

L^AT_EX Command Summary

This listing contains short descriptions of the control sequences that are likely to be handy for users of L^AT_EX v2.09 layered on T_EX v2.0. Some of these commands are L^AT_EX macros, while others belong to plain T_EX; no attempt to differentiate them is made.

`\_` — ordinary space after period.
`\!` — negative thin space = $-\frac{1}{6}$ quad; `xx\!x` yields *xx x* (math mode).
`\"` makes an umlaut, as ö.
`\#` prints a pound sign: #.
`\$` prints a dollar sign: \$.
`\%` prints a percent sign: %.
`\&` prints an ampersand: &.
`\'` in `tabbing` environment moves current column to the right of the previous column. Elsewhere, acute accent, as ó.
`\(` — start math mode. Same as `\begin{math}` or \$.
`\)` — end math mode. Same as `\end{math}` or \$.
`\*` is a discretionary multiplication sign, at which a line break is allowed.
`\+` moves left margin to the right by one tab stop. Begin tabbed line.
`\,` — thin space = $\frac{1}{6}$ quad; `xx\,x` yields *xx x*. It is not restricted to math mode.
`\-` in `tabbing` environment, moves left margin to the left by one tab stop. Elsewhere, optional hyphenation.
`\.` puts a dot accent over a letter, as ô.
`\/` inserts italics adjustment space.
`\:` — medium space = $\frac{2}{9}$ quad; `xx\:x` yields *xx x* (math mode).
`\;` — thick space = $\frac{5}{18}$ quad; `xx\;x` yields *xx x* (math mode).
`\<` in `tabbing` environment, puts text to left of local left margin.
`\=` in `tabbing` environment, sets a tab stop. Elsewhere, makes a macron accent, as ô.
`\>` in `tabbing` environment is a forward tab. Otherwise, medium space = $\frac{2}{9}$ quad (math mode).
`\@` declares the period that follows is to be a sentence-ending period.
`\[` — same as `\begin{displaymath}` or \$\$.
`\]` terminates a line.

`\]` terminates a line, but disallows a pagebreak.
`\]` — same as `\end{displaymath}` or \$\$.
`\^` makes a circumflex, as ô.
`\_` is an underscore, as in *hours_worked*.
`\'` in `tabbing` environment moves all text which follows (up to `\)` to the right margin. Elsewhere, grave accent , as ò.
`\{` prints a curly left brace: {.
`\|` is || (math mode).
`\}` prints a curly right brace: }.
`\~` makes a tilde, as ñ.
`\a'` makes an acute accent in `tabbing` environment, as ó.
`\a'` makes a grave accent in `tabbing` environment, as ò.
`\a=` makes a macron accent in `tabbing` environment, as ô.
`\aa` is å. `\AA` is Å.
`\acute` makes an acute accent: á (math mode).
`\addcontentsline{toc}{section}{name}` adds the command `\contentsline{section}{name}` to the .toc file.
`\address{text}` declares the return address in the `letter` document style.
`\addtocontents{toc}{text}` writes `text` to the .toc file.
`\addtocounter{name}{amount}` adds `amount` to counter `name`.
`\addtolength{nl}{length}` adds `length` to length command `nl`. See also `\setlength`, `\newlength`, `\settowidth`.
`\ae` is æ. `\AE` is Æ.
`\aleph` is ℵ (math mode).
`\alph{counter}` prints `counter` as lower-case letters. `\Alph{counter}` prints upper-case letters.
`\alpha` is α (math mode).
`\amalg` is II (math mode).
`\and` separates multiple authors for the `\maketitle` command.
`\angle` is ∠ (math mode).
`\appendix` starts appendices.
`\approx` is ≈ (math mode).
`\arabic{counter}` prints `counter` as arabic numerals 1, 2, etc.
`\arccos` is arccos (math mode).
`\arcsin` is arcsin (math mode).

- `\arctan` is $\arctan$ (math mode).
- `\arg` is $\arg$ (math mode).
- `\arraycolsep` — width of the space between columns in an `array` environment.
- `\arrayrulewidth` — width of the rule created in `tabular` or `array` environment by `|`, `\hline`, or `\vline`.
- `\arraystretch` — scale factor for interrow spacing in `array` and `tabular` environments.
- `\ast` is $*$ (math mode).
- `\asymp` is $\asymp$ (math mode).
- `\author{names}` declares author(s) for the `\maketitle` command.
- `\b` is a “bar-under” accent, as $\bar{o}$.
- `\backslash` is $\backslash$ (math mode).
- `\bar` puts a macron over a letter: $\bar{a}$ (math mode).
- `\baselineskip` — distance from bottom of one line of a paragraph to bottom of the next line.
- `\baselinestretch` — factor by which `\baselineskip` is multiplied each time a type size changing command is executed.
- `\begin{environment}` — always paired with `\end{environment}`. Following are the assorted environments.
- `\begin{abstract}` starts an environment for producing an abstract.
- `\begin{array}{lrc}` starts `array` environment with 3 columns, left-justified, right-justified, and centered. Separate columns with `&`, and end lines with `\\`. `@{text}` between `l`, `r` or `c` arguments puts `text` between columns.
- `\begin{center}` starts an environment in which every line is centered. End lines with `\\`.
- `\begin{description}` starts a labeled list. Items are indicated by `\item[label]`.
- `\begin{displaymath}` sets mathematics on lines of its own. Same as `\[` or `$$`.
- `\begin{document}` starts the actual text of a document. Required.
- `\begin{enumerate}` starts a numbered list.
- `\begin{eqnarray}` starts a `displaymath` environment in which more than one equation can be accommodated. Separate equations with `\\` or `\\*`; use `\nonumber` to suppress numbering a particular equation.
- `\begin{eqnarray*}` begins an environment like the `eqnarray` environment except that the equations aren’t numbered.
- `\begin{equation}` starts a `displaymath` environment and adds an equation number.
- `\begin{figure}[pos]` begins a floating environment, which may be optionally placed at `pos` (see `positions` on page 8). Document styles `report` and `article` use the default `tbp`.
- `\begin{figure*}[pos]` begins a two-column-wide figure. See `\begin{figure}`.
- `\begin{flushleft}` starts environment with ragged right-hand margin. Separate lines with `\\`. See `\raggedright`.
- `\begin{flushright}` starts environment with ragged left-hand margin. Separate lines with `\\`. See `\raggedleft`.
- `\begin{itemize}` starts a “bulleted” ($\bullet$) list. Start each item with `\item`.
- `\begin{list}{labeling}{spacing}` starts a general list environment. `labeling` specifies how items are labeled when `\item` has no argument. `spacing` is an optional list of spacing parameters.
- `\begin{math}` starts a math display like this: $x^2 + y^2$, within text. Same as `$` or `\(`.
- `\begin{minipage}[pos]{vsize}` starts a box of height `vsize`. Text will be positioned according to `pos` (see `positions` on page 8).
- `\begin{picture}(x,y)(x_l,y_l)` starts a picture environment whose width is x units, height is y units, and lower-left corner is the point (x_l, y_l) . Set units with `\unitlength`.
- `\begin{quotation}` starts an environment with wider margins, normal paragraph indenting, and offset from the text at top and bottom.
- `\begin{quote}` starts an environment with wider margins, no paragraph indenting, and offset from the text at top and bottom.
- `\begin{tabbing}` starts a columnar environment. Use commands `\=` (set tab), `\>` (tab), `\<` (backtab), `\+` (indent one tab stop), `\-` (outdent one tab stop), `\'` (flush right), `\'` (flush left), `\pushtabs`, `\poptabs`, `\kill`, `\\`.
- `\begin{table}[pos]` begins a floating environment, which may be optionally placed at `pos` (see `positions` on page 8). Document styles `report` and `article` use the default `tbp`.
- `\begin{table*}[pos]` begins a two-column-wide table. See `\begin{table}`.
- `\begin{tabular}{arg}` starts an `array` environment which can be used in or out of math mode. `arg` contains column text positioning commands `r`, `l`, `c`, `@{...}`, `p{length}` (see `positions` on page 8). `|` produces vertical line between columns. `*{7}{r|l|}` repeats that entry 7 times.

