This is a list of TeX functions, sorted alphabetically. This list includes functions that KaTeX supports and some that it doesn't support. There is a similar page, with functions sorted by type.

If you know the shape of a character, but not its name, Detexify can help.

1 Symbols

Symbol/Function	Rendered	Source or Comment
!	$n!$	`n!`
\!	ab	`a\!b`
#	y^2	`\def\bar#1{#1^2} \bar{y}`
\#	#	
%		`%this is a comment`
\%	%	

&	$a \quad b$
	$c \quad d$
		`\begin{matrix}`
		`a & b \\`
		`c & d`
		`\end{matrix}`

\&	&	
'	′	
\'	á	`\text{\'{a}}`
(	(	
)	)	
\…	$\frac{a}{b}$	`\text{\(\frac a b\)}`
\	$a\,b$	`a\ b`
\"	ä	`\text{\"{a}}`
\$	$	
\,	$a\,b$	`a\,\,{b}`
\.	ȧ	`\text{\.{a}}`
\:	$a\:b$	`a\:\:{b}`
\;	$a\;b$	a`\;\;{b}`
_	x_i	`x_i`

Symbol/Function	Rendered	Source or Comment
_	_	
\`	`a	`\text{\\'{a}}`
<	<	
\=	¯a	`\text{\\={a}}`
>		
\>	$a\ b$	`a\>\>{b}`
[	[	
]	]	
{	a	`{a}`
}	a	`{a}`
\{	{	
\}	}	
|	|	
\\|	‖	
~	no no no breaks	`\text{no~no~no~breaks}`
\~	˜a	`\text{\\~{a}}`

\\	$a \quad b$
	$c \quad d$
		`\begin{matrix}`
		`a & b \\`
		`c & d`
		`\end{matrix}`

	x^i	`x^i`
\^	ˆa	`\text{\\^{a}}`

2 A

Symbol/Function	Rendered	Source or Comment
\AA	˚A	`\text{\AA}`
\aa	˚a	`\text{\aa}`
\above	$\frac{a}{b+1}$	`{a \above{2pt} b+1}`

Symbol/Function	Rendered	Source or Comment
\abovewithdelims	Not supported	
\acute	$\acute{e}$	`\acute e`
\AE	Æ	`\text{\AE}`
\ae	æ	`\text{\ae}`
\alef	ℵ	
\alefsym	ℵ	
\aleph	ℵ	

{align}	$a = b + c \quad (1)$
	$d + e = f \quad (2)$
		`\begin{align}`
		`a&=b+c \\`
		`d+e&=f`
		`\end{align}`

{align*}	$a = b + c$
	$d + e = f$
		`\begin{align*}`
		`a&=b+c \\`
		`d+e&=f`
		`\end{align*}`

{aligned}	$a = b + c$
	$d + e = f$
		`\begin{aligned}`
		`a&=b+c \\`
		`d+e&=f`
		`\end{aligned}`

{alignat}	$10x+ \ 3y = 2 \quad (3)$
	$3x+13y = 4 \quad (4)$
		`\begin{alignat}{2}`
		`10&x+ &3&y = 2 \\`
		`3&x+&13&y = 4`
		`\end{alignat}`

{alignat*}	$10x+ \ 3y = 2$
	$3x+13y = 4$
		`\begin{alignat*}{2}`
		`10&x+ &3&y = 2 \\`
		`3&x+&13&y = 4`
		`\end{alignat*}`

{alignedat}	$10x+ \ 3y = 2$
	$3x+13y = 4$
		`\begin{alignedat}{2}`
		`10&x+ &3&y = 2 \\`
		`3&x+&13&y = 4`
		`\end{alignedat}`

\allowbreak		
\Alpha	A	

Symbol/Function	Rendered	Source or Comment
\alpha	α	
\amalg	⨿	
\And	&	
\and	Not supported	Deprecated
\ang	Not supported	Deprecated
\angl	$a_{\overline{\text{n}}\vert}$	
\angln	$a_{\overline{\text{n}}\vert}$	
\angle	$\angle$	
\approx	$\approx$	
\approxeq	$\approxeq$	
\approxcolon	$\approx:$	
\approxcoloncolon	$\approx::$	
\arccos	arccos	
\arcctg	arcctg	
\arcsin	arcsin	
\arctan	arctan	
\arctg	arctg	
\arg	arg	
\argmax	arg max	
\argmin	arg min	
{array}	$\begin{array}{cc} a & b \\ c & d \end{array}$	`\begin{array}{cc}` `a & b \\` `c & d` `\end{array}`
\array	Not supported	see `{array}`
\arraystretch	$\begin{array}{cc} a & b \\ c & d \end{array}$	`\def\arraystretch{1.5}` `\begin{array}{cc}` `a & b \\` `c & d` `\end{array}`

