

LATEX Mathematical Symbols

The more unusual symbols are not defined in base L^AT_EX (NFSS) and require \usepackage{amssymb}

1 Greek and Hebrew letters

α	$\backslash alpha$	κ	$\backslash kappa$	ψ	$\backslash psi$	F	$\backslash digamma$	Δ	$\backslash Delta$	Θ	$\backslash Theta$
β	$\backslash beta$	λ	$\backslash lambda$	ρ	$\backslash rho$	ε	$\backslash varepsilon$	Γ	$\backslash Gamma$	Υ	$\backslash Upsilon$
χ	$\backslash chi$	μ	$\backslash mu$	σ	$\backslash sigma$	\varkappa	$\backslash varkappa$	Λ	$\backslash Lambda$	Ξ	$\backslash Xi$
δ	$\backslash delta$	ν	$\backslash nu$	τ	$\backslash tau$	φ	$\backslash varphi$	Ω	$\backslash Omega$		
ϵ	$\backslash epsilon$	o	\circ	θ	$\backslash theta$	ϖ	$\backslash varpi$	Φ	$\backslash Phi$	\aleph	$\backslash aleph$
η	$\backslash eta$	ω	$\backslash omega$	v	$\backslash upsilon$	ϱ	$\backslash varrho$	Π	$\backslash Pi$	\beth	$\backslash beth$
γ	$\backslash gamma$	ϕ	$\backslash phi$	ξ	$\backslash xi$	ς	$\backslash varsigma$	Ψ	$\backslash Psi$	\daleth	$\backslash daleth$
ι	$\backslash iota$	π	$\backslash pi$	ζ	$\backslash zeta$	ϑ	$\backslash vartheta$	Σ	$\backslash Sigma$	\gimel	$\backslash gimmel$

2 L^AT_EX math constructs

$\frac{abc}{xyz}$	$\backslash \text{frac}\{abc\}{xyz}$	\overline{abc}	$\backslash \text{overline}\{abc\}$	\overrightarrow{abc}	$\backslash \text{overrightarrow}\{abc\}$
f'	f'	\underline{abc}	$\backslash \text{underline}\{abc\}$	\overleftarrow{abc}	$\backslash \text{overleftarrow}\{abc\}$
\sqrt{abc}	$\backslash \text{sqrt}\{abc\}$	\widehat{abc}	$\backslash \text{widehat}\{abc\}$	\overbrace{abc}	$\backslash \text{overbrace}\{abc\}$
$\sqrt[n]{abc}$	$\backslash \text{sqrt}[n]\{abc\}$	\widetilde{abc}	$\backslash \text{widetilde}\{abc\}$	\underbrace{abc}	$\backslash \text{underbrace}\{abc\}$

3 Delimiters

Use the pair `\left{s1` and `\right{s2}` to match height of delimiters s_1 and s_2 to the height of their contents, e.g., `\left| expr \right|`, `\left\{ expr \right\}`, `\left\langle expr \right\rangle`.

4 Variable-sized symbols (displayed formulae show larger version)

$$\begin{array}{llllll} \sum & \backslash \text{sum} & \int & \backslash \text{int} & \uplus & \backslash \text{biguplus} & \oplus & \backslash \text{bigoplus} & \vee & \backslash \text{bigvee} \\ \prod & \backslash \text{prod} & \oint & \backslash \text{ooint} & \bigcap & \backslash \text{bigcap} & \otimes & \backslash \text{bigotimes} & \wedge & \backslash \text{bigwedge} \\ \coprod & \backslash \text{coprod} & \iint & \backslash \text{int} & \bigcup & \backslash \text{bigcup} & \odot & \backslash \text{bigodot} & \bigvee & \backslash \text{bigsqcup} \end{array}$$

5 Standard Function Names

Function names should appear in Roman, not Italic, e.g.,

Correct: $\tan(at-n\pi) \rightarrow \tan(at - n\pi)$
 Incorrect: $\tan(at-n\pi) \rightarrow tan(at - n\pi)$

