documentclass[class-options]{document-class} | doc | no | no | |
| | \usepackage{package-name} | | | | |
| Use package | \usepackage[package-options]{package-name} | pk | no | no | |
| Title | | tl | no | | |
| Author | | aut | no | no | Visual Package no no no no no no yes yes yes yes yes no no no makeidx yes hyperref Visual Package no no |
| Date | | dat | no | no | |
| Today's date | \today | td | no | no | |
| | \begin{document} | | | | |
| | | | | | |
| Document body | ••• | bd | no | no | Package |
| |) | | | | 1 Package |
| | | | | | |
| Name | | Spinnet | Autospinnot | Vicual | Pookago |
| Ivalile | | Siiippet | Autosiiippet | VISUAI | rackage |
| Section | | scn | no | Ves | |
| 000 010H | | 3011 | 110 | yes | |
| | | scn no yes | | | |
| Subsection | \subsection*{title} | | | | |
| | | | , | | |
| | | | | | |
| Subsubsection | \subsubsection*{title} | ssn | no | yes | |
| | \subsubsection[toc-entry]{title} | | | | |
| | \chapter{title} | | | | |
| Chapter | \chapter*{title} | chr | no | yes | |
| | \chapter[toc-entry]{title} | | | | |
| | \part{title} | | | | |
| Part | \part*{title} | prt | no | yes | |
| | \part[toc-entry]{title} | | | | |
| | | | | | |
| Paragraph | | par | no | yes | |
| | | | | | |
| Cubaaaaaaa | | -1 | | | |
| Subparagraph | | Sup | no | yes | |
| Maketitle | | mk+ | no | no | |
| Table of contents | | 4 | | | |
| List of tables | | | | | |
| List of figures | \listoffigures | | | | |
| Makeindex | \makeindex | mki | | | makeidx |
| Print index | \printindex | | + | | |
| PDF bookmark | \texorpdfstring{tex}{bookmark} | pdf | no | yes | hyperref |
| | Cross-references | | | | |
| | Labels | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Generic label | \label{key} | lge | no | | |
| Label section | \label{sec:key} | lsn | no | | |
| Label subsection | \label{sub:key} | lsb | no | | |
| Label subsubsection | \label{ssub:key} | lss | no | no | |
| Label chapter | \label{ch:key} | lch | no | no | |
| Label paragraph Label subparagraph | \label{par:key} | lpa | no | no | |
| Label subparagraph Label equation | \label{subpar:key} \label{eq:key} | lsp | no no | no no | |
| Label equation 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 | VOC | lettrine |
| Linial yeu Terrei | \lettrine[val-list]{initial}{text} | cu. | no | yes | CALTUR |
| Footnote | \footnote{text} | foo | no | yes | |
| Marginal note | \marginpar{text} | mrg | no | yes | |
| New page | \newpage | npg | no | no | |
| | Columns | | | | |
| | 55145 | | | | 1 |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Name | | Snippet | Autosnippet | Visual | Package |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Name | Command \begin{multicols}{columns} | Snippet | Autosnippet | Visual | Package |
| Name | Command \begin{multicols}{columns} | Snippet | Autosnippet | Visual | Package |

| | \end{multicols} | | J | 1 | |
|---------------------------------|--|---------|---------------|----------|---------|
| , | \begin{multicols}{columns}[preface][skip] | | | 1 | |
| ı | \ | | ļ | | |
| | \end{multicols} List structures | | | | |
| | Ordered lists | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| , | <pre>,ref=\the<>.\textnormal{\arabic*}</pre> | - | + | | |
| | ,ref=\the<>.\textnormal{\Roman*} | 7 | | | |
| Item reference format | <pre>,ref=\the<>.\textnormal{\roman*}</pre> | rff | no | no | |
| | <pre>,ref=\the<>.\textnormal{\Alph*}</pre> | | | | |
| | <pre>,ref=\the<>.\textnormal{\alph*}</pre> | | | + | |
| | <pre>\begin{itemize} \item</pre> | tz | no | no | |
| | \\tem \ \\end{itemize} | LE | 110 | 110 | |
| | \begin{enumerate}[label=\textnormal{(\arabic*)}] | | + | | + |
| | \item | enn | no | no | |
| | \end{enumerate} | | | | |
| | \begin{enumerate}[label=\textnormal{(\Roman*)}] | | † | | |
| · | \item | enI | no | no | |
| | \end{enumerate} | | | | |
| | begin{enumerate}[label=\textnormal{(\roman*)}] | | | | |
| Lowercase roman enumerated list | t \item \end{enumerate} | eni | no | no | |
| | <pre>\end{enumerate} \begin{enumerate}[label=\textnormal{(\Alph*)}]</pre> | | + | | + |
| | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | enA | no | no | |
| · · | \tem \end{enumerate} | | | 1 | |
| | \begin{enumerate}[label=\textnormal{(\alph*)}] | | + | | |
| Lowercase latin enumerated list | | ena | no | no | |
| | \end{enumerate} | | | | |
| New item | \item | tm | no | no | |
| Name | Theorem-like environments Command | Cninnat | Autosnippet | Visual | Dackage |
| | Command Comm | Snippet | AUTOSIITAbe e | ATPROT | Package |
| | \ | | | | |
| | \end{theorem} | | | 1 | |
| New theorem | \begin{theorem}[name] | 00 | no | yes | amsthm |
| | | | | | |
| | \end{theorem} | | | | |
| ; | \begin{proof} | | | 1 | |
| | end{proof} | | | | |
| Proof environment | \begin{proof} [name] | pf | no | no | amsthm |
| ; | \begin{proof}{name} | | | 1 | |
| | \end{proof} | | | | |
| | \begin{proposition} | + | + | | |
| | | | | | |
| New proposition | \end{proposition} | ps | no | yes | amsthm |
| "em biobostoto" | \begin{proposition}[name] | | | | umo c |
| | \\ | | | | |
| | \end{proposition} \begin{corollary} | | + | | + |
| | \begin{corollary} | | | | |