- `\begin{theorem}` — see `\newtheorem`.
- `\begin{titlepage}` is an environment with no page number, and causes following page to be numbered “1”.
- `\begin{verbatim}` starts an environment which will be typeset exactly as you type it, carriage returns and all, usually in `typewriter` font.
- `\begin{verse}` starts an environment for poetry with wider margins, no paragraph indenting, and ragged right margin.
- `\beta` is β (math mode).
- `\bf` switches to **bold face** type.
- `\bibitem{ref}` `text` creates a bibliography entry `text`, numbers it, and labels it with reference label `ref`.
- `\bibliography{file}` — insert bibliography from file `name.bib` at this point in text.
- `\bibliographystyle{style}` — a format specifier, like `\documentstyle`.
- `\bigcap` is $\bigcap$ (math mode).
- `\bigcirc` is $\bigcirc$ (math mode).
- `\bigcup` is $\bigcup$ (math mode).
- `\bigodot` is $\bigodot$ (math mode).
- `\bigoplus` is $\bigoplus$ (math mode).
- `\bigotimes` is $\bigotimes$ (math mode).
- `\bigtriangledown` is $\bigtriangledown$ (math mode).
- `\bigtriangleup` is $\bigtriangleup$ (math mode).
- `\bigskip` — standard “big” vertical skip.
- `\bigskipamount` — default length for `\bigskip`.
- `\bigsqcup` is $\bigsqcup$ (math mode).
- `\biguplus` is $\biguplus$ (math mode).
- `\bigvee` is $\bigvee$ (math mode).
- `\bigwedge` is $\bigwedge$ (math mode).
- `\bmod` is binary modulo expression $u \bmod m$ (math mode).
- `\boldmath` changes math italics and math symbols to boldface. Should be used *outside* of math mode.
- `\bot` is $\perp$ (math mode).
- `\bottomfraction` — maximum fraction of page occupied by floats at the bottom.
- `\bowtie` is $\bowtie$ (math mode).
- `\Box` is $\square$ (math mode).
- `\breve` makes a breve accent: $\breve{a}$ (math mode).
- `\bullet` is $\bullet$ (math mode).
- `\c` is a cedilla, as $\c{c}$.
- `\cal` produces calligraphic letters, as $\mathcal{B}$ (math mode).
- `\cap` is $\cap$ (math mode).
- `\caption[loftitle]{text}` creates a numbered caption in a `figure` or `table` environment. Optional `loftitle` contains entry for the list of figures if different from `text`.
- `\cc{text}` declares list of copy recipients for `letter` document style.
- `\cdot` is $\cdot$ (math mode).
- `\cdots` makes three dots centered on the line: $\cdots$ (cf. `\ldots`) (math mode).
- `\centering` declares that all text following is to be centered (cf. `\begin{center}`).
- `\chapter[toctitle]{text}` begins a new section, automatically headed and numbered. Optional `toctitle` contains entry for the table of contents if different from `text`.
- `\chapter*{title}` is like `\chapter{title}`, but adds no chapter number or table of contents entry.
- `\check` makes a háček, as $\check{a}$ (math mode).
- `\chi` is χ (math mode).
- `\circ` is $\circ$ (math mode).
- `\circle{diameter}` as a valid argument for `\put` in a `picture` environment, draws a circle.
- `\circle*{diameter}` is like `\circle`, but draws a solid circle.
- `\cite[subcit]{ref}` produces a reference, in square brackets, to a bibliographic item created with `\bibitem{ref}`. Optional sub-citation `subcit` can be inserted in the entry.
- `\cleardoublepage` forces next page to be a right-hand, odd-numbered page.
- `\clearpage` ends a page where it is, and puts pending figures or tables on separate float pages with no text.
- `\cline{i-j}` draws a horizontal line across columns i through j inclusive in `array` or `tabular` environments.
- `\closing{text}` declares the closing in `letter` document style.
- `\clubsuit` is $\clubsuit$ (math mode).
- `\columnsep` — distance between columns in two-column text.
- `\columnseprule` — width of the rule between columns on two-column pages.
- `\columnwidth` — width of the current column. Equals `\textwidth` in single-column text.
- `\cong` is $\cong$ (math mode).
- `\coprod` is $\coprod$ (math mode).