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

6 Binary Operation/Relation Symbols

\ast	$\backslash ast$	\pm	$\backslash pm$	\cap	$\backslash cap$	\triangleleft	$\backslash lhd$
\star	$\backslash star$	\mp	$\backslash mp$	\cup	$\backslash cup$	\triangleright	$\backslash rhd$
\cdot	$\backslash cdot$	\amalg	$\backslash amalg$	\uplus	$\backslash uplus$	$\triangleleft\triangleright$	$\backslash triangleleft$
\circ	$\backslash circ$	\odot	$\backslash odot$	\sqcap	$\backslash sqcap$	$\triangleright\triangleleft$	$\backslash triangleright$
\bullet	$\backslash bullet$	\ominus	$\backslash ominus$	\sqcup	$\backslash sqcup$	$\triangleleft\triangleleft$	$\backslash unlhd$
\bigcirc	$\backslash bigcirc$	\oplus	$\backslash oplus$	\wedge	$\backslash wedge$	$\triangleleft\triangleleft\triangleleft$	$\backslash unrhd$
\diamond	$\backslash diamond$	\oslash	$\backslash oslash$	\vee	$\backslash vee$	$\triangleleft\triangleleft\triangleleft\triangleleft$	$\backslash bigtriangledown$
\times	$\backslash times$	\otimes	$\backslash otimes$	\dagger	$\backslash dagger$	$\triangleleft\triangleleft\triangleleft\triangleleft\triangleleft$	$\backslash bigtriangleup$
\div	$\backslash div$	\wr	$\backslash wr$	\ddagger	$\backslash ddagger$	\diagup	$\backslash setminus$
\cdot	$\backslash centerdot$	\Box	$\backslash Box$	\barwedge	$\backslash barwedge$	\diagdown	$\backslash veebar$
\circledast	$\backslash circledast$	\boxplus	$\backslash boxplus$	\Cap	$\backslash Cap$	\curlyvee	$\backslash curlyvee$
\circledcirc	$\backslash circledcirc$	\boxminus	$\backslash boxminus$	\bot	$\backslash bot$	\Cup	$\backslash Cup$
\circledash	$\backslash circleddash$	\boxtimes	$\backslash boxtimes$	\intercal	$\backslash intercal$	\top	$\backslash top$
\dotplus	$\backslash dotplus$	\boxdot	$\backslash boxdot$	$\barwedge\barwedge$	$\backslash doublebarwedge$	\rightthreetimes	$\backslash rightthreetimes$
\divideontimes	$\backslash divideontimes$	\square	$\backslash square$			\leftthreetimes	$\backslash leftthreetimes$
\equiv	$\backslash equiv$	\leq	$\backslash leq$	\geq	$\backslash geq$	\perp	$\backslash perp$
\cong	$\backslash cong$	\prec	$\backslash prec$	\succ	$\backslash succ$	\mid	$\backslash mid$
\neq	$\backslash neq$	\preceq	$\backslash preceq$	\succeq	$\backslash succeq$	\parallel	$\backslash parallel$
\sim	$\backslash sim$	\ll	$\backslash ll$	\gg	$\backslash gg$	\bowtie	$\backslash bowtie$
\simeq	$\backslash simeq$	\subset	$\backslash subset$	\supset	$\backslash supset$	\Join	$\backslash Join$
\approx	$\backslash approx$	$\subset\subset$	$\backslash subseteq$	\supseteq	$\backslash supseteq$	\ltimes	$\backslash ltimes$
\asymp	$\backslash asymp$	$\subset\subset\subset$	$\backslash sqsubset$	$\supseteq\supset$	$\backslash sqsupset$	\rtimes	$\backslash rtimes$
\doteq	$\backslash doteq$	$\subset\subset\subset\subset$	$\backslash sqsubseteq$	$\supseteq\supseteq$	$\backslash sqsupseteq$	$($	$\backslash smile$
\propto	$\backslash proto$	\dashv	$\backslash dashv$	\vdash	$\backslash vdash$	$)$	\frown
\models	$\backslash models$	\in	$\backslash in$	\ni	$\backslash ni$	\notin	$\backslash notin$
\approx	$\backslash approxeq$	\leqq	$\backslash leqq$	\geqq	$\backslash geqq$	\lessgtr	$\backslash lessgtr$
\sim	$\backslash thicksim$	\leqslant	$\backslash leqslant$	\geqslant	$\backslash geqslant$	\lesseqgtr	$\backslash lesseqgtr$
\lessdot	$\backslash backsim$	\lessapprox	$\backslash lessapprox$	\gtrapprox	$\backslash gtrapprox$	\lesseqqgtr	$\backslash lesseqqgtr$