| | \end{corollary} | | | | |
| New corollary | \begin{corollary}[name] | сс | no | yes | amsthm |
| | | | | | |
| | \end{corollary} | | | | |
| | \begin{lemma} | | | | |
| | | | | | |
| | \end{lemma} | u | no | yes | amsthm |
| New lemma | \begin{lemma}[name] | | | 1 | |
| New lemma | | | Ţ | | |
| New lemma | \andilemmal | | 1 | 1 | |
| New lemma | \end{lemma} | | + | — | ļ |
| New lemma | | | + | + | |
| New lemma | \end{lemma} \begin{definition} | dd | no | yes | amsthm |

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|--|--------------------------|------------------------|----------|-------------|--------|--------------|
| New Formation | | | | | | |
| | | \begin{remark} | | | | |
| | | | | | | |
| | New remark | | re | no | yes | amsthm |
| | | | | | , | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Name | Now exercise | \end{exercise} | 0.4 | no | yos. | amethm |
| | New exercise | \begin{exercise}[name] | 67 | 110 | yes | diiis ciiiii |
| New example | | | | | | |
| New example | | | | | | |
| | | | | | | |
| | | | | | | |
| Vegical (principle) Vegical (principle) | New example | \begin{example}[name] | ee | no | yes | amsthm |
| New principle | | | | | | |
| New principle New principl | | | | | | |
| New principle | | | | | | |
| | | | | | | |
| Name | New principle | | pn | no | yes | amsthm |
| Tabular naterial Tabular material Tabular mat | | | | | | |
| Name | | \end{principle} | | | | |
| Name | | | | | | |
| Legin(table)(opt Legin(tabla)(apt Legin(tabla | Nama | | Spinnet | Autospinpet | Vicual | Package |
| Table environment | ivalile | | Siiippet | Autosnippet | VISUAI | rackage |
| Nend(tabular) | | | | | | |
| Negin(array){cols} | Table environment | | tab | no | no | |
| Negin{array}{cots} | | \end{tabular} | | | | |
| Array environment | | | | | | |
| Name | | | | | | |
| hyphenate text correctly \hspace{\text{Bpt}} hyp no no | Array environment | | rr | no | no | array |
| Redefine \\ \arraybackslash bck no no | Hyphenate text correctly | | hyp | no | no | |
| Text alignment | | | | | | |
| | | \raggedleft | lt | no | no | |
| Tabular row break | Text alignment | \centering | cr | no | no | |
| Tabular row break Tabular environment preamble options | | \raggedright | rt | no | no | |
| Name | Tabular row break | | br | no | no | |
| Name | | | .ons | | | |
| num copies of opts *{num}{optis} cop no no Vertically centered column m{width} mc no no no array Before column options >{decl} bl no no array After column option <{decl} | Name | | - | Autosnippet | Visual | Package |
| 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 no array Floats Name Command Snippet Autosnippet Visual Package Caption Caption(fext) Command Snippet Autosnippet Visual Package Caption(fext) Command C | <u>'</u> | | рс | no | no | |
| Bottom column b\(\text{width}\) | <u> </u> | | сор | no | no | |
| Before column options >{decl} | · | | | | | |
| After column option Column option Column option Floats | | | | | | |
| Name Command Snippet Autosnippet Visual Package | · | | | | | |
| Name Command Snippet Autosnippet Visual Package Caption \caption(list-entry){text} cpt no no Caption \captionof{type}{text} cof no no caption Caption of \captionof*type}{tist-entry}{type}{text} cof no no caption Subfloat \subfloat{object} sbf no no subfloat Subfloat \subfloat[caption]{object} sbf no no subfloat Sub-numbers for tables snt no no subfloat \begin{subfloat}subfables} \end{subfloat}subfloat \end{subfloat}subfloat \begin{subfloat}subfloatsploats | | | | | | 1 |
| Caption \caption(list-entry){text} cpt no no Caption of { \captionof{type}{text}} \captionof*{type}{list-entry}{text} cof no no no caption Caption of { \captionof*type}{list-entry}{type}{text} cof no no no caption Caption of { \captionof*type}{list-entry}{type}{text} sbf no no no subfion Subfloat { \subfloat[caption]{coption}{text}} sbf no no subfig Sub-numbers for tables { \tag{begin{subtables}} \tag{begin{subtables} \tag{subtables} \tag{begin{subtables} \tag{subtables} \tag{begin{subtables} \tag{subtables} \tag{subtables} \tag{begin{subtables} \tag{subfigures} \tag{subfigures} \tag{subfigures} \tag{subfigures} \tag{subfigures} \tag{subtables} \tag{subfigures} subfigur | Name | | Snippet | Autosnippet | Visual | Package |
| Caption [list-entry] [text] caption of {type} {text} cof no no no caption of caption Caption of {type} [list-entry] {text} cof no no no no caption Subfloat {object} subfloat[caption] {object} sbf no no no subfig Subfloat [list-entry] [caption] {text} begin{subfloat] begin{subfloat} caption] {text} snt no no subfloat Sub-numbers for tables snt no no subfloat \begin{subfloat} subfloat] \begin{subfloat} subfloat subfloat] \begin{subfloat} subfl | Caption | · · | cnt | no | no | |
| Caption of \captionof{type}[list-entry]{text} cof no no no caption \captionof*{type}{text} \subfloat{object} sbf no no no subfloat[caption]{object} sbf no no no subfloat[subfigues] subfloat[subfigues] snt no no subfloat[subfloat] subfloat[subfloat] <t< td=""><td></td><td></td><td>572</td><td>110</td><td>110</td><td></td></t<> | | | 572 | 110 | 110 | |