Symbol/Function	Rendered	Source or Comment
\Arrowvert	Not supported	see `\Vert`
\arrowvert	Not supported	see `\vert`
\ast	*	
\asymp	≍	
\atop	$\begin{matrix}a\\b\end{matrix}$	`{a \atop b}`
\atopwithdelims	Not supported	

3 B

Symbol/Function	Rendered	Source or Comment
\backepsilon	϶	
\backprime	‵	
\backsim	∽	
\backsimeq	⋍	
\backslash	\	
\bar	ay	`\bar{y}`
\barwedge	⊼	
\Bbb	𝔸𝔹ℂ	`\Bbb{ABC}` KaTeX supports A-Z & k
\Bbbk	𝕜	
\bbox	Not supported	
\bcancel	$\cancel{5}$	`\bcancel{5}`
\because	∵	
\begin	$\begin{matrix}a & b\\c & d\end{matrix}$	`\begin{matrix}` `a & b \\` `c & d` `\end{matrix}`
\begingroup	ParseError: KaTeX parse error: Expected '\endgroup', got '}' at posi	`\begingroup a}`

Symbol/Function	Rendered	Source or Comment
	tion 14: \begingroup a}	
\Beta	B	
\beta	β	
\beth	ב	
\between	≬	
\bf	**AaBb12**	`\bf AaBb12`
\bfseries	Not supported	
\big	()	`\big(\big)`
\Big	()	`\Big(\Big)`
\bigcap	⋂	
\bigcirc	○	
\bigcup	⋃	
\bigg	()	`\bigg(\bigg)`
\Bigg	()	`\Bigg(\Bigg)`
\biggl	(	`\biggl(`
\Biggl	(	`\Biggl(`
\biggm	∣	`\biggm\vert`
\Biggm	∣	`\Biggm\vert`
\biggr	)	`\biggr)`
\Biggr	)	`\Biggr)`
\bigl	(	`\bigl(`
\Bigl	(	`\Bigl(`
\bigm	∣	`\bigm\vert`
\Bigm	∣	`\Bigm\vert`
\bigodot	⊙	
\bigominus	Not supported	Issue #1222

Symbol/Function	Rendered	Source or Comment
\bigoplus	$\bigoplus$	
\bigoslash	Not supported	Issue #1222
\bigotimes	$\bigotimes$	
\bigr	)	`\bigr)`
\Bigr	$\Bigr)$	`\Bigr)`
\bigsqcap	Not supported	Issue #1222
\bigsqcup	$\bigsqcup$	
\bigstar	$\bigstar$	
\bigtriangledown	$\bigtriangledown$	
\bigtriangleup	$\bigtriangleup$	
\biguplus	$\biguplus$	
\bigvee	$\bigvee$	
\bigwedge	$\bigwedge$	
\binom	$\binom{n}{k}$	`\binom n k`
\blacklozenge	$\blacklozenge$	
\blacksquare	$\blacksquare$	
\blacktriangle	$\blacktriangle$	
\blacktriangledown	$\blacktriangledown$	
\blacktriangleleft	$\blacktriangleleft$	
\blacktriangleright	$\blacktriangleright$	
\bm	$\bm{AaBb}$	`\bm{AaBb}`
{Bmatrix}	$\begin{Bmatrix} a & b \\ c & d \end{Bmatrix}$	`\begin{Bmatrix}` `a & b \\` `c & d` `\end{Bmatrix}`