<code>\copyright</code> is ©.	<code>\documentstyle[substy]{sty}</code> determines default font, headings, etc., for document of style <code>sty</code> (and optional substyle <code>substy</code>). Styles: <code>article</code> , <code>book</code> , <code>letter</code> , <code>report</code> , <code>slides</code> . Substyles: <code>11pt</code> , <code>12pt</code> , <code>acm</code> , <code>draft</code> , <code>fleqn</code> , <code>leqno</code> , <code>twocolumn</code> , <code>twoside</code> .
<code>\cos</code> is $\cos$ (math mode).	<code>\dot</code> makes a dot over a letter: $\dot{a}$ (math mode).
<code>\cosh</code> is $\cosh$ (math mode).	<code>\doteq</code> is $\doteq$ (math mode).
<code>\cot</code> is $\cot$ (math mode).	<code>\dotfill</code> expands to fill horizontal space with row of dots.
<code>\coth</code> is $\coth$ (math mode).	<code>\doublerulesep</code> — horizontal distance between vertical rules created by <code> </code> in <code>tabular</code> or <code>array</code> environment.
<code>\csc</code> is $\csc$ (math mode).	<code>\downarrow</code> is $\downarrow$. <code>\Downarrow</code> is $\Downarrow$ (math mode).
<code>\cup</code> is $\cup$ (math mode).	<code>\ell</code> is ℓ (math mode).
<code>\d</code> is a “dot under” accent, as ϕ .	<code>\em</code> toggles between roman and <i>italic</i> fonts for <i>emphasis</i> .
<code>\dag</code> is $\dagger$.	<code>\emptyset</code> is $\emptyset$ (math mode).
<code>\dagger</code> is $\dagger$ (math mode).	<code>\enclose{text}</code> declares a list of enclosures for <code>letter</code> document style.
<code>\dashbox{dwid}(width,height)[pos]{text}</code> creates a dashed rectangle around <code>text</code> in a <code>picture</code> environment. Dashes are <code>dwid</code> units wide; dimensions of rectangle are <code>width</code> and <code>height</code> ; <code>text</code> is positioned at optional <code>pos</code> (see <code>positions</code> on page 8).	<code>\end{environment}</code> ends an environment begun by <code>\begin{environment}</code> (q.v.).
<code>\dashv</code> is $\dashv$ (math mode).	<code>\epsilon</code> is ϵ (math mode).
<code>\date{adate}</code> declares the date for the <code>\maketitle</code> command. The default is <code>\today</code> .	<code>\equiv</code> is $\equiv$ (math mode).
<code>\day</code> — current day of the month.	<code>\eta</code> is η (math mode).
<code>\dblfloatpagefraction</code> — minimum fraction of a float page that must be occupied by floats, for two-column float pages.	<code>\evensidemargin</code> — distance between left side of page and text’s normal left margin, for even-numbered pages in two-sided printing.
<code>\dblfloatsep</code> — distance between floats at the top or bottom of a two-column float page.	<code>\exists</code> is $\exists$ (math mode).
<code>\dbltextfloatsep</code> — distance between double-width floats at the top or bottom of a two-column page and the text on that page.	<code>\exp</code> is $\exp$ (math mode).
<code>\dbltopfraction</code> — maximum fraction at the top of a two-column page that may be occupied by floats.	<code>\fbox{text}</code> makes a framed box around <code>text</code> .
<code>\ddag</code> is $\ddagger$.	<code>\fboxrule</code> — thickness of ruled frame for <code>\fbox</code> and <code>\framebox</code> .
<code>\ddagger</code> is $\ddagger$ (math mode).	<code>\fboxsep</code> — space between frame and text for <code>\fbox</code> and <code>\framebox</code> .
<code>\ddot</code> makes a dieresis over a letter: $\ddot{a}$ (math mode).	<code>\fill</code> — rubber length (glue) that can stretch to arbitrary length. Usually used to justify text a particular way.
<code>\ddots</code> produces a diagonal ellipsis $\ddots$ (math mode).	<code>\flat</code> is $\flat$ (math mode).
<code>\deg</code> is $\deg$ (math mode).	<code>\floatpagefraction</code> — minimum fraction of a float page occupied by floats.
<code>\delta</code> is δ . <code>\Delta</code> is Δ (math mode).	<code>\floatsep</code> — distance between floats that appear at the top or bottom of a text page.
<code>\det</code> is $\det$ (math mode).	<code>\flushbottom</code> causes pages to be stretched to <code>\textheight</code> .
<code>\diamond</code> is $\diamond$. <code>\Diamond</code> is $\Diamond$ (both math mode).	<code>\fnsymbol{counter}</code> prints <code>counter</code> as one of the set of “footnote symbols”. <code>counter</code> must be less than 10.
<code>\diamondsuit</code> is $\diamondsuit$ (math mode).	
<code>\dim</code> is $\dim$ (math mode).	
<code>\displaystyle</code> switches to <code>displaymath</code> or <code>equation</code> environment typesetting (math mode).	
<code>\div</code> is $\div$ (math mode).	

- `\footheight` — height of box at bottom of page that holds page number.
- `\footnote{text}` creates a footnote of `text`.
- `\footnotemark` puts a footnote number into the text.
- `\footnotesep` — height of strut placed at beginning of footnote.
- `\footnotesize` switches to footnote-sized type.
- `\footskip` — vertical distance between bottom of last line of text and bottom of page footing.
- `\footnotetext{text}` specifies the text for a footnote which was indicated by a `\footnotemark`.
- `\forall` is $\forall$ (math mode).
- `\frac{numerator}{denominator}` produces a fraction in math environments.
- `\frame{text}` makes a framed (outlined) box around `text`, with no margin between the text and the frame.
- `\framebox[size][pos]{text}` produces a framed box of dimension `size` containing `text`, optionally positioned `l` or `r`.
In picture environment,
`\framebox(width,height)[pos]{text}` creates a rectangle around `text`; dimensions of rectangle are `width` and `height`; text is positioned at optional `pos` (see `positions` on page 8).
- `\frown` is $\frown$ (math mode).
- `\fussy` is the default declaration for the line-breaking algorithm (cf. `\sloppy`).
- `\gamma` is γ . `\Gamma` is Γ (math mode).
- `\gcd` is $\gcd$ (math mode).
- `\ge` is $\geq$ (math mode).
- `\geq` is $\geq$ (math mode).
- `\gets` is $\leftarrow$ (math mode).
- `\gg` is $\gg$ (math mode).
- `\glossary{text}` appends `text` to the `.glo` file by writing a `\glossaryentry` command.
- `\glossaryentry{text}{ref}` is written to the `.glo` file for `\glossary{text}` occurring at reference `ref`.
- `\grave` makes a grave accent: $\grave{a}$ (math mode).
- `\H` prints a long Hungarian umlaut, as $\ddot{o}$.
- `\hat` makes a circumflex: $\hat{a}$ (math mode).
- `\hbar` is $\hbar$ (math mode).
- `\headheight` — height of box at top of page that holds running head.
- `\headsep` — vertical distance between bottom of head and top of text.
- `\heartsuit` is $\heartsuit$ (math mode).
- `\hfill` is `\hspace{\fill}` (cf. `\fill`).
- `\hline` draws a horizontal line across all columns of a `tabular` or `array` environment.
- `\hom` is $\hom$ (math mode).
- `\hookleftarrow` is $\hookleftarrow$ (math mode).
- `\hookrightarrow` is $\hookrightarrow$ (math mode).
- `\hrulefill` expands to fill horizontal space with horizontal rule.
- `\hspace{len}` leaves a horizontal space of dimension `len`.
- `\hspace*{len}` is like `\hspace{len}` but space is not removed at the beginning or end of a line.
- `\huge` switches to a very large typeface. `\Huge` is even bigger.
- `\hyphenation{wordlist}` declares hyphenation as indicated; `wordlist` contains words separated by spaces, with hyphens indicated (e.g. “aard-vark cal-i-bra-tion”).
- `\i` is *i*.
- `\iff` is $\iff$ (math mode).
- `\Im` is $\Im$ (math mode).
- `\imath` is $\imath$ (math mode).
- `\in` is $\in$ (math mode).
- `\include{filename}` brings in `filename` text at that point.
- `\includeonly{file1,file2,...}` limits recognition of `\include` files.
- `\index{text}` appends `text` to the `.idx` file by writing an `\indexentry` command.
- `\indexentry{text}{ref}` is written to the `.idx` file for `\index{text}` occurring at reference `ref`.
- `\indexspace` puts blank space before first index entry starting with a new letter.
- `\inf` is $\inf$ (math mode).
- `\infty` is ∞ (math mode).
- `\input{file}` brings in text from `file.tex` at that point.
- `\int` is $\int$ (math mode).
- `\intextsep` — vertical space placed above and below float in middle of text.
- `\iota` is ι (math mode).
- `\it` switches to *Italic* type.
- `\item[text]` indicates a list entry. `text` is optional, used in `description` environment.