| \captionof*{type}{text} \subfloat{object} Subfloat \subfloat[caption]{object} sbf no no subfloat[ist-entry][caption]{text} \begin{subfloat}[subfables} snt no no subfloat \begin{subfables} snt no no subfloat \begin{subfables} \begin{subfables} \begin{subfables} \begin{subfables} \begin{subfables} | Cantian of | | - | | | |
| \subfloat{object} | capcion of | | COf | no | no | caption |
| Subfloat \subfloat[caption]{object} sbf no no subfloat \subfloat[list-entry][caption]{text} \begin{subtables} snt no no subfloat Sub-numbers for tables snt no no subfloat \end{subtables} \begin{subfloating} \begin{subfloating} \begin{subfloating} \begin{subfloating} | | | | | | |
| \subfloat[list-entry][caption]{text} \begin{subtables} Sub-numbers for tables snt no no subfloat \end{subtables} \begin{subfigures} \begin{subfigures} \text{\text{out}} | Subfloat | | sbf | no | no | subfig |
| Sub-numbers for tables snt no no subfloat \end{subtables} \begin{subfigures} | | | 1 | | | |
| \end{subtables} \begin{subfigures} | | | | | | |
| \begin{subfigures} | Sub-numbers for tables | | snt | no | no | subfloat |
| | | | | | | |
| Sub-numbers tor rigures snf no no subfloat | Cult mumbana Com Cd | | | | | |
| | Sub-Humbers for figures | l | snt | no | по | SUDTLOAT |

| | \end{subfigures} fonts.lua | | | | |
|---------------------------------------|--|---------|-------------|----------|-------------|
| | Fonts | | | | |
| | Standard size-changing comman | ds | | | |
| 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 | 110. | no | no | + |
| Large font size | \Large | lar | no | no | |
| Large Tullt Size | \LARGE | — Lai | no | no | - |
| | \huge | | | | + - |
| Huge font size | | hug | no | no no | |
| | \Huge | 312 | no | no | |
| N | Standard font-changing commands and de | | Autorianot | V4 1 | Parliago |
| 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 | |
| | \sffamily | | | no | 1 |
| | \texttt{text} | | | yes | |
| Typewriter family | \begin{ttfamily}\end{ttfamily} | tt | no | yes | |
| | \ttfamily | | | no | 1 |
| | \textbf{text} | | | yes | |
| Bold series | \begin{bfseries}\end{bfseries} | bf | no | yes | |
| | \bfseries | _ | | no | - |
| | \textit{text} | | | yes | |
| Italic shape | \begin{itshape}\end{itshape} | it | no | yes | |
| Tourie Shape | \itshape | _ | 110 | no | - |
| | \textsc{text} | | | | |
| Small caps shape | \begin{scshape} \end{scshape} | _ | - | yes | |
| Small caps snape | | sc | no | yes | |
| | \scshape | | | 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 | |
| | \normalfont | | | no | |
| | math.lua | | | | |
| | Math | | | | |
| | Math alphabet identifiers | | | | |
| 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 | | ma | | | amsfonts |
| DIACKDOATA DOTA MACIT TOTIC | Display environments and alignment s | | yes | yes | dilistotics |
| Name | | | Autooninnot | Viousl | Package |
| Name | Command | Snippet | Autosnippet | Visual | rackage |
| To 1 to a 1 d to 2 d to 2 | \$\$ | mm | yes | yes | |
| Inline display | \begin{env} | | | | |
| | | en | no | yes | |
| Inline display Generic environment | | | | | |
| | \end{ <i>env</i> } | | | | |
| | | | | | |
| | \end{ <i>env</i> } | | | | |
| Generic environment | \end{env} \begin{equation} | | | V00 | |
| | \end{env} \begin{equation} | nn | no | yes | |
| Generic environment | \end{env} \begin{equation} \end{equation} | nn | no | yes | amsmath |
| Generic environment | \text{\end{env}} \begin{equation} \end{equation} \begin{equation} | — nn | no | yes | |

| Left relation arrow | \xleftarrow[bottom]{top} | | lxl | yes | no | amsmath |
|---------------------------|---|---|---------------|-------------|--------|--------------|
| | \xleftarrow{top} | | | | | |
| Name | | mand | Snippet | Autosnippet | Visual | Package |
| | | Compound structures | | | | |
| Stacking | \substack{ \\} | | st | yes | yes | amsmath |
| Subscript and superscript | _{}^{} | | 1 | yes | no | |
| Superscript | ^{} | | | yes | yes | |
| Short superscript | ٨ | | | yes | no | |
| Subscript | _{{}} | | : | yes | yes | |
| Short subscript | - | | ; | yes | no | |
| Name | Com | mand | Snippet | Autosnippet | Visual | Package |
| | (2.10 Cibiolololalalmaci TV) | Subscripts and superscripts | | | | |
| HOW GOLICITO MIGUITY | \end{ p b B v V matrix} | CIPIDIDIALALZBII | | yes | 110 | Garania CII |
| New generic matrix | | { p b B v V }gn | | yes | no | amsmath |
| | \begin{ p b B v V matrix} | | | | | |
| now nomogeneus macifix | \end{ p b B v V matrix} | רואומומומואן אוען און און און און און און און און און או | .00.03 | yes | IIU | umama LII |
| New homogeneus matrix | | { p b B v V }{rows},{ | rols} | VAC | no | amsmath |
| | \end{ p b B v V matrix} \begin{ p b B v V matrix} | | | | | |
| New matrix | \.ond{ n h R v V matniv} | { p b B v V }{rows}x{ | .0015} | yes | no | amsmath |
| Now matrix | \begin{ $ p b B v V $ matrix} | المالمالمالمالمالم | ion] cl | Vec | po. | amemeth |
| Name | Command | Snippet | | Autosnippet | Visual | Package |
| N | C | Matrix-like environments | | Autoori | Via1 | Dooling |
| Last equation number | \theequation | Motory Tiles sand comments | teq | yes | no | |
| | \tag*{tag} | | | | | |