\lessdot	$\backslash backsimeq$	\lll	$\backslash ll$	\ggg	$\backslash ggg$	\gtreqless	$\backslash gtreqless$
\lessdot	$\backslash triangleq$	\lessdot	$\backslash lessdot$	\gtrdot	$\backslash grdot$	\gtreqless	$\backslash gtreqless$
\lessdot	$\backslash circeq$	\lessim	$\backslash lessim$	\gtrsim	$\backslash gtrsim$	\gtrless	$\backslash gtrless$
\lessdot	$\backslash bumpeq$	\lessdotless	$\backslash eqslantless$	\eqslantgtr	$\backslash eqslantgtr$	\backepsilon	$\backslash backepsilon$
\lessdot	$\backslash Bumpeq$	\precsim	$\backslash precsim$	\succsim	$\backslash succsim$	\between	$\backslash between$
\lessdot	$\backslash doteqdot$	\approxapprox	$\backslash precapprox$	\succapprox	$\backslash succapprox$	\pitchfork	$\backslash pitchfork$
\approx	$\backslash thickapprox$	\Subset	$\backslash Subset$	\Supset	$\backslash Supset$	\shortmid	$\backslash shortmid$
\approx	$\backslash fallingdotseq$	$\subset\subset\subset\subset$	$\backslash subseteqq$	\supseteqq	$\backslash supseteqq$	\smallfrown	$\backslash smallfrown$
\approx	$\backslash risingdotseq$	\sqsubset	$\backslash sqsubset$	\sqsupset	$\backslash sqsupset$	\smallsmile	$\backslash smallsmile$
\approx	$\backslash varproto$	\preccurlyeq	$\backslash preccurlyeq$	\succcurlyeq	$\backslash succcurlyeq$	\Vdash	$\backslash Vdash$
\therefore	$\backslash therefore$	\eqqprec	$\backslash curlyeqprec$	\eqqsucc	$\backslash curlyeqsucc$	\vDash	$\backslash vDash$
\because	$\backslash because$	\blacktriangleleft	$\backslash blacktriangleleft$	\blacktriangleright	$\backslash blacktriangleright$	\VvDash	$\backslash VvDash$
\eqcirc	$\backslash eqcirc$	\trianglelefteq	$\backslash trianglelefteq$	\trianglerighteq	$\backslash trianglerighteq$	\shortparallel	$\backslash shortparallel$
\neq	$\backslash neq$	\vartriangleleft	$\backslash vartriangleleft$	\trianglerighteq	$\backslash vartriangleleft$	\nparallel	$\backslash nshortparallel$
\notcong	$\backslash ncong$	\nleq	$\backslash nleq$	\ngeq	$\backslash ngeq$	\nsupseteq	$\backslash nsupseteq$
\notmid	$\backslash nmid$	\nleqq	$\backslash nleqq$	\ngeqq	$\backslash ngeqq$	\nsupseteqq	$\backslash nsupseteqq$
\notparallel	$\backslash nparallel$	\nleqslant	$\backslash nleqslant$	\ngeqslant	$\backslash ngeqslant$	\nsupseteqqq	$\backslash nsupseteqqq$
\notmid	$\backslash nshortmid$	\nless	$\backslash nless$	\ngtr	$\backslash ngtr$	\nsupseteqqq	$\backslash nsupseteqqq$
\notparallel	$\backslash nshortparallel$	\nprec	$\backslash nprec$	\nsucc	$\backslash nsucc$	\subsetneqq	$\backslash subsetneqq$
\notsim	$\backslash nsim$	\npreceq	$\backslash npreceq$	\nsucceq	$\backslash nsucceq$	\supsetneqq	$\backslash supsetneqq$
\notDash	$\backslash nVDash$	\nprecnapprox	$\backslash precnapprox$	\succcnapprox	$\backslash succnapprox$	\subsetneqq	$\backslash subsetneqq$
\notDash	$\backslash nvDash$	$\nprecn sim$	$\backslash precn sim$	$\succcn sim$	$\backslash succn sim$	\supsetneqq	$\backslash supsetneqq$
\notDash	$\backslash nvDash$	\napprox	$\backslash napprox$	\gnapprox	$\backslash gnapprox$	\subsetneqq	$\backslash varsubsetneqq$
\notDash	$\backslash ntriangleleft$	\nleq	$\backslash nleq$	\gneq	$\backslash gneq$	\supsetneqq	$\backslash varsupsetneqq$
\notDash	$\backslash ntrianglelefteq$	\nleqq	$\backslash nleqq$	\gneqq	$\backslash gneqq$	\subsetneqq	$\backslash varsubsetneqq$
\notDash	$\backslash ntriangleright$	\nsim	$\backslash nsim$	\gnsim	$\backslash gnsim$	\supsetneqq	$\backslash varsupsetneqq$
\notDash	$\backslash ntrianglerighteq$	\nvertneqq	$\backslash lvertneqq$	\gvertneqq	$\backslash gvertneqq$	\subsetneqq	$\backslash varsupsetneqq$