- `\itemindent` — extra indentation before label in list item. Default is 0mm.
- `\itemsep` — vertical space between successive list items.
- `\j` is j .
- `\jmath` is j (math mode).
- `\Join` is $\Join$ (math mode).
- `\kappa` is κ (math mode).
- `\ker` is $\ker$ (math mode).
- `\kill` — in a `\tabbing` environment, deletes previous line so tabs can be set without outputting text.
- `\l` is l . `\L` is L .
- `\label{text}` provides a reference point that is accessed with `\ref{text}` or `\pageref{text}`.
- `\labelwidth` — width of box containing list item label.
- `\labelsep` — space between box containing list item label and text of the item.
- `\lambda` is λ . `\Lambda` is Λ (math mode).
- `\land` is $\wedge$ (math mode).
- `\langle` is $\langle$ (math mode).
- `\large`, `\Large`, and `\LARGE` switch to successively larger than `\normalsize` type sizes.
- `\LaTeX` produces the L^AT_EX logo.
- `\lbrace` is $\{$ (math mode).
- `\lbrack` is $[$ (math mode).
- `\lceil` is $\lceil$ (math mode).
- `\ldots` makes three dots at the base of the line: ... (cf. `\cdots`).
- `\le` is $\leq$ (math mode).
- `\leadsto` is $\leadsto$ (math mode).
- `\left*` (where `*` is a delimiter) must be paired with `\right*` (not necessarily using the same delimiter). ‘.’ acts as a null delimiter (math mode).
- `\leftarrow` is $\leftarrow$. `\Leftarrow` is $\Leftarrow$ (math mode).
- `\lefteqn{formula}` is used in the `eqnarray` environment to break a long `formula` across lines.
- `\leftharpoonup` is $\leftharpoonup$ (math mode).
- `\leftharpoonup` is $\leftharpoonup$ (math mode).
- `\leftmargin`, in `list` environment, horizontal distance between left margin of enclosing environment and left margin of list. Settable for nesting levels 1 through 6, as `\leftmargini` through `\leftmarginvi`.
- `\leftrightarrow` is $\leftrightarrow$. `\Leftrightarrow` is $\Leftrightarrow$ (math mode).
- `\leq` is $\leq$ (math mode).
- `\lfloor` is $\lfloor$ (math mode).
- `\lg` is $\lg$ (math mode).
- `\lhd` is $\lhd$ (math mode).
- `\lim` is $\lim$ (math mode).
- `\liminf` is $\liminf$ (math mode).
- `\limsup` is $\limsup$ (math mode).
- `\line(x,y){len}` in `picture` environment, in `\put` command, draws line from `\put` argument with length `len` and slope `(x,y)`.
- `\linebreak[n]` forces a line to break exactly at this point, and adjusts line just terminated (cf. `\newpage`). `n` is optional: 0 is an optional break, 4 is a mandatory break, 1, 2 and 3 are intermediate levels of insistence.
- `\linethickness{dimen}` sets the thickness for all lines in a `picture`.
- `\linewidth` is the width of the current line in a paragraph.
- `\listoffigures` begins a list of figures with heading.
- `\listoftables` begins a list of tables with heading.
- `\listparindent` — extra indentation added to first line of every paragraph of an item after the first, in `list` environment.
- `\ll` is $\ll$ (math mode).
- `\ln` is $\ln$ (math mode).
- `\lnot` is $\neg$ (math mode).
- `\log` is $\log$ (math mode).
- `\longleftarrow` is $\longleftarrow$. `\Longleftarrow` is $\Longleftarrow$ (math mode).
- `\longleftrightarrow` is $\longleftrightarrow$. `\Longleftrightarrow` is $\Longleftrightarrow$ (math mode).
- `\longmapsto` is $\longmapsto$ (math mode).
- `\longrightarrow` is $\longrightarrow$. `\Longrightarrow` is $\Longrightarrow$ (math mode).
- `\lor` is $\vee$ (math mode).
- `\lq` is a left-quote: ‘.
- `\makebox[size][pos]{text}` creates a box of dimension `size` containing `text` at optional `pos`. `\makebox(width,height)[pos]{text}` puts `text` in a box; dimensions of box are `width` and `height`; `text` is positioned at optional `pos` (see `positions` on page 8).
- `\makeglossary` enables writing of `\glossaryentry` commands to a `.glo` file.

- `\makeindex` enables writing of `\indexentry` commands to a `.idx` file.
- `\maketitle` produces a title with `\title`, `\author`, and, optionally, `\date`.
- `\mapsto` is $\mapsto$ (math mode).
- `\marginpar{text}` puts `text` in the margin as a note.
- `\marginparpush` — minimum amount of vertical space between two marginal notes.
- `\marginparsep` — horizontal space between margin and marginal note.
- `\marginparwidth` — width of a marginal note.
- `\markboth{lhs}{rhs}` defines the left-hand heading `lhs` and the right-hand heading `rhs` for the `headings` and `myheadings` page styles.
- `\markright{rhs}` defines the right-hand heading `rhs` for the `headings` and `myheadings` page styles.
- `\max` is $\max$ (math mode).
- `\mbox{text}` places `text` into a horizontal box.
- `\medskip` — standard “medium” vertical skip.
- `\medskipamount` — default length for `\medskip`.
- `\mho` is $\mathcal{U}$ (math mode).
- `\mid` is $|$ (math mode).
- `\min` is $\min$ (math mode).
- `\mit` is “math italic” as in II (math mode).
- `\models` is $\models$ (math mode).
- `\month` — current month of the year.
- `\mp` is $\mp$ (math mode).
- `\mu` is μ (math mode).
- `\multicolumn{noc}{fmt}{text}` in `tabular` environment puts `text` across `noc` columns using positioning format `fmt` (`c`, `r`, `l`, and/or `|`).
- `\multiput(x,y)(\Delta x,\Delta y){n}{obj}` is
`\put(x,y){obj}`
`\put(x+\Delta x,y+\Delta y){obj}`
`...`
`\put(x+(n-1)\Delta x,y+(n-1)\Delta y){obj}`.
- `\nabla` is ∇ (math mode).
- `\natural` is $\natural$ (math mode).
- `\ne` is $\neq$ (math mode).
- `\nearrow` is $\nearrow$ (math mode).
- `\neg` is $\neg$ (math mode).
- `\neq` is $\neq$ (math mode).
- `\newcommand{\cs}[narg]{def}` defines a new control sequence `\cs` with definition `def`.
 Optionally, `narg` is the number of arguments, indicated in `def` as `#1`, `#2`, etc.
- `\newcounter{counter}[name]` defines a `counter` optionally to be zeroed whenever the `name` counter is incremented.
- `\newenvironment{envname}[narg]{def1}{def2}` defines a new environment, optionally with some number of arguments `narg`. `def1` is executed when the environment is entered and `def2` is executed when it is exited.
- `\newfont{cs}{name}` defines a control sequence `\cs` that chooses the font `name`.
- `\newlength{nl}` sets up `\nl` as a length of 0in. See also `\setlength`, `\addtolength`, `\settowidth`.
- `\newline` breaks a line right where it is, with no stretching of terminated line (cf. `\linebreak`).
- `\newpage` ends a page where it appears. (cf. `\clearpage`).
- `\newsavebox{\binname}` declares a new bin to hold a `\savebox`.
- `\newtheorem{env}[env2]{label}[sectyp]` defines a new theorem environment `env` (optionally with the same numbering scheme as environment `env2`) with labels `label`.
 Optionally, theorem numbers can be related to document section `sectyp`.
- `\ni` is $\ni$ (math mode).
- `\nofiles` suppresses writing of auxiliary files `.idx`, `.toc`, etc.
- `\noindent` suppresses indentation of first line of paragraph.
- `\nolinebreak[n]` prevents a line break at that point (cf. `\linebreak` on page 6).
- `\nonumber` is used in an `eqnarray` environment to suppress equation numbering.
- `\nopagebreak[n]` prevents a page break at that point (cf. `\linebreak` on page 6).
- `\normalmarginpar` is default declaration for placement of marginal notes (cf. `\reversemarginpar`).
- `\normalsize` is the default type size for the document.
- `\not` puts a slash through a relational operator:
`\not=` is $\neq$ (math mode).
- `\notin` is $\notin$ (math mode).
- `\nu` is ν (math mode).
- `\nwarrow` is $\nwarrow$ (math mode).
- `\o` is $\emptyset$. `\O` is $\emptyset$.
- `\obeycr` makes embedded carriage returns act like line terminators.