| Equation tag | \tag{tag} | | tag | yes | yes | amsmath |
| Suppress equation tag | \notag | | ntg | yes | no | amsmath |
| Name | | mand | Snippet | Autosnippet | Visual | Package |
| | | Equation numbering and tags | 0 | | w | |
| Textstyle | \textstyle | | ty | yes | no | |
| Displaystyle | \displaystyle | | dis | yes | no | |
| Display page break | \displaybreak | | dib | yes | no | amsmath |
| Text inside display | text | | tx | yes | yes | amsmath |
| Short text between lines | \intertext{text} | | itr | yes | yes | amsmath |
| Display line break | | | br | yes | no | |
| Disaboration I | \\\ | | | | | |
| MEM COSES ELIATLALIMELLE | | | Louse-Hom Jos | yes | 110 | amaliatii |
| New cases environment | _ | | [case-num]cs | VOC | no | amsmath |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| New flalign | | | fal | no | yes | amsmath |
| | | | £0] | | | |
| New flalign | | | | | | |
| | <u>-</u> | | | | | |
| | | | | | | |
| | | | | | | |
| New align | | | aa | no | yes | amsmath |
| | | | | | | |
| | | | | | | |
| | | | | | | 1 |
| | \\ \end{gather} \begin{gather*}\ \end{gather*} \begin{align*}\ \end{align*} \begin{align}\ \end{align} \begin{flalign}\ \end{flalign} \begin{flalign}\ \end{flalign} \begin{flalign}\ \end{flalign} \begin{cases}\ \end{cases} \\\\ \lend{cases} \\\ \\ lines \intertext{text} \displaybreak | | | | | |
| 900 | | | 22 | | ,00 | |
| New gather | | | gg | no | yes | amsmath |
| | | | | | | |
| | \begin{gather} | | | | | |
| | \end{split} | | | | | |
| New split | | | sp | no | yes | amsmath |
| | \begin{split} | | | | | |
| Multline gap | \setlenght\multlinegap{0pt} | | gap | no | no | amsmath |
| | \end{multline*} | | | | | |
| | \begin{multline*} | ne*} *} ttlinegap{Opt} * * * * * * * * * * * * * | | | | |
| New multline | \end{multline} | | ml | no | yes | amsmath |
| | | | | | | |

| Lithir Letarion allow | \xrightarrow[bottom]{top} | rxi. | уеъ | ΙΙU | diiisiiid Lii |
|---|--------------------------------------|----------------|-------------------|----------------|---------------|
| | | | | | |
| | \cfrac{num}{ | | | | |
| | den | | | | |
| Continued fraction | } | cf | yes | no | amsmath |
| | \cfrac[num-alignment]{num}{ | | , | | |
| | den | | | | |
| | } | | | | |
| Boxed formula | | bx | yes | yes | amsmath |
| | {} | | | | |
| Fraction | {} | ff | yes | no | amsmath |
| | {} | | | | amsmath |
| | {} | | | | amsmath |
| Binomial coefficient | {} | bm | yes | no | amsmath |
| | {} | | | | 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 |
| Tidee material below | Limiting positions | bet | 763 | yes | amsma cri |
| Name | | Cninnat | Autooninnot | Visual | Dookogo |
| | Command | Snippet | Autosnippet | | Package |
| Above/below operator | \\limits | lim | yes | no | |
| Right of the operator | \nolimits | nli | yes | no | |
| | Relations | | | ı | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Congruence relation | \equiv | eq | yes | no | |
| | \equiv | | | | |
| Modular relation | \not\equiv | mod | V00 | | |
| | \equiv | illou | yes | no | amsmath |
| | \not\equiv | | | | amsmath |
| | \vartriangleleft | | | | |
| Left triangle | \ntriangleleft | sbg | yes | no | amssymb |
| | \vartriangleright | | | | |
| Right triangle | \ntriangleright | sgc | yes | no | amssymb |
| Not equal | \ne | ne | yes | no | |
| Relation negation | \not | nr | • | | |
| | | | yes | no | |
| Approx | \approx | арр | 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 | Po | ,,,, | | amssymb |
| Succedes | \succ | | | | |
| Succedes | \nsucc | sx | yes | no | amssymb |
| | \sim | | | | |
| Relation | \nsim | re | yes | no | amssymb |
| | Operators | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| | \DeclareMathOperator{cmd}{text} | 3.1.2 | | | - annugr |
| Define new operator | \DeclareMathOperator*{cmd}{text} | opr | no | no | amsmath |
| | \lceil \rceil | | | | |
| Ceiling | | ce | no | yes | |
| | \left\lceil \right\rceil | | | | |
| Floor | \lfloor \rfloor | fl | yes | yes | |
| | \left\lfloor \right\rfloor | | | , | |
| | | | | | |
| Square root | \sqrt[n-th]{} | sq | yes | yes | |
| | \sqrt[\leftroot{x}\uproot{y} n-th]{} | | | | amsmath |
| Imaginary part | \Im | imp | yes | no | |
| Real part | \Re | rpa | yes | no | |
| <u> </u> | \bmod | opm | yes | no | |
| Mod operator | | mp | yes | no | |
| <u> </u> | 1\mp | | , , , , , | | |
| Minus plus | \mp | | VAS | nn | |
| Minus plus Plus minus | \pm | pm | yes | no no | |
| Minus plus Plus minus Times | \pm \times | pm tm | yes | no | |
| Minus plus Plus minus Times Centered dot | \pm \times \cdot | pm tm cd | yes yes | no no | |
| Minus plus Plus minus Times Centered dot Circle | \pm \times \cdot \circ | pm tm cd | yes yes yes | no no no | |
| Minus plus Plus minus Times Centered dot | \pm \times \cdot | pm tm cd | yes yes | no no | |

| Middle bar | \mid | dv | yes | no | |
|--|--|---|--|---|---|
| | \max | | | | |
| Maximum | \max_{} | ×m | yes | no | |
| | \min | | | | |
| Minimum | | mυ | yes | no | |
| | \min_{} | | | | |
| Infimum | \inf | nf | yes | no | |
| 1111 11110111 | \inf_{} | | yes | 110 | |
| | \sup | | | | |