Symbol/Function	Rendered	Source or Comment
{Bmatrix*}	$\begin{Bmatrix} 0 & -1 \\ -1 & 0 \end{Bmatrix}$	`\begin{Bmatrix*}[r]` `0 & -1 \\` `-1 & 0` `\end{Bmatrix*}`
{bmatrix}	$\begin{bmatrix} a & b \\ c & d \end{bmatrix}$	`\begin{bmatrix}` `a & b \\` `c & d` `\end{bmatrix}`
{bmatrix*}	$\begin{bmatrix} 0 & -1 \\ -1 & 0 \end{bmatrix}$	`\begin{bmatrix*}[r]` `0 & -1 \\` `-1 & 0` `\end{bmatrix*}`
\bmod	$a \bmod b$	`a \bmod b`
\bold	**AaBb123**	`\bold{AaBb123}`
\boldsymbol	$\boldsymbol{AaBb}$	`\boldsymbol{AaBb}`
\bot	$\bot$	
\bowtie	$\bowtie$	
\Box	$\Box$	
\boxdot	$\boxdot$	
\boxed	$\boxed{ab}$	`\boxed{ab}`
\boxminus	$\boxminus$	
\boxplus	$\boxplus$	
\boxtimes	$\boxtimes$	
\Bra	$\Bra{\psi}$	`\Bra{\psi}`
\bra	$\bra{\psi}$	`\bra{\psi}`
\braket	$\braket{\phi\vert\psi}$	`\braket{\phi\vert\psi}`
\brace	$\binom{n}{k}$	`{n\brace k}`
\bracevert	Not supported	
\brack	$\brack{n}{k}$	`{n\brack k}`
\breve	$\breve{eu}$	`\breve{eu}`

Symbol/Function	Rendered	Source or Comment
\buildrel	Not supported	
\bull	•	
\bullet	•	
\Bumpeq	≎	
\bumpeq	≏	

4 C

Symbol/Function	Rendered	Source or Comment
\C	Not supported	Deprecated
\cal	$\mathcal{A}a\mathcal{B}b123$	`\cal AaBb123`
\cancel	$\cancel{5}$	`\cancel{5}`
\cancelto	Not supported	
\Cap	⋒	
\cap	∩	
{cases}	$\begin{cases} a & \text{if } b \\ c & \text{if } d \end{cases}$	`\begin{cases}` `a &\text{if } b \\` `c &\text{if } d` `\end{cases}`
\cases	Not supported	see `{cases}`
{CD}	$\begin{CD} A @>a>> B \\ @VbVV @AAcA \\ C @= D \end{CD}$	`\begin{CD}` `A @>a>> B \\` `@VbVV @AAcA \\` `C @= D` `\end{CD}`
\cdot	·	
\cdotp	·	
\cdots	⋯	
\ce	C_6H_5-CHO	`\ce{C6H5-CHO}` Requires an extension
\cee	Not supported	Deprecated by mhchem

Symbol/Function	Rendered	Source or Comment
\centerdot	$a \centerdot b$	`a\centerdot b`
\cf	Not supported	Deprecated by mhchem;
use `\ce` instead		
\cfrac	$\cfrac{2}{1+\cfrac{2}{1+\cfrac{2}{1}}}$	`\cfrac{2}{1+\cfrac{2}{1+\cfrac{2}{1}}}`
\char	☺	`\char"263a`
\check	$\check{oe}$	`\check{oe}`
\ch	ch	
\checkmark	✓	
\Chi	Χ	
\chi	χ	
\choose	$\binom{n+1}{k+2}$	`{n+1 \choose k+2}`
\circ	∘	
\circeq	≗	
\circlearrowleft	↺	
\circlearrowright	↻	
\circledast	⊛	
\circledcirc	◎	
\circleddash	⊝	
\circledR	®	
\circledS	Ⓢ	
\class	Not supported	A PR is pending.
\cline	Not supported	Issue #269
\clubs	♣	
\clubsuit	♣	
\cnums	ℂ	
\colon	:	
\Colonapprox	::≈	

Symbol/Function	Rendered	Source or Comment
\colonapprox	:≈	
\coloncolon	::	
\coloncolonapprox	::≈	
\coloncolonequals	::=	
\coloncolonminus	::−	
\coloncolonsim	::∼	
\Coloneq	::−	
\coloneq	:−	
\colonequals	:=	
\Coloneqq	::=	
\coloneqq	:=	
\colonminus	:−	
\Colonsim	::∼	
\colonsim	:∼	
\color	*AaBb*123	`\color{#0000FF} AaBb123`
\colorbox	Black on red	`\colorbox{red}{Black on red}`
\complement	∁	
\Complex	ℂ	
\cong	≅	
\Coppa	Not supported	
\coppa	Not supported	
\coprod	∐	
\copyright	©	
\cos	cos	
\cosec	cosec	
\cosh	cosh	
\cot	cot	
\cotg	cotg	

Symbol/Function	Rendered	Source or Comment
\coth	coth	

\cr	$a \quad b$
	$c \quad d$
		`\begin{matrix}`
		`a & b \cr`
		`c & d`
		`\end{matrix}`

\csc	csc	
\cssId	Not supported	A PR is pending.
\ctg	ctg	
\cth	cth	
\Cup	⋓	
\cup	∪	
\curlyeqprec	⋞	
\curlyeqsucc	⋟	
\curlyvee	⋎	
\curlywedge	⋏	
\curvearrowleft	↶	
\curvearrowright	↷	