`\oddsidemargin` — distance between left side of page and text’s normal left margin.

`\odot` is $\odot$ (math mode).

`\oe` is œ . `\OE` is Œ .

`\oint` is $\oint$ (math mode).

`\omega` is ω . `\Omega` is Ω (math mode).

`\ominus` is $\ominus$ (math mode).

`\onecolumn` sets text in single column (default) (cf. `\twocolumn`).

`\opening{text}` declares an opening for `letter` document style.

`\oplus` is $\oplus$ (math mode).

`\oslash` is $\oslash$ (math mode).

`\otimes` is $\otimes$ (math mode).

`\oval(x,y)` as an argument to `\put` draws an oval x units wide and y units high.

`\overbrace{text}` gives $\overbrace{\text{text}}$ (math mode).

`\overline{text}` gives $\overline{\text{text}}$ (math mode).

`\owns` is $\ni$ (math mode).

`\P` is $\P$.

`\pagebreak[n]` forces a page break at that point (cf. `\linebreak` on page 6).

`\pagenumbering{style}` determines page number style; `style` may be `arabic` (3), `roman` (iii), `Roman` (III), `alph` (c), `Alph` (C).

`\pageref{text}` is the page number on which `\label{text}` occurs.

`\pagestyle{sty}` determines characteristics of a page’s head and foot. `sty` may be `plain` (page number only), `empty` (no page number), `headings` (running headings on each page), `myheadings` (user headings).

`\paragraph[toctitle]{text}` begins a new paragraph, automatically headed and numbered. Optional `toctitle` contains entry for the table of contents if different from `text`.

`\paragraph*{text}` begins a paragraph and prints a title, but doesn’t include a number or make a table of contents entry.

`\parallel` is $\parallel$ (math mode).

`\parbox[pos]{size}{text}` is a box created in paragraph mode. `text` is positioned optionally at `pos` (see `positions` on page 8). Width is `size`.

`\parindent` — horizontal indentation added at beginning of paragraph.

`\parsep` — extra vertical space between paragraphs within a list item.

`\parskip` — extra vertical space between paragraphs, normally.

`\part[toctitle]{text}` begins a new part, automatically headed and numbered. Optional `toctitle` contains entry for the table of contents if different from `text`.

`\part*{text}` begins a part and prints a title, but doesn’t include a number or make a table of contents entry.

`\partial` is ∂ (math mode).

`\partopsep` — extra vertical space added before first list item if environment starts a new paragraph.

`\perp` is $\perp$ (math mode).

`\phi` is ϕ . `\Phi` is Φ (math mode).

`\pi` is π . `\Pi` is Π (math mode).

`\pm` is $\pm$ (math mode).

`\pmod{modulus}` is “parenthesized” modulo expression $u \pmod{2^e j - 1}$ (math mode).

`\poptabs` undoes the previous `\pushtabs` command (restore prior tab settings).

`positions`, for boxing commands: `t=top`, `b=bottom`, `h=here`, `l=left`, `c=center`, `r=right`, `p=new page` (`figure` environment), `p=parbox` (`tabular` environment).

`\pounds` is $\pounds$.

`\Pr` is $\Pr$ (math mode).

`\prec` is $\prec$ (math mode).

`\preceq` is $\preceq$ (math mode).

`\prime` is $\prime$ (math mode).

`\prod` is $\prod$ (math mode).

`\propto` is $\propto$ (math mode).

`\protect` permits the use of “dangerous” commands in $\text{\@}$ -expressions, or in sectioning command and `\caption` arguments.

`\ps` in `letter` document style permits additional text after `\closing`.

`\psi` is ψ . `\Psi` is Ψ (math mode).

`\pushtabs` in `tabbing` environment lets you stack tab stop definitions. Undo with `\poptabs`.

`\put(x,y){stuff}` is the basic picture-drawing command. (x,y) is the *reference point*, whose meaning varies for different `stuff`. `stuff` may be anything that goes in an `\mbox`.

`\raggedbottom` causes pages to assume natural height.

`\raggedleft` declares all text that follows is to be flush against the right margin (cf. `\begin{flushright}`).

`\raggedright` declares all text that follows is to be flush against the left margin (cf. `\begin{flushleft}`).

`\raisebox{dim}[d2][d3]{text}` moves `text` up by `dim` (which may be negative). Optional `d2` makes system think that `text` extends `d2` above the baseline (and optionally `d3` below it).

`\rangle` is $\rangle$ (math mode).

`\rbrace` is $\}$ (math mode).

`\rbrack` is $\}$ (math mode).

`\rceil` is $\lceil$ (math mode).

`\Re` is $\Re$ (math mode).

`\ref{text}` is the section number in which `\label{text}` occurs.

`\renewcommand{\cs}[narg]{def}` redefines an existing control sequence `\cs` with definition `def`. Optionally, `narg` is the number of arguments, indicated in `def` as #1, #2, etc.

`\renewenvironment{envname}[narg]{def1}{def2}` redefines an existing environment. See `\newenvironment`.

`\restorecr` undoes the `\obeycr` command (makes carriage return a space-producing character).

`\reversemarginpar` causes opposite margin to be used for marginal notes (e.g., left margin on odd-numbered pages).

`\rfloor` is $\rfloor$ (math mode).

`\rhd` is $\triangleright$ (math mode).

`\rho` is ρ (math mode).

`\right*` (where `*` is a delimiter) must be paired with `\left*` (not necessarily using the same delimiter). ‘.’ acts as a null delimiter (math mode).

`\rightarrow` is $\rightarrow$. `\Rightarrow` is $\Rightarrow$ (math mode).

`\rightharpoonup` is $\rightarrow$ (math mode).

`\rightharpoonup` is $\rightarrow$ (math mode).

`\rightleftharpoons` is $\rightleftharpoons$ (math mode).

`\rightmargin` — in `list` environment, horizontal distance between right margin of enclosing environment and right margin of list. Default 0in.

`\rm` switches to Roman type.

`\roman{counter}` prints `counter` in lower-case roman numerals. `\Roman{counter}` prints upper-case roman numerals.

`\rq` is a right-quote: ’.

`\rule[height]{length}{width}` makes a rectangular blob of ink `length` long, `width` wide, with optional `height` above baseline.

`\S` is §.

`\savebox{\binname}[width][pos]{text}` is exactly like `\makebox` (q.v.), but saves box definition in bin `\binname`. Access with `\usebox{\binname}`.

`\sbox{\binname}{text}` saves `text` in box `\binname` (see `\savebox`, above).

`\sc` switches to caps and small caps font.

`\scriptsize` switches subscript size type.

`\scriptstyle` switches to sub- or superscript-sized typesetting.