| Supremum | \sup_{} | sr | yes | no | |
| Argument | \arg | 000 | V00 | | |
| | | 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 | div | yes | no | esvect |
| Divergence | \nabla\cdot | uiv | yes | 110 | |
| | \nabla\times | | | | esvect |
| Curl | \nabla\times | cur | yes | no | |
| | | | | | |
| Bra | | ba | no | no | mathtools* |
| | \bra*{} | | | | |
| | | | | | |
| Ket | \ket*{} | kt | no | no | mathtools* |
| | | | | | |
| Braket | | bk | no | no | mathtools* |
| | \braket*{}{} | | | | |
| | Operators with limits | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| 12 | \\lim_{ \to} | 3 | | | |
| Limit | \lim | lm | yes | no | |
| | \liminf_{ \to} | | | | |
| liminf | | lif | yes | no | |
| | \liminf | | | | |
| limsup | \limsup_{ \to} | lsu | yes | no | |
| IIIIIsup | \Limsup | 230 | yes | 110 | |
| | | | | | |
| | \\varliminf_{ \to} | | | | |
| varliminf | \varliminf_{ \to} | lvf | yes | no | amsmath |
| varliminf | \varliminf | lvf | yes | no | amsmath |
| | \varliminf \varlimsup_{ \to} | lvf lvu | | no no | amsmath amsmath |
| varliminf varlimsup | \varliminf \varlimsup_{ \to} \varlimsup | | yes | | |
| | \varliminf \varlimsup_{ \to} | | | | |
| | \varliminf \varlimsup_{ \to} \varlimsup | | | | |
| varlimsup Name | \varliminf \varlimsup_{ \to} \varlimsup Functions Command | lvu | yes Autosnippet | no Visual | amsmath |
| varlimsup Name | \varliminf \varlimsup_{ \to} \varlimsup Functions Command fun : dom \longrightarrow cod | lvu | yes | no | amsmath Package |
| varlimsup Name | \varliminf \varlimsup_{ \to} \varlimsup Functions Command fun : dom \longrightarrow cod \begin{align*} | lvu | yes Autosnippet | no Visual | amsmath Package |
| varlimsup Name | \varliminf \varlimsup_{ \to} \varlimsup | lvu | yes Autosnippet | no Visual | amsmath Package |
| varlimsup Name Function domain and codomain | \varliminf \varlimsup_{ \to} \varlimsup Functions Command fun : dom \longrightarrow cod \begin{align*} | Snippet | yes Autosnippet yes | no Visual no | amsmath Package —— |
| varlimsup Name Function domain and codomain | \varliminf \varlimsup_{ \to} \varlimsup | Snippet | yes Autosnippet yes | no Visual no | amsmath Package —— |
| varlimsup Name Function domain and codomain | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet | yes Autosnippet yes | no Visual no | amsmath Package —— |
| varlimsup Name Function domain and codomain Function definition sin | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd | yes Autosnippet yes no yes | no Visual no no | amsmath Package —— amsmath |
| varlimsup Name Function domain and codomain Function definition sin cos | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co | Autosnippet yes no yes yes | no Visual no no no | amsmath Package amsmath |
| varlimsup Name Function domain and codomain Function definition sin cos tan | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn | Autosnippet yes no yes yes yes yes | no Visual no no no no no | amsmath Package amsmath |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot | Autosnippet yes no yes yes yes yes yes | no Visual no no no no no no no no | amsmath Package amsmath |
| varlimsup Name Function domain and codomain Function definition sin cos tan | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn | Autosnippet yes no yes yes yes yes | no Visual no no no no no | amsmath Package amsmath |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot | Autosnippet yes no yes yes yes yes yes | no Visual no no no no no no no no | amsmath Package amsmath |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot sec csc | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot sc | yes Autosnippet yes no yes yes yes yes yes yes yes yes | no Visual no no no no no no no no no n | amsmath Package amsmath |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot sec csc arcsin | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot sc cc asin | yes Autosnippet yes no yes | no Visual no no no no no no no no no n | amsmath Package amsmath |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot sc cc asin acos | yes Autosnippet yes no yes yes yes yes yes yes yes yes yes ye | no Visual no no no no no no no no no n | amsmath Package amsmath |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot sc cc asin acos atan | yes Autosnippet yes no yes yes yes yes yes yes yes yes yes ye | no Visual no no no no no no no no no n | amsmath Package amsmath |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot sc cc asin acos | yes Autosnippet yes no yes yes yes yes yes yes yes yes yes ye | no Visual no no no no no no no no no n | amsmath Package amsmath amsmath |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot sc cc asin acos atan | yes Autosnippet yes no yes yes yes yes yes yes yes yes yes ye | no Visual no no no no no no no no no n | amsmath Package amsmath |