7 Arrow symbols

\leftarrow	<code>\leftarrow</code>	\longleftarrow	<code>\longleftarrow</code>	\uparrow	<code>\uparrow</code>
\Leftarrow	<code>\Leftarrow</code>	\Longleftarrow	<code>\Longleftarrow</code>	\Updownarrow	<code>\Updownarrow</code>
\rightarrow	<code>\rightarrow</code>	\longrightarrow	<code>\longrightarrow</code>	\downarrow	<code>\downarrow</code>
\Rightarrow	<code>\Rightarrow</code>	\Longrightarrow	<code>\Longrightarrow</code>	\Downarrow	<code>\Downarrow</code>
\leftrightsquigarrow	<code>\leftrightsquigarrow</code>	\longleftrightsquigarrow	<code>\longleftrightsquigarrow</code>	\updownarrow	<code>\updownarrow</code>
\Leftrightarrow	<code>\Leftrightarrow</code>	\Longleftrightsquigarrow	<code>\Longleftrightsquigarrow</code>	\Updownarrow	<code>\Updownarrow</code>
\mapsto	<code>\mapsto</code>	\longmapsto	<code>\longmapsto</code>	\nearrow	<code>\nearrow</code>
\hookleftarrow	<code>\hookleftarrow</code>	\hookrightarrow	<code>\hookrightarrow</code>	\searrow	<code>\searrow</code>
\leftharpoonup	<code>\leftharpoonup</code>	\rightharpoonup	<code>\rightharpoonup</code>	\swarrow	<code>\swarrow</code>
\leftharpoondown	<code>\leftharpoondown</code>	\rightharpoondown	<code>\rightharpoondown</code>	\nwarrow	<code>\nwarrow</code>
\rightleftharpoons	<code>\rightleftharpoons</code>	\leadsto	<code>\leadsto</code>		
\dashrightarrow	<code>\dashrightarrow</code>	\dashleftarrow	<code>\dashleftarrow</code>	\leftleftarrows	<code>\leftleftarrows</code>
\leftrightsquigarrow	<code>\leftrightsquigarrow</code>	\Lleftarrow	<code>\Lleftarrow</code>	\twoheadleftarrow	<code>\twoheadleftarrow</code>
\leftarrowtail	<code>\leftarrowtail</code>	\looparrowleft	<code>\looparrowleft</code>	\leftrightharpoons	<code>\leftrightharpoons</code>
\curvearrowleft	<code>\curvearrowleft</code>	\circlearrowleft	<code>\circlearrowleft</code>	\Lsh	<code>\Lsh</code>
\upuparrows	<code>\upuparrows</code>	\upharpoonleft	<code>\upharpoonleft</code>	\downharpoonleft	<code>\downharpoonleft</code>
\multimap	<code>\multimap</code>	\leftrightsquigarrow	<code>\leftrightsquigarrow</code>	\rightrightarrows	<code>\rightrightarrows</code>
\rightleftarrows	<code>\rightleftarrows</code>	\rightarrowtail	<code>\rightarrowtail</code>	\rightleftarrows	<code>\rightleftarrows</code>
\twoheadrightarrow	<code>\twoheadrightarrow</code>	\rightarrowtail	<code>\rightarrowtail</code>	\looparrowright	<code>\looparrowright</code>
\rightleftharpoons	<code>\rightleftharpoons</code>	\curvearrowright	<code>\curvearrowright</code>	\circlearrowright	<code>\circlearrowright</code>
\Rsh	<code>\Rsh</code>	\downdownarrows	<code>\downdownarrows</code>	\upharpoonright	<code>\upharpoonright</code>
\downharpoonright	<code>\downharpoonright</code>	\rightsquigarrow	<code>\rightsquigarrow</code>		
\nleftarrow	<code>\nleftarrow</code>	\nrightarrow	<code>\nrightarrow</code>	\nLeftarrow	<code>\nLeftarrow</code>
\nrightarrow	<code>\nrightarrow</code>	\nleftrightsquigarrow	<code>\nleftrightsquigarrow</code>	\nLeftrightarrow	<code>\nLeftrightarrow</code>