`\scriptscriptstyle` switches to second-level (very small) sub- or superscript-sized typesetting (math mode).

`\searrow` is $\searrow$ (math mode).

`\sec` is sec (math mode).

`\section[toctitle]{text}` begins a new section, automatically headed and numbered. Optional `toctitle` contains entry for the table of contents if different from `text`.

`\section*{text}` begins a section, prints a title, but doesn’t include a number or make a table of contents entry.

`\setcounter{counter}{value}` resets the value of `counter`.

`\setlength{\nl}{length}` sets value of length command `\nl` to `length`. See also `\addtolength`, `\newlength`, `\settowidth`.

`\setminus` is $\backslash$ (math mode).

`\settowidth{\nl}{text}` sets value of length command `\nl` to the width of `text`. See also `\setlength`, `\newlength`, `\addtolength`.

`\sf` switches to sans serif font.

`\sharp` is $\sharp$ (math mode).

`\shortstack[pos]{x\yy\zzz}` yields
$$\begin{array}{c} x \\ yy \\ \hline \end{array} \text{zzz}$$
, a one-column tabular arrangement of its arguments. Optional `pos` can be `l` or `r` for text position.

`\sigma` is σ . `\Sigma` is Σ (math mode).

`\signature{text}` declares a signature for letter document style.

`\sim` is $\sim$ (math mode).

`\simeq` is $\simeq$ (math mode).

`\sin` is sin (math mode).

`\sinh` is sinh (math mode).

- `\sl` switches to *slanted* typeface.
- `\sloppy` relaxes the line-breaking algorithm to allow more or less distance between words. Default is `\fussy`.
- `\small` switches to smaller than `normalsize` typeface.
- `\smallint` is $\int$ (math mode).
- `\smallskip` — standard “small” vertical skip.
- `\smallskipamount` — default length for `\smallskip`.
- `\smile` is $\smile$ (math mode).
- `\spadesuit` is $\spadesuit$ (math mode).
- `\sqcap` is $\sqcap$ (math mode).
- `\sqcup` is $\sqcup$ (math mode).
- `\sqrt[3]{arg}` is $\sqrt[3]{arg}$. 3 (root) is optional.
- `\sqsubset` is $\sqsubset$ (math mode).
- `\sqsubseteq` is $\sqsubseteq$ (math mode).
- `\sqsupset` is $\sqsupset$ (math mode).
- `\sqsupseteq` is $\sqsupseteq$ (math mode).
- `\ss` is $\ss$.
- `\stackrel{stuff}{delim}` puts `stuff` above the delimiter; `\stackrel{f}{\longrightarrow}` yields $\xrightarrow{f}$ (math mode).
- `\star` is $\star$ (math mode).
- `\stop` — type this if T_EX stops with a * and no error message.
- `\subparagraph[toctitle]{text}` begins a subparagraph, automatically headed and numbered. Optional `toctitle` contains entry for the table of contents if different from `text`.
- `\subparagraph*{text}` begins a subparagraph and prints a title, but doesn’t include a number or make a table of contents entry.
- `\subsection[toctitle]{text}`,
`\subsubsection[toctitle]{text}` begin new subsections, automatically headed and numbered. Optional `toctitle` contains entry for the table of contents if different from `text`.
- `\subsection*{text}`, `\subsubsection*{text}` begin subsections, but suppress section number and table of contents entry.
- `\subset` is $\subset$ (math mode).
- `\subseteq` is $\subseteq$ (math mode).
- `\succ` is $\succ$ (math mode).
- `\succeq` is $\succeq$ (math mode).
- `\sum` is $\sum$ (math mode).
- `\sup` is $\sup$ (math mode).
- `\supset` is $\supset$ (math mode).
- `\supseteq` is $\supseteq$ (math mode).
- `\surd` is $\surd$ (math mode).
- `\swarrow` is $\swarrow$ (math mode).
- `\symbol{cc}` produces the symbol (glyph) character code `cc` in the current font.
- `\t` prints a “tie-after” accent, as $\circ\circ$.
- `\tabbingsep` — distance to left of a tab stop moved by `\`.
- `\tabcolsep` — half the width of the space between columns in `tabular` environment.
- `\tableofcontents` produces a table of contents. A `.toc` file must have been generated during a previous L^AT_EX run.
- `\tan` is $\tan$ (math mode).
- `\tanh` is $\tanh$ (math mode).
- `\tau` is τ (math mode).
- `\TeX` produces the T_EX logo.
- `\textfloatsep` — distance between floats at the top or bottom of a single-column page and the text on that page.
- `\textfraction` — minimum fraction of a text page that must contain text.
- `\textheight` is the normal vertical dimension of the body of the page.
- `\textstyle` switches to `math` environment typesetting (math mode).
- `\textwidth` is the normal horizontal dimension of the body of the page.
- `\thanks{footnote}` adds an acknowledgement footnote to an author’s name used in a `\maketitle` command.
- `\theta` is θ . `\Theta` is Θ (math mode).
- `\thicklines` is an alternate line thickness for lines in a `picture` environment. See also `linethickness`.
- `\thinlines` is the default declaration for line thicknesses in a `picture` environment. See `\thicklines`.
- `\thinspace` is the proper space between single and double quotes, as in ‘ ’.
- `\thispagestyle{sty}` determines characteristics of head and foot for the current page only. Used to override `\pagestyle` (q.v.) temporarily.
- `\tilde` makes a tilde, as: $\tilde{a}$ (math mode).
- `\times` is $\times$ (math mode).
- `\tiny` switches to a very small typeface.
- `\title{text}` declares a document title for the `\maketitle` command.
- `\to` is $\rightarrow$ (math mode).