5 D

Symbol/Function	Rendered	Source or Comment
\dag	†	
\Dagger	‡	
\dagger	†	
\daleth	ℸ	
\Darr	⇓	
\dArr	⇓	
\darr	↓	
{darray}	$a \quad b$ $c \quad d$	`\begin{darray}{cc}` `a & b \\`

Symbol/Function	Rendered	Source or Comment
		`c & d` `\end{darray}`
\dashleftarrow	⇠	
\dashrightarrow	⇢	
\dashv	⊣	
\dbinom	$\binom{n}{k}$	`\dbinom n k`
\dblcolon	::	

{dcases}	$\begin{cases} a & \text{if } b \\ c & \text{if } d \end{cases}$	`\begin{dcases}`
		`a &\text{if } b \\`
		`c &\text{if } d`
		`\end{dcases}`

\ddag	‡	
\ddagger	‡	
\ddddot	Not supported	
\dddot	Not supported	
\ddot	$\ddot{x}$	`\ddot x`
\ddots	⋱	
\DeclareMathOperator	Not supported	
\def	$x^2 + x^2$	`\def\foo{x^2} \foo + \foo`
\definecolor	Not supported	Issue #750
\deg	deg	
\degree	°	
\delta	δ	
\Delta	Δ	
\det	det	
\Digamma	Not supported	
\digamma	$\digamma$	
\dfrac	$\dfrac{a-1}{b-1}$	`\dfrac{a-1}{b-1}`
\diagdown	╲	

Symbol/Function	Rendered	Source or Comment
\diagup	$\diagup$	
\Diamond	$\Diamond$	
\diamond	$\diamond$	
\diamonds	$\diamondsuit$	
\diamondsuit	$\diamondsuit$	
\dim	$\dim$	
\displaylines	Not supported	
\displaystyle	$\displaystyle\sum_0^n$	`\displaystyle\sum_0^n`
\div	$\div$	
\divideontimes	$\divideontimes$	
\dot	$\dot{x}$	`\dot x`
\Doteq	$\Doteq$	
\doteq	$\doteq$	
\doteqdot	$\doteqdot$	
\dotplus	$\dotplus$	
\dots	$x_1 + \dots + x_n$	`x_1 + \dots + x_n`
\dotsb	$x_1 + \dotsb + x_n$	`x_1 +\dotsb + x_n`
\dotsc	$x, \dotsc, y$	`x,\dotsc,y`
\dotsi	$\int_{A_1}\int_{A_2}\dotsi$	`\int_{A_1}\int_{A_2}\dotsi`
\dotsm	$x_1 x_2 \dotsm x_n$	`$x_1 x_2 \dotsm x_n`
\dotso	$\dotso$	
\doublebarwedge	$\doublebarwedge$	
\doublecap	$\doublecap$	
\doublecup	$\doublecup$	
\Downarrow	$\Downarrow$	
\downarrow	$\downarrow$	
\downdownarrows	$\downdownarrows$	

Symbol/Function	Rendered	Source or Comment
\downharpoonleft	$\downharpoonleft$	
\downharpoonright	$\downharpoonright$	
{drcases}	$\begin{drcases} a & \text{if } b \\ c & \text{if } d \end{drcases}$	`\begin{drcases}` `a &\text{if } b \\` `c &\text{if } d` `\end{drcases}`

6 E

Symbol/ Function	Rendered	Source or Comment
\edef	a	`\def\foo{a}\edef\bar{\foo}\def\foo{}\bar`
\ell	ℓ	
\else	Not supported	Issue #1003
\em	Not supported	
\emph	Not supported	
\empty	$\emptyset$	
\emptyset	$\emptyset$	
\enclose	Not supported	Non standard
\end	$\begin{matrix} a & b \\ c & d \end{matrix}$	`\begin{matrix}` `a & b \\` `c & d` `\end{matrix}`
\endgroup	ParseError: KaTeX parse error: Expected '}', got '\endgroup' at position 3: {a\endgroup	`{a\endgroup`
\enspace	$a\enspace b$	`a\enspace b`
\Epsilon	$\Epsilon$	
\epsilon	ϵ	
\eqalign	Not supported	
\eqalignno	Not supported	
\eqcirc	$\eqcirc$	