| Varlimsup Name Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot sc cc asin acos atan acot | yes Autosnippet yes no yes yes yes yes yes yes yes yes yes ye | no Visual no no no no no no no no no n | amsmath Package amsmath |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec arcsec arcsec | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot sc cc asin acos atan acot asec acc | yes Autosnippet yes no yes yes yes yes yes yes yes yes yes ye | no Visual no no no no no no no no no n | amsmath Package amsmath amsmath* amsmath* amsmath* |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec arcsec arcsec sinh | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh | yes Autosnippet yes no yes yes yes yes yes yes yes yes yes ye | no Visual no no no no no no no no no n | amsmath Package amsmath amsmath* amsmath* amsmath* |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec arcsec arcsec sinh cosh | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot sc cc asin acos atan acot asec acc | yes Autosnippet yes no yes yes yes yes yes yes yes yes yes ye | no Visual no no no no no no no no no n | amsmath Package amsmath amsmath* amsmath* amsmath* |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec arcsec arcsec sinh | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh | yes Autosnippet yes no yes yes yes yes yes yes yes yes yes ye | no Visual no no no no no no no no no n | amsmath Package amsmath amsmath* amsmath* amsmath* |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec arcsec arcsec sinh cosh | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh | yes Autosnippet yes no yes yes yes yes yes yes yes yes yes ye | no Visual no no no no no no no no no n | amsmath Package amsmath amsmath* amsmath* amsmath* amsmath* |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec arcsec sinh cosh tanh coth | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh tanh | yes Autosnippet yes no yes yes yes yes yes yes yes yes yes ye | no Visual no no no no no no no no no n | amsmath Package amsmath amsmath* amsmath* amsmath* |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec sinh cosh tanh coth sech | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh tanh coth sh | yes Autosnippet yes no yes yes yes yes yes yes yes yes yes ye | no Visual no no no no no no no no no n | amsmath Package amsmath amsmath* amsmath* amsmath* amsmath* |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec sinh cosh tanh coth sech csch | \varlimsup_{\ldots} \to \ldots \t | Snippet fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh tanh coth sh | yes Autosnippet yes no yes yes yes yes yes yes yes yes yes ye | no Visual no no no no no no no no no n | amsmath Package amsmath amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* |
| varlimsup Name 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 | <pre>\varliminf \varlimsup_{ \to} \varlimsup</pre> | Snippet fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh tanh coth sh | yes Autosnippet yes no yes yes yes yes yes yes yes yes yes ye | no Visual no no no no no no no no no n | amsmath Package amsmath amsmath* amsmath* amsmath* amsmath* |
| varlimsup Name Function domain and codomain Function definition sin cos tan cot sec csc arcsin arccos arctan arccot arcsec arcsec sinh cosh tanh coth sech csch | \varlimsup_{\ldots} \to \ldots \t | Snippet fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh tanh coth sh | yes Autosnippet yes no yes yes yes yes yes yes yes yes yes ye | no Visual no no no no no no no no no n | amsmath Package amsmath amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* amsmath* |
| varlimsup Name 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 | \varlimsup_{\ldots \ldots \ldo | Snippet fn fd sni co tn ot sc cc asin acos atan acot asec acc sinh cosh tanh coth sh tanh ahsin | yes Autosnippet yes no yes yes yes yes yes yes yes yes yes ye | no Visual no no no no no no no no no n | amsmath Package —— amsmath amsmath* |

| arccoth | \arccoth | ahcot | yes | no | amsmath* |
|--|--|--|--|--|-----------------------------|
| arcsech | \arcsech | ahsec | yes | no | amsmath* |
| arccsch | \arccsch | ahcc | yes | no | amsmath* |
| exp | \exp | xn | ves | no | |
| · . | | | | | |
| | | | - | | |
| Tog | | Ly | yes | 110 | |
| | | | T | | Т |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Lower dots | \ldots | dd | yes | no | |
| Centered dots | \cdots | cr | yes | no | |
| Vertical dots | \vdots | | | | |
| | | | | | |
| - | | - | | | |
| | \colon | | yes | no | |
| Semicolon | i | sln | yes | no | |
| | Horizontal extensions | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Overline | | ovr | | ves | |
| Underline | | und | | - | |
| Seriosech Sancesch Sancesch | | - | | | |
| | | | | - | |
| Underbrace | | unb | yes | yes | |
| | Delimiters | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Parenthesis | \left(\right) | dp | yes | yes | |
| | | | | - | |
| | | | | - | |
| | | | | - | |
| Extensible braces | | QD | yes | yes | |
| Angle brackets | \left\langle \right\rangle | dk | ves | VAS | |
| Inigio brackets | \langle \rangle | un un | ,,,, | ,,,, | |
| | \left\lvert \right\rvert | | | | |
| Pipes | \lvert \rvert | da | yes | yes | amsmath |
| | | | | | |
| Double pipes | | dn | yes | yes | amsmath |
| | | | | | |
| | \big | | | | |
| Pig-g dolimitors | \Big | hia | Voc | no | |
| Big-g delimiters | \bigg | big | yes | 110 | |
| | \Bigg | | | | |
| | | | | | |