`\today` generates today's date.
`\top` is $\top$ (math mode).
`\topfraction` — maximum fraction at the top of a single-column page that may be occupied by floats.
`\topmargin` — space between top of $\text{\TeX}$ page (1 inch from top of paper) and top of header.
`\topsep` — extra vertical space added before first list item and after last list item.
`\topskip` — minimum distance between top of page body to bottom of first line of text.
`\triangle` is $\triangle$ (math mode).
`\triangleleft` is $\triangleleft$ (math mode).
`\triangleright` is $\triangleright$ (math mode).
`\tt` switches to typewriter type.
`\twocolumn[text]` declares a two-column page, with optional full-page width heading *text*.
`\typein[cs]{text}` displays *text* on the screen and waits for you to enter stuff which will be put in the document at that point. Optional control sequence *cs* can be assigned the value of your input, to be used later.
`\typeout{text}` displays *text* on the screen and writes it to the .lis file.
`\u` prints a breve accent, as $\ddot{o}$.
`\unboldmath` unboldens math italics and math symbols. Should be used *outside* of math mode.
`\underbrace{text}` gives $\underbrace{text}$ (math mode).
`\underline{text}` gives $\underline{text}$ (math mode or not).
`\unitlength` — length of coordinate units for `picture` environment.
`\unlhd` is $\unlhd$ (math mode).
`\unrhd` is $\unrhd$ (math mode).
`\uparrow` is $\uparrow$. `\Uparrow` is $\Uparrow$ (math mode).
`\updownarrow` is $\updownarrow$. `\Updownarrow` is $\Updownarrow$ (math mode).
`\uplus` is $\uplus$ (math mode).
`\upsilon` is υ . `\Upsilon` is Υ (math mode).
`\usebox{binname}` recalls box definition saved in box *binname*.
`\usecounter{counter}` is used in a `list` environment to cause *counter* to be used to number the items.
`\v` prints a háček, as $\v{c}$.
`\value{counter}` produces the numeric value of *counter*.
`\varepsilon` is ε (math mode).
`\varphi` is φ (math mode).
`\varpi` is ϖ (math mode).
`\varrho` is ϱ (math mode).
`\varsigma` is ς (math mode).
`\vartheta` is ϑ (math mode).
`\vdash` is $\vdash$ (math mode).
`\vdots` is $\vdots$ (math mode).
`\vec` puts a vector over a letter: $\vec{a}$ (math mode).
`\vector(x,y){len}` in `picture` environment, in `\put` command, draws vector from `\put` argument with length *len* and slope (*x,y*), with arrowhead.
`\vee` is $\vee$ (math mode).
`\verb/text/` creates a local `verbatim` environment for *text*, printed in `typewriter` font. Note that *text* is *not* in curly braces; it is between two identical delimiters, neither of which appears in *text*.
`\verb*/text/` is like `\verb/text/`, but spaces print out as $_$.
`\vert` is $|$. `\Vert` is $\|$ (math mode).
`\vfill` is `\vspace{\fill}` (cf. `\fill`).
`\vspace{len}` leaves a vertical space of dimension *len*.
`\vspace*{len}` is like `\vspace{len}` but space is not removed at the beginning or end of a page.
`\wedge` is $\wedge$ (math mode).
`\widehat{arg}` is $\widehat{arg}$ (math mode).
`\widetilde{arg}` is $\widetilde{arg}$ (math mode).
`\wp` is $\wp$ (math mode).
`\wr` is $\wr$ (math mode).
`\xi` is ξ . `\Xi` is Ξ (math mode).
`\year` — current year (A.D.).
`\zeta` is ζ (math mode).

L^AT_EX typefaces

<code>\rm</code>	Roman
<code>\it</code>	<i>Italic</i>
<code>\bf</code>	Boldface
<code>\sl</code>	<i>Slanted</i>
<code>\sf</code>	Sans serif
<code>\sc</code>	SMALL CAPS
<code>\tt</code>	Typewriter

Miscellaneous symbols

<code>\dag</code>	<code>\S</code>	<code>\copyright</code>
<code>\ddag</code>	<code>\P</code>	<code>\pounds</code>

Dimensions or lengths

<code>pt</code>	point (72.27 pt/in)
<code>pc</code>	pica (12 pt/pc)
<code>in</code>	inch
<code>bp</code>	big point (72 bp/in)
<code>cm</code>	centimeter (2.54 cm/in)
<code>mm</code>	millimeter (10 mm/cm)
<code>dd</code>	didot point (1157 dd = 1238 pt)
<code>cc</code>	cicero (12 dd/cc)
<code>sp</code>	scaled point (65536 sp/pt)
<code>em</code>	font-dependent; “quad” width
<code>ex</code>	font-dependent; “x”-height

Math-mode accents

<code>\hat{a}</code>	<code>\dot{a}</code>
<code>\check{a}</code>	<code>\ddot{a}</code>
<code>\tilde{a}</code>	<code>\breve{a}</code>
<code>\acute{a}</code>	<code>\bar{a}</code>
<code>\grave{a}</code>	<code>\vec{a}</code>

L^AT_EX environments

<code>abstract</code>	<code>figure</code>	<code>quote</code>
<code>array</code>	<code>flushleft</code>	<code>tabbing</code>
<code>center</code>	<code>flushright</code>	<code>table</code>
<code>description</code>	<code>itemize</code>	<code>tabular</code>
<code>displaymath</code>	<code>list</code>	<code>theorem</code>
<code>enumerate</code>	<code>math</code>	<code>titlepage</code>
<code>eqnarray</code>	<code>minipage</code>	<code>verbatim</code>
<code>equation</code>	<code>picture</code>	<code>verse</code>
	<code>quotation</code>	

Greek letters (math mode)

<code>\alpha</code>	<code>\nu</code>
<code>\beta</code>	<code>\xi</code>
<code>\gamma</code>	<code>o</code>
<code>\delta</code>	<code>\pi</code>
<code>\epsilon</code>	<code>\rho</code>
<code>\zeta</code>	<code>\sigma</code>
<code>\eta</code>	<code>\tau</code>
<code>\theta</code>	<code>\upsilon</code>
<code>\iota</code>	<code>\phi</code>
<code>\kappa</code>	<code>\chi</code>
<code>\lambda</code>	<code>\psi</code>
<code>\mu</code>	<code>\omega</code>

Text-mode accents

<code>\`{o}</code>	<code>\={o}</code>	<code>\t{oo}</code>
<code>\' {o}</code>	<code>\. {o}</code>	<code>\c{o}</code>
<code>\^ {o}</code>	<code>\u{o}</code>	<code>\d{o}</code>
<code>\" {o}</code>	<code>\v{o}</code>	<code>\b{o}</code>
<code>\~ {o}</code>	<code>\H{o}</code>	

National symbols

<code>\oe</code>	<code>\aa</code>	<code>\l</code>
<code>\OE</code>	<code>\AA</code>	<code>\L</code>
<code>\ae</code>	<code>\o</code>	<code>\ss</code>
<code>\AE</code>	<code>\O</code>	

<code>\varepsilon</code>	<code>\varsigma</code>
<code>\vartheta</code>	<code>\varphi</code>
<code>\varrho</code>	

<code>\Gamma</code>	<code>\Sigma</code>
<code>\Delta</code>	<code>\Upsilon</code>
<code>\Theta</code>	<code>\Phi</code>
<code>\Lambda</code>	<code>\Psi</code>
<code>\Xi</code>	<code>\Omega</code>
<code>\Pi</code>	

Binary operations (math mode)

$\pm$	<code>\pm</code>	$\cap$	<code>\cap</code>
$\mp$	<code>\mp</code>	$\cup$	<code>\cup</code>
$\setminus$	<code>\setminus</code>	$\uplus$	<code>\uplus</code>
$\cdot$	<code>\cdot</code>	$\sqcap$	<code>\sqcap</code>
$\times$	<code>\times</code>	$\sqcup$	<code>\sqcup</code>
$*$	<code>\ast</code>	$\triangleleft$	<code>\triangleleft</code>
$\star$	<code>\star</code>	$\triangleright$	<code>\triangleright</code>
$\diamond$	<code>\diamond</code>	$\wr$	<code>\wr</code>
$\circ$	<code>\circ</code>	$\bigcirc$	<code>\bigcirc</code>
$\bullet$	<code>\bullet</code>	$\bigtriangleup$	<code>\bigtriangleup</code>
$\div$	<code>\div</code>	$\bigtriangledown$	<code>\bigtriangledown</code>
$\triangleleft$	<code>\lhd</code>	$\triangleright$	<code>\rhd</code>
$\vee$	<code>\vee</code>	$\odot$	<code>\odot</code>
$\wedge$	<code>\wedge</code>	$\dagger$	<code>\dagger</code>
$\oplus$	<code>\oplus</code>	$\ddagger$	<code>\ddagger</code>
$\ominus$	<code>\ominus</code>	$\amalg$	<code>\amalg</code>
$\otimes$	<code>\otimes</code>	$\trianglelefteq$	<code>\trianglelefteq</code>
$\oslash$	<code>\oslash</code>	$\rhd\!\!\rhd$	<code>\unrhd</code>