8 Miscellaneous symbols

∞	<code>\infty</code>	\forall	<code>\forall</code>	\mathbb{K}	<code>\Bbbk</code>	\wp	<code>\wp</code>
∇	<code>\nabla</code>	\exists	<code>\exists</code>	\star	<code>\bigstar</code>	\angle	<code>\angle</code>
∂	<code>\partial</code>	\nexists	<code>\nexists</code>	\diagdown	<code>\diagdown</code>	\measuredangle	<code>\measuredangle</code>
\eth	<code>\eth</code>	\emptyset	<code>\emptyset</code>	\diagup	<code>\diagup</code>	\sphericalangle	<code>\sphericalangle</code>
\clubsuit	<code>\clubsuit</code>	\varnothing	<code>\varnothing</code>	\diamond	<code>\Diamond</code>	\complement	<code>\complement</code>
\diamondsuit	<code>\diamondsuit</code>	\imath	<code>\imath</code>	\vdash	<code>\Finv</code>	\triangledown	<code>\triangledown</code>
\heartsuit	<code>\heartsuit</code>	\jmath	<code>\jmath</code>	\triangleright	<code>\Game</code>	\triangle	<code>\triangle</code>
\spadesuit	<code>\spadesuit</code>	ℓ	<code>\ell</code>	\hbar	<code>\hbar</code>	\vartriangle	<code>\vartriangle</code>
\cdots	<code>\cdots</code>	$\int\int\int$	<code>\iiiint</code>	\hslash	<code>\hslash</code>	\blacklozenge	<code>\blacklozenge</code>
\vdots	<code>\vdots</code>	$\int\int\int$	<code>\iiint</code>	\lozenge	<code>\lozenge</code>	\blacksquare	<code>\blacksquare</code>
\ldots	<code>\ldots</code>	$\int\int$	<code>\iint</code>	\mho	<code>\mho</code>	\blacktriangle	<code>\blacktriangle</code>
\ddots	<code>\ddots</code>	\sharp	<code>\sharp</code>	\prime	<code>\prime</code>	\blacktriangledown	<code>\blacktriangledown</code>
\Im	<code>\Im</code>	\flat	<code>\flat</code>	\square	<code>\square</code>	\backprime	<code>\backprime</code>
\Re	<code>\Re</code>	\natural	<code>\natural</code>	\surd	<code>\surd</code>	\circledS	<code>\circledS</code>

9 Math mode accents

\acute{a}	<code>\acute{a}</code>	\bar{a}	<code>\bar{a}</code>	$\acute{\mathcal{A}}$	<code>\Acute{\Acute{A}}</code>	$\bar{\mathcal{A}}$	<code>\Bar{\Bar{A}}</code>
\breve{a}	<code>\breve{a}</code>	\check{a}	<code>\check{a}</code>	$\breve{\mathcal{A}}$	<code>\Breve{\Breve{A}}</code>	$\check{\mathcal{A}}$	<code>\Check{\Check{A}}</code>
\ddot{a}	<code>\ddot{a}</code>	\dot{a}	<code>\dot{a}</code>	$\ddot{\mathcal{A}}$	<code>\Ddot{\Ddot{A}}</code>	$\dot{\mathcal{A}}$	<code>\Dot{\Dot{A}}</code>
\grave{a}	<code>\grave{a}</code>	\hat{a}	<code>\hat{a}</code>	$\grave{\mathcal{A}}$	<code>\Grave{\Grave{A}}</code>	$\hat{\mathcal{A}}$	<code>\Hat{\Hat{A}}</code>
\tilde{a}	<code>\tilde{a}</code>	\vec{a}	<code>\vec{a}</code>	$\tilde{\mathcal{A}}$	<code>\Tilde{\Tilde{A}}</code>	$\vec{\mathcal{A}}$	<code>\Vec{\Vec{A}}</code>