Symbol/ Function	Rendered	Source or Comment
\Eqcolon	−::	
\eqcolon	−:	
{equation}	$a = b + c \quad (5)$	`\begin{equation}` `a = b + c` `\end{equation}`
{equation*}	$a = b + c$	`\begin{equation*}` `a = b + c` `\end{equation*}`
{eqnarray}	Not supported	
\Eqqcolon	=::	
\eqqcolon	=:	
\eqref	Not supported	Issue #350
\eqsim	≂	
\eqslantgtr	⪖	
\eqslantless	⪕	
\equalscolon	=:	
\equalscoloncolon	=::	
\equiv	≡	
\Eta	H	
\eta	η	
\eth	ð	
\euro	Not supported	
\exist	∃	
\exists	∃	
\exp	exp	
\expandafter		

7 F

Symbol/Function	Rendered	Source or Comment
\fallingdotseq	≒	
\fbox	Hi there!	`\fbox{Hi there!}`
\fcolorbox	A	`\fcolorbox{red}{aqua}{A}`
\fi	Not supported	Issue #1003
\Finv	Ⅎ	
\flat	♭	
\footnotesize	*footnotesize*	`\footnotesize footnotesize`
\forall	∀	
\frac	$\frac{a}{b}$	`\frac a b`
\frak	𝔄𝔞𝔅𝔟	`\frak{AaBb}`
\frown	⌢	
\futurelet		

8 G

Symbol/Function	Rendered	Source or Comment
\Game	⅁	
\Gamma	Γ	
\gamma	γ	

{gather}	$a = b \quad (6)$
	$e = b + c \quad (7)$
		`\begin{gather}`
		`a=b \\`
		`e=b+c`
		`\end{gather}`

{gathered}	$a = b$
	$e = b + c$
		`\begin{gathered}`
		`a=b \\`
		`e=b+c`
		`\end{gathered}`

\gcd	gcd	

Symbol/Function	Rendered	Source or Comment
\gdef	$y^2 + y^2$	`\gdef\bar#1{#1^2} \bar{y} + \bar{y}`
\ge	$\geq$	
\geneuro	Not supported	
\geneuronarrow	Not supported	
\geneurowide	Not supported	
\genfrac	$\left(\frac{a}{a+1}\right]$	`\genfrac ( ] {2pt}{0}a{a+1}`
\geq	$\geq$	
\geqq	$\geqq$	
\geqslant	$\geqslant$	
\gets	$\leftarrow$	
\gg	$\gg$	
\ggg	$\ggg$	
\gggtr	$\ggg$	
\gimel	$\gimel$	
\global	$2 + 3$	`\global\def\add#1#2{#1+#2} \add 2 3`
\gnapprox	$\gnapprox$	
\gneq	$\gneq$	
\gneqq	$\gneqq$	
\gnsim	$\gnsim$	
\grave	$\grave{eu}$	`\grave{eu}`
\gt	$a > b$	`a \gt b`
\gtrdot	$\gtrdot$	
\gtrapprox	$\gtrapprox$	
\gtreqless	$\gtreqless$	
\gtreqqless	$\gtreqqless$	
\gtrless	$\gtrless$	
\gtrsim	$\gtrsim$	
\gvertneqq	$\gvertneqq$	

9 H

Symbol/Function	Rendered	Source or Comment
\H	a″	`\text{\H{a}}`
\Harr	⇔	
\hArr	⇔	
\harr	↔	
\hat	$\hat{\theta}$	`\hat{\theta}`
\hbar	$\hbar$	
\hbox	`$\hbox{$x^2$}$`	`\hbox{$x^2$}`
\hbox to	Not supported	
\hdashline	$\begin{matrix} a & b \\ \hdashline c & d \end{matrix}$	`\begin{matrix}` `a & b \\` `\hdashline` `c & d` `\end{matrix}`
\hearts	♡	
\heartsuit	♡	
\hfil	Not supported	
\hfill	Not supported	Issues #164 & #269
\hline	$\begin{matrix} a & b \\ \hline c & d \end{matrix}$	`\begin{matrix}` `a & b \\ \hline` `c & d` `\end{matrix}`
\hom	hom	
\hookleftarrow	↩	
\hookrightarrow	↪	
\hphantom	$a\hphantom{bc}d$	`a\hphantom{bc}d`
\href	\href	`\href{https://katex.org/}{\KaTeX}` Requires `trust` option
\hskip	$w\hskip1em i\hskip2em d$	`w\hskip1em i\hskip2em d`
\hslash	$\hslash$	