Relations (math mode)

$\leq$	<code>\leq</code>	$\geq$	<code>\geq</code>
$\prec$	<code>\prec</code>	$\succ$	<code>\succ</code>
$\preceq$	<code>\preceq</code>	$\succeq$	<code>\succeq</code>
$\ll$	<code>\ll</code>	$\gg$	<code>\gg</code>
$\subset$	<code>\subset</code>	$\supset$	<code>\supset</code>
$\subseteq$	<code>\subseteq</code>	$\supseteq$	<code>\supseteq</code>
$\sqsubset$	<code>\sqsubset</code>	$\sqsupset$	<code>\sqsupset</code>
$\sqsubseteq$	<code>\sqsubseteq</code>	$\sqsupseteq$	<code>\sqsupseteq</code>
$\in$	<code>\in</code>	$\ni$	<code>\ni</code>
$\vdash$	<code>\vdash</code>	$\dashv$	<code>\dashv</code>
$\smile$	<code>\smile</code>	$\mid$	<code>\mid</code>
$\frown$	<code>\frown</code>	$\parallel$	<code>\parallel</code>
$\neq$	<code>\neq</code>	$\perp$	<code>\perp</code>
$\equiv$	<code>\equiv</code>	$\cong$	<code>\cong</code>
$\sim$	<code>\sim</code>	$\bowtie$	<code>\bowtie</code>
$\simeq$	<code>\simeq</code>	$\propto$	<code>\propto</code>
$\asymp$	<code>\asymp</code>	$\models$	<code>\models</code>
$\approx$	<code>\approx</code>	$\doteq$	<code>\doteq</code>
		$\Join$	<code>\Join</code>

Variable-sized symbols (math mode)

Σ	$\sum$	<code>\sum</code>	$\bigcap$	<code>\bigcap</code>
$\prod$	$\prod$	<code>\prod</code>	$\bigcup$	<code>\bigcup</code>
$\coprod$	$\coprod$	<code>\coprod</code>	$\bigsqcup$	<code>\bigsqcup</code>
$\int$	$\int$	<code>\int</code>	$\bigvee$	<code>\bigvee</code>
$\oint$	$\oint$	<code>\oint</code>	$\bigwedge$	<code>\bigwedge</code>
$\bigodot$	$\bigodot$	<code>\bigodot</code>	$\bigotimes$	<code>\bigotimes</code>
$\bigoplus$	$\bigoplus$	<code>\bigoplus</code>	$\biguplus$	<code>\biguplus</code>

Delimiters (math mode)

$($	$($	$)$	$)$
$[$	$[$	$]$	$]$
$\{$	$\{$	$\}$	$\}$
$\lfloor$	$\lfloor$	$\rfloor$	$\rfloor$
$\lceil$	$\lceil$	$\rceil$	$\rceil$
$\langle$	$\langle$	$\rangle$	$\rangle$
$/$	$/$	$\backslash$	$\backslash$
$\mid$	$\mid$	$\Vdash$	$\Vdash$
$\Uparrow$	$\Uparrow$	$\Uparrow$	$\Uparrow$
$\Downarrow$	$\Downarrow$	$\Downarrow$	$\Downarrow$
$\Updownarrow$	$\Updownarrow$	$\Updownarrow$	$\Updownarrow$

“Log-like” functions (math mode)

$\arccos$	$\csc$	$\ker$	$\min$
$\arcsin$	$\deg$	$\lg$	$\Pr$
$\arctan$	$\det$	$\lim$	$\sec$
$\arg$	$\dim$	$\liminf$	$\sin$
$\cos$	$\exp$	$\limsup$	$\sinh$
$\cosh$	$\gcd$	$\ln$	$\sup$
$\cot$	$\hom$	$\log$	$\tan$
$\coth$	$\inf$	$\max$	$\tanh$

Arrows (math mode)

$\leftarrow$	<code>\leftarrow</code>	$\longleftarrow$	<code>\longleftarrow</code>
$\Lleftarrow$	<code>\Lleftarrow</code>	$\Longleftarrow$	<code>\Longleftarrow</code>
$\rightarrow$	<code>\rightarrow</code>	$\longrightarrow$	<code>\longrightarrow</code>
$\Rrightarrow$	<code>\Rrightarrow</code>	$\longrightarrow$	<code>\longrightarrow</code>
$\leftrightarrow$	<code>\leftrightarrow</code>	$\longleftrightarrow$	<code>\longleftrightarrow</code>
$\Leftrightarrow$	<code>\Leftrightarrow</code>	$\Longleftrightarrow$	<code>\Longleftrightarrow</code>
$\mapsto$	<code>\mapsto</code>	$\longmapsto$	<code>\longmapsto</code>
$\hookleftarrow$	<code>\hookleftarrow</code>	$\hookrightarrow$	<code>\hookrightarrow</code>
$\leftharpoonup$	<code>\leftharpoonup</code>	$\rightharpoonup$	<code>\rightharpoonup</code>
$\leftharpoondown$	<code>\leftharpoondown</code>	$\rightharpoondown$	<code>\rightharpoondown</code>
$\rightleftharpoons$	<code>\rightleftharpoons</code>	$\leadsto$	<code>\leadsto</code>
$\uparrow$	<code>\uparrow</code>	$\Uparrow$	<code>\Uparrow</code>
$\Uparrow$	<code>\Uparrow</code>	$\nearrow$	<code>\nearrow</code>
$\downarrow$	<code>\downarrow</code>	$\searrow$	<code>\searrow</code>
$\Downarrow$	<code>\Downarrow</code>	$\swarrow$	<code>\swarrow</code>
$\updownarrow$	<code>\updownarrow</code>	$\nwarrow$	<code>\nwarrow</code>

Miscellaneous symbols (math mode)

$\aleph$	<code>\aleph</code>	$\prime$	<code>\prime</code>
$\hbar$	<code>\hbar</code>	$\emptyset$	<code>\emptyset</code>
$\imath$	<code>\imath</code>	∇	<code>\nabla</code>
$\jmath$	<code>\jmath</code>	$\surd$	<code>\surd</code>
ℓ	<code>\ell</code>	$\top$	<code>\top</code>
$\wp$	<code>\wp</code>	$\bot$	<code>\bot</code>
$\Re$	<code>\Re</code>	$\parallel$	<code>\parallel</code>
$\Im$	<code>\Im</code>	$\angle$	<code>\angle</code>
∂	<code>\partial</code>	$\triangle$	<code>\triangle</code>
∞	<code>\infty</code>	$\backslash$	<code>\backslash</code>
$\Box$	<code>\Box</code>	$\Diamond$	<code>\Diamond</code>
$\forall$	<code>\forall</code>	$\sharp$	<code>\sharp</code>
$\exists$	<code>\exists</code>	$\clubsuit$	<code>\clubsuit</code>
$\neg$	<code>\neg</code>	$\diamondsuit$	<code>\diamondsuit</code>
$\flat$	<code>\flat</code>	$\heartsuit$	<code>\heartsuit</code>
$\natural$	<code>\natural</code>	$\spadesuit$	<code>\spadesuit</code>
$\mho$	<code>\mho</code>		