10 Array environment, examples

Simplest version:

```
\begin{array}{cols} row_1 \\ row_2 \\ \dots row_m \end{array}
```

where *cols* includes one character [lrc] for each column (with optional characters | inserted for vertical lines) and *row_j* includes character & a total of (*n* – 1) times to separate the *n* elements in the row. Examples:

```
\left( \begin{array}{cc} 2\tau & 7\phi-\frac{5}{12} \\ 3\psi & \frac{\pi}{8} \end{array} \right) \left( \begin{array}{c} x \\ y \end{array} \right) \text{ and } \left[ \begin{array}{cc|c} 3 & 4 & 5 \\ 1 & 3 & 729 \end{array} \right]
```

```
f(z) = \left( \begin{array}{rcl} \overline{\overline{z^2} + \cos z} & \text{for} & |z| < 3 \\ 0 & \text{for} & 3 \leq |z| \leq 5 \\ \sin \overline{z} & \text{for} & |z| > 5 \end{array} \right)
```

$$\left(\begin{array}{cc} 2\tau & 7\phi - \frac{5}{12} \\ 3\psi & \frac{\pi}{8} \end{array} \right) \left(\begin{array}{c} x \\ y \end{array} \right) \text{ and } \left[\begin{array}{cc|c} 3 & 4 & 5 \\ 1 & 3 & 729 \end{array} \right]$$

$$f(z) = \begin{cases} \overline{\overline{z^2} + \cos z} & \text{for } |z| < 3 \\ 0 & \text{for } 3 \leq |z| \leq 5 \\ \sin \overline{z} & \text{for } |z| > 5 \end{cases}$$

11 Other Styles (math mode only)

Caligraphic letters: \mathcal{A} etc.: *A B C D E F G H I J K L M N O P Q R S T U V W X Y Z*

Mathbb letters: \mathbb{A} etc.: *A B C D E F G H I J K L M N O P Q R S T U V W X Y Z*

Mathfrak letters: \mathfrak{A} etc.: *A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c 1 2 3*

Math Sans serif letters: A etc.: *A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c 1 2 3*

Math bold letters: \mathbf{A} etc.: *A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c 1 2 3*

Math bold italic letters: define `\def\mathbi#1{\textbf{\em #1}}` then use \mathbi{A} etc.:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c 1 2 3

12 Font sizes

Math Mode:	$\int f^{-1}(x - x_a) dx$	<code>\displaystyle \int f^{-1}(x-x_a),dx</code>
	$\int f^{-1}(x - x_a) dx$	<code>\textstyle \int f^{-1}(x-x_a),dx</code>
	$\int f^{-1}(x - x_a) dx$	<code>\scriptstyle \int f^{-1}(x-x_a),dx</code>
	$\int f^{-1}(x - x_a) dx$	<code>\scriptscriptstyle \int f^{-1}(x-x_a),dx</code>
Text Mode:	$\tiny = \text{smallest}$	$\normalsize = \text{normal}$
	$\scriptsize = \text{very small}$	$\large = \text{large}$
	$\footnotesize = \text{smaller}$	$\Large = \text{Large}$
	$\small = \text{small}$	$\LARGE = \text{LARGE}$
		$\huge = \text{huge}$
		$\Huge = \text{Huge}$

13 Text Mode: Accents and Symbols

ó	\'{o}	ö	\"o{o}	ô	\^o{o}	ò	\`o{o}	ó	\~o{o}	ó	\=o{o}	ş	\d{s}
ö	\.{o}	ö	\u{o}	ö	\H{o}	öö	\t{o}	ö	\c{o}	ö	\d{o}	ş	\r{s}
ó	\b{o}	Å	\AA	å	\aa	ß	\ss	í	\i	j	\j	ş	\H{s}
ø	\o	ſ	\t{s}	ſ	\v{s}	ø	\o	¶	\P	§	\S		
æ	\ae	Æ	\AE	†	\dag	‡	\ddag	©	\copyright	£	\pounds		