Symbol/Function	Rendered	Source or Comment
\hspace	$s\hspace7ex k$	s\hspace7ex k
\htmlClass	\htmlClass	\htmlClass{foo}{x} Must enable trust and disable strict option
\htmlData	\htmlData	\htmlData{foo=a, bar=b}{x} Must enable trust and disable strict option
\htmlId	\htmlId	\htmlId{bar}{x} Must enable trust and disable strict option
\htmlStyle	\htmlStyle	\htmlStyle{color: red;}{x} Must enable trust and disable strict option
\huge	*huge*	\huge huge
\Huge	*Huge*	\Huge Huge

10 I

Symbol/Function	Rendered	Source or Comment
\i	ı	\text{\i}
\idotsint	Not supported	
\iddots	Not supported	Issue #1223
\if	Not supported	Issue #1003
\iff	$A \iff B$	A\iff B
\ifmode	Not supported	Issue #1003
\ifx	Not supported	Issue #1003
\iiiint	Not supported	
\iiint	$\iiint$	
\iint	$\iint$	
\Im	$\Im$	
\image	$\Im$	
\imageof	$\multimap$	
\imath	$\imath$	
\impliedby	$P \impliedby Q$	P\impliedby Q

Symbol/Function	Rendered	Source or Comment
\implies	$P \implies Q$	`P\implies Q`
\in	$\in$	
\inf	$\inf$	
\infin	∞	
\infty	∞	
\injlim	$\injlim$	`\injlim`
\int	$\int$	
\intercal	$\intercal$	
\intop	$\int$	
\Iota	I	
\iota	ι	
\isin	$\in$	
\it	AaBb	`{\it AaBb}`
\itshape	Not supported	

11 JK

Symbol/Function	Rendered	Source or Comment
\j	j	`\text{\j}`
\jmath	$\jmath$	
\Join	$\bowtie$	
\Kappa	K	
\kappa	κ	
\KaTeX	KaTeX	
\ker	$\ker$	
\kern	$I\!R$	`I\kern-2.5pt R`
\Ket	$\Ket{\psi}$	`\Ket{\psi}`
\ket	$\ket{\psi}$	`\ket{\psi}`
\Koppa	Not supported	

Symbol/Function	Rendered	Source or Comment
\koppa	Not supported	

12 L

Symbol/Function	Rendered	Source or Comment
\L	Not supported	
\l	Not supported	
\Lambda	Λ	
\lambda	λ	
\label	Not supported	
\land	$\land$	
\lang	$\langle A\rangle$	`\lang A\rangle`
\langle	$\langle A\rangle$	`\langle A\rangle`
\Larr	$\Leftarrow$	
\lArr	$\Leftarrow$	
\larr	$\leftarrow$	
\large	$large$	`\large large`
\Large	$Large$	`\Large Large`
\LARGE	$LARGE$	`\LARGE LARGE`
\LaTeX	LaTeX	
\lBrace	$\{\!\!\{$	
\lbrace	$\{$	
\lbrack	$[$	
\lceil	$\lceil$	
\ldotp	.	
\ldots	$\ldots$	
\le	$\leq$	
\leadsto	$\rightsquigarrow$	

Symbol/Function	Rendered	Source or Comment
\left	$\left\{\frac{a}{b}\right.$	`\left\lbrace \dfrac ab \right.`
\leftarrow	$\leftarrow$	
\Leftarrow	$\Leftarrow$	
\LeftArrow	Not supported	Non standard
\leftarrowtail	Not supported	
\leftharpoondown	$\leftharpoondown$	
\leftharpoonup	$\leftharpoonup$	
\leftleftarrows	$\leftleftarrows$	
\Leftrightarrow	$\Leftrightarrow$	
\leftrightarrow	$\leftrightarrow$	
\leftrightarrows	$\leftrightarrows$	
\leftrightharpoons	$\leftrightharpoons$	
\leftrightsquigarrow	$\leftrightsquigarrow$	
\leftroot	Not supported	
\leftthreetimes	$\leftthreetimes$	
\leq	$\leq$	
\leqalignno	Not supported	
\leqq	$\leqq$	
\leqslant	$\leqslant$	
\lessapprox	$\lessapprox$	
\lessdot	$\lessdot$	
\lesseqgtr	$\lesseqgtr$	
\lesseqqgtr	$\lesseqqgtr$	
\lessgtr	$\lessgtr$	
\lesssim	$\lesssim$	
\let		
\lfloor	$\lfloor$	
\lg	lg	