| Nama | | Spinnet | Autospinnet | Vicual | Packago |
| | | | | | |
| · | | | | | |
| Medium space | \: | mpi | yes | no | |
| Thick space | \; | mdn | yes | no | |
| Enskip | \enskip | enn | V00 | | |
| Quad | | 0p | yes | no | |
| | | | | | |
| Double guad | | qu | yes | no | |
| - | \qquad | qu | yes yes | no no | |
| Negative thin space | \dquad | qu qq thn | yes yes yes | no no no | |
| Negative thin space Negative medium space | \qquad \! \negmedspace | qu qq thn men | yes yes yes | no no no | |
| Negative thin space Negative medium space Negative thick space | \! \negmedspace \negthickspace | qu qq thn men | yes yes yes | no no no | |
| Negative thin space Negative medium space Negative thick space | \! \negmedspace \negthickspace | qu qq thn men tkn | yes yes yes yes yes | no no no | |
| Negative thin space Negative medium space Negative thick space Horizontal space | \! \negmedspace \negthickspace | qu qq thn men tkn | yes yes yes yes yes yes | no no no no | |
| Negative thin space Negative medium space Negative thick space Horizontal space | \! \negmedspace \negthickspace | qu qq thn men tkn | yes yes yes yes yes yes | no no no no no | |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space | \qquad \! \negmedspace \negthickspace Greek alphabet | qu qq thn men tkn hs | yes yes yes yes yes yes yes | no no no no no no | |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name | \qquad \! \negmedspace \negthickspace Greek alphabet Command | qu qq thn men tkn hs vs | yes yes yes yes yes yes Autosnippet | no no no no no no no | Package |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha | qu qq thn men tkn hs vs | yes yes yes yes yes yes yes Autosnippet yes | no no no no no no no visual | Package |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha Beta | \qquad \! \negmedspace \negthickspace Greek alphabet Command | qu qq thn men tkn hs vs | yes yes yes yes yes yes Autosnippet | no no no no no no no | Package |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha | qu qq thn men tkn hs vs | yes yes yes yes yes yes yes Autosnippet yes | no no no no no no no visual | Package |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha Beta | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha \beta | qu qq thn men tkn hs vs Snippet .a .b | yes | no no no no no no visual no no | Package |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha Beta Chi Uppercase delta | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha \beta \chi \Delta | qu qq thn men tkn hs vs Snippet .a .b .c .D | yes | no no no no no no visual no no no | Package |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha Beta Chi | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta | qu qq thn men tkn hs vs Snippet .a .b .c | yes | no no no no no no visual no no no | Package |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha Beta Chi Uppercase delta | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \delta \varepsilon | qu qq thn men tkn hs vs Snippet .a .b .c .D | yes | no no no no no no visual no no no | Package |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \vdelta \vdelta \varepsilon | Absec yes no amsmath* | | | |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma | qu qq thn men tkn hs vs Snippet .a .b .c .D .d | yes | no n | Package |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \vdelta \vdelta \varepsilon | qu qq thn men tkn hs vs Snippet .a .b .c .D .d .e | yes | no n | Package |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma | qu qq thn men tkn hs vs Snippet .a .b .c .D .d .e .6 | yes yes yes yes yes yes yes yes Autosnippet yes yes yes yes yes yes yes yes | no n | Package |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \vdelta \varepsilon \epsilon \Gamma \qamma \qamma \qamma | qu qq thn men tkn hs vs Snippet .a .b .c .D .d .e .e .G .g .h | yes | no n | Package |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Tota | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \qamma \qamma \qamma \qamma \leta \liota | qu qq thn men tkn hs vs Snippet .a .b .c .D .d .e .6 .g .h .i | yes | no n | |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Iota Kappa | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \qamma \qamma \teta \iota \kappa | qu qq thn men tkn hs vs Snippet .a .b .c .D .d .e .6 .g .h .i .k | yes | no n | |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Tota Kappa Uppercase lambda | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \qamma \qamma \eta \iota \kappa \Lambda | qu qq thn men tkn hs vs Snippet .a .b .c .D .d .e .6 .g .h .i .k .L | yes | no n | |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Iota Kappa | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \qamma \qamma \teta \iota \kappa | qu qq thn men tkn hs vs Snippet .a .b .c .D .d .e .6 .g .h .i .k | yes | no n | |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Tota Kappa Uppercase lambda | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \qamma \qamma \eta \iota \kappa \Lambda | qu qq thn men tkn hs vs Snippet .a .b .c .D .d .e .6 .g .h .i .k .L | yes | no n | |