Symbol/Function	Rendered	Source or Comment
\lgroup	⟮	
\lhd	◁	
\lim	lim	
\liminf	lim inf	
\limits	$\lim_x$	`\lim\limits_x`
\limsup	lim sup	
\ll	≪	
\llap	≠	`{=}\llap{/\,}`
\llbracket	⟦	
\llcorner	⌞	
\Lleftarrow	⇚	
\lll	⋘	
\llless	⋘	
\lmoustache	⎰	
\ln	ln	
\lnapprox	⪉	
\lneq	⪇	
\lneqq	≨	
\lnot	¬	
\lnsim	⋦	
\log	log	
\long		
\Longleftarrow	⟸	
\longleftarrow	⟵	
\Longleftrightarrow	⟺	
\longleftrightarrow	⟷	
\longmapsto	⟼	
\Longrightarrow	⟹	

Symbol/Function	Rendered	Source or Comment
\longrightarrow	⟶	
\looparrowleft	↫	
\looparrowright	↬	
\lor	∨	
\lower	Not supported	
\lozenge	◊	
\lparen	(	
\Lrarr	⇔	
\lrArr	⇔	
\lrarr	↔	
\lrcorner	⌟	
\lq	‘	
\Lsh	↰	
\lt	<	
\ltimes	⋉	
\lVert	‖	
\lvert	|	
\lvertneqq	≨	

13 M

Symbol/Function	Rendered	Source or Comment
\maltese	✠	
\mapsto	↦	
\mathbb	$\mathbb{AB}$	`\mathbb{AB}` KaTeX supports A-Z k
\mathbf	**AaBb123**	`\mathbf{AaBb123}`
\mathbin	$a \mathbin{!} b$	`a\mathbin{!}b`
\mathcal	$\mathcal{AaBb}123$	`\mathcal{AaBb123}`

Symbol/Function	Rendered	Source or Comment
\mathchoice	$a\ b$	`a\mathchoice{\,}{\,\,}{\,\,\,}{\,\,\,\,}b`
\mathclap	$\sum_{\mathclap{1\le i\le n}} x_{i}$	`\sum_{\mathclap{1\le i\le n}} x_{i}`
\mathclose	$a + (b> + c$	`a + (b\mathclose\gt + c`
\mathellipsis	$\dots$	
\mathfrak	$\mathfrak{AaBb}$	`\mathfrak{AaBb}` KaTeX supports A-Za-z
\mathinner	$ab\text{inside}cd$	`ab\mathinner{\text{inside}}cd`
\mathit	$AaBb$	`\mathit{AaBb}` KaTeX supports A-Za-z
\mathllap	$\neq$	`{=}\mathllap{/\,}`
\mathnormal	$AaBb$	`\mathnormal{AaBb}` KaTeX supports A-Za-z
\mathop	$\star_a^b$	`\mathop{\star}_a^b`
\mathopen	$a + <b) + c$	`a + \mathopen\lt b) + c`
\mathord	1,234,567	`1\mathord{,}234{,}567`
\mathpunct	$A- B$	`A\mathpunct{-}B`
\mathrel	$a \# b$	`a \mathrel{\#} b`
\mathrlap	$\neq$	`\mathrlap{\,/}{=}`
\mathring	$\mathring{a}$	`\mathring{a}`
\mathrm	AaBb123	`\mathrm{AaBb123}`
\mathscr	$\mathscr{AB}$	`\mathscr{AaBb123}` KaTeX supports A-Z
\mathsf	AaBb123	`\mathsf{AaBb123}`
\mathsterling	$£$	
\mathstrut	$\sqrt{a}$	`\sqrt{\mathstrut a}`
\mathtip	Not supported	
\mathtt	AaBb123	`\mathtt{AaBb123}`
\matrix	Not supported	See `{matrix}`
{matrix}	$a \quad b$ $c \quad d$	`\begin{matrix}` `a & b \\`

Symbol/Function	Rendered	Source or Comment
		`c & d` `\end{matrix}`

{matrix*}	$\begin{matrix*}[r] 0 & -1 \\ -1 & 0 \end{matrix*}$	`\begin{matrix*}[r]`
		`0 & -1 \\`
		`-1 & 0`
		`\end{matrix*}`

\max	$\max$	
\mbox	Not supported	
\md	Not supported	
\mdseries	Not supported	
\measuredangle	$\measuredangle$	
\medspace	$a\medspace b$	`a\medspace b`
\mho	$\mho$	
\mid	$\{x \in \mathbb{R} \mid x > 0\}$	`\{x∈ℝ \mid x>0\}`
\middle	$P\left(A\middle\vert B\right)$	`P\left(A\middle\vert B\right)`
\min	$\min$	
\minuscolon	$\minuscolon$	
\minuscoloncolon	$\minuscoloncolon$	
\minuso	$\minuso$	
\mit	Not supported	See `\mathit`
\mkern	$a\mkern18mu b$	`a\mkern18mu b`
\mmlToken	Not supported	
\mod	$3 \equiv 5 \mod 2$	`3\equiv 5 \mod 2`
\models	$\models$	
\moveleft	Not supported	
\moveright	Not supported	
\mp	$\mp$	
\mskip	$a\mskip{10mu}b$	`a\mskip{10mu}b`
\mspace	Not supported	
\Mu	$\Mu$	

Symbol/Function	Rendered	Source or Comment
\mu	μ	
\multicolumn	Not supported	Issue #269
{multiline}	Not supported	
\multimap	$\multimap$	

14 N

Symbol/Function	Rendered	Source or Comment
\N	$\mathbb{N}$	
\nabla	∇	
\natnums	$\mathbb{N}$	
\natural	$\natural$	
\negmedspace	ab	`a\negmedspace b`
\ncong	$\ncong$	
\ne	$\neq$	
\nearrow	$\nearrow$	
\neg	$\neg$	
\negthickspace	ab	`a\negthickspace b`
\negthinspace	ab	`a\negthinspace b`
\neq	$\neq$	
\newcommand	✓	`\newcommand\chk{\checkmark} \chk`
\newenvironment	Not supported	Issue #37
\Newextarrow	Not supported	
\newline	a b	`a\newline b`
\nexists	$\nexists$	
\ngeq	$\ngeq$	
\ngeqq	$\ngeqq$	
\ngeqslant	$\ngeqslant$	

Symbol/Function	Rendered	Source or Comment
\ngtr	$\not>$	
\ni	$\ni$	
\nleftarrow	$\not\leftarrow$	
\nLeftarrow	$\not\Leftarrow$	
\nLeftrightarrow	$\not\Leftrightarrow$	
\nleftrightarrow	$\not\leftrightarrow$	
\nleq	$\not\leq$	
\nleqq	$\not\leqq$	
\nleqslant	$\not\leqslant$	
\nless	$\not<$	
\nmid	$\nmid$	
\nobreak		
\nobreakspace	$a\ b$	`a\nobreakspace b`
\noexpand		
\nolimits	$\lim_x$	`\lim\nolimits_x`

\nonumber	$a = b + c$
	$d + e = f$ (8)
		`\begin{align}`
		`a&=b+c \nonumber\\`
		`d+e&=f`
		`\end{align}`

\normalfont	Not supported	
\normalsize	*normalsize*	`\normalsize normalsize`
\not	$\neq$	`\not =`

\notag	$a = b + c$
	$d + e = f$ (9)
		`\begin{align}`
		`a&=b+c \notag\\`
		`d+e&=f`
		`\end{align}`

\notin	$\notin$	
\notni	$\notni$	
\nparallel	$\nparallel$	
\nprec	$\not\prec$	

Symbol/Function	Rendered	Source or Comment
\npreceq	$\not\preceq$	
\nRightarrow	$\not\Rightarrow$	
\nrightarrow	$\not\rightarrow$	
\nshortmid	$\nshortmid$	
\nshortparallel	$\nshortparallel$	
\nsim	$\not\sim$	
\nsubseteq	$\not\subseteq$	
\nsubseteqq	$\not\subseteqq$	
\nsucc	$\not\succ$	
\nsucceq	$\not\succeq$	
\nsupseteq	$\not\supseteq$	
\nsupseteqq	$\not\supseteqq$	
\ntriangleleft	$\not\triangleleft$	
\ntrianglelefteq	$\not\trianglelefteq$	
\ntriangleright	$\not\triangleright$	
\ntrianglerighteq	$\not\trianglerighteq$	
\Nu	N	
\nu	ν	
\nVDash	$\nVDash$	
\nVdash	$\nVdash$	
\nvDash	$\nvDash$	
\nvdash	$\nvdash$	
\nwarrow	$\nwarrow$	

15 0

Symbol/Function	Rendered	Source or Comment
\O	Ø	`\text{\O}`
\o	ø	`\text{\o}`

Symbol/Function	Rendered	Source or Comment
\odot	$\odot$	
\OE	Œ	`\text{\OE}`
\oe	œ	`\text{\oe}`
\officialeuro	Not supported	
\oiiint	$\iiint\!\!\!\bigcirc$	
\oiint	$\iint\!\!\bigcirc$	
\oint	$