| Negative thin space Negative medium space Negative thick space Horizontal space Vertical space Name Alpha Beta Chi Uppercase delta Lowercase delta Epsilon Uppercase gamma Lowercase delta Eta Tota Kappa Uppercase lambda Lowercase lambda | \qquad \! \negmedspace \negthickspace Greek alphabet Command \alpha \beta \chi \Delta \delta \varepsilon \epsilon \Gamma \qamma \qamma \eta \iota \kappa \Lambda \Lambda \Lambda | qu qq thn men tkn hs vs Snippet .a .b .c .D .d .e .6 .9 .h .i .k .Ll | yes | no n | |

| Uppercase omega | \Omega | .0 | yes | no | |
|--|-----------------------|---------|-------------|--------|----------|
| Lowercase omega | \omega | .0 | yes | no | |
| Uppercase phi | \Phi | . Ph | yes | no | |
| The state of the s | \phi | | , | | |
| Lowercase phi | | .ph | yes | no | |
| | \varphi | 5. | | | |
| 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 | | no | |
| | | | yes | | |
| 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 | | no | |
| | Letter-shaped symbols | | yes | 110 | |
| M | | Co. to | Automi | V2 3 | D1 |
| 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 | |
| 90001011 07111201 | | | 700 | | |
| N | Accents | 0 | A | W:1 | Dealer |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| | | | | | |
| Dot accent | | dr | yes | yes | |
| Bot doctio | | ui | ,,,, | ,,,, | amsmath |
| | | | | | amsmath |
| | | | | | |
| Hat | | ht | yes | yes | |
| Math ring | | nna | VAC | VOC | |
| nacii i iiiy | | rng | yes | yes | |
| Tilde | | til | yes | yes | |
| | | | · · | , | |
| Vector | | vv | VCC | po. | esvect |
| 100.001 | | V V | yes | no | |
| | 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 |
| 1 | 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 | |
| | \emptyset | | , | | |
| Empty set | varnothing | vc | yes | no | amssymb |
| U | | | | | |
| 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 on equals | \subseteq | | | | |
| Subset or equals | \nsubseteq | sbq | yes | no | amssymb |
| Contains | \supset | sps | yes | no | |
| | | | , | | |
| 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 | 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_{} | ssm | yes | no | |
| Definite sum | \sum_{}^{} | nsm | yes | no | |
| Subscript o-sum | \bigoplus_{} | sosm | yes | no | |
| · · · · · · · · · · · · · · · · · · · | | | | | |
| Definite o-sum | \bigoplus_{}^{} | nosm | yes | no | |
| | Products | _ | 1 | 1 | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Subscript product | \prod_{} | suc | yes | no | |
| Definite product | \prod_{}^{} | nuc | yes | no | |
| Subscript o-times | \bigotimes_{} | SOUC | yes | no | |
| Definite o-times | \bigotimes_{}^{} | nouc | yes | no | |
| Definite o cimes | | 11000 | yes | 110 | |
| | Derivatives | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Differential | \dx | df | yes | no | amsmath* |
| Danivativa | \der{func}{var} | | | | |
| Derivative | \Der{func}{var} | der | yes | no | amsmath* |
| | \ndr{n}{func}{var} | | | | |
| n-th derivative | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | ndr | yes | no | amsmath* |
| | - | | | | |
| partial derivative | \pdr{func}{var} | pdr | yes | no | * |
| | \Pdr{func}{var} | | , | - | |
| n-th partial derivative | \npd{n}{func}{var} | nnd | Voc | 200 | * |
| in on har crar delivative | \Npd{n}{func}{var} | - npd | yes | no | |
| Derivative evaluation | | evl | yes | no | amsmath* |
| | Integrals | | , , , , | I | |
| Nome | | Cninn-L | Automiant | Vious1 | Poolsoss |
| Name | Command | Snippet | Autosnippet | Visual | Package |
| Integral | \int | itn | yes | no | |
| | \oint | = | , | | |
| Cubint internal | \int_{} | | | | |
| Subscript integral | \oint_{} | its | yes | no | |
| Definite integral | \int_{}^{} | itd | yes | no | |
| 55. Ini vo Invograi | \int \(\(\text{int} \) | 1.0 | , | 110 | |
| Double integral | | itbn | yes | no | amsmath |
| - | \oiint | | | | esint |
| Double integral subscript | \iint_{} | - itbs | Voc | no | amsmath |
| pounte incediat annacuthr | \oiint_{} | TUS | yes | 110 | esint |
| | \iiint | | | | amsmath |
| Triple integral | \oiint | ittn | yes | no | txfonts |
| | | | | | |
| Triple integral subscript | \iiint_{} | itts | yes | no | amsmath |
| | \oiiint_{} | | | | txfonts |
| | | | | | |

| Quadruple integral | \iiint | 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 citation | IS | | | | |
| | Citations | | | | | |
| Name | Command | Snippet | Autosnippet | Visual | Package | |
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| Year citation | \citeyear{key-list} \citeyearpar{key-list} | yec | no | no | natbib | |
| | \citeyearpar{key-list} Bibliography | | | | | |
| Name | | Chinnet | * .tsoninnot | Vi ouol | Package | |
| | Command | Snippet | Autosnippet | Visual | Package | |
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| Preamble macros | |
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| Operators | |
| Code | Package |
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| \DeclarePairedDelimiter\ket{\lvert}{\rangle} | mathtools |
| \DeclarePairedDelimiterX\braket[2]{\langle}{\rangle}{#1\delimsize\vert#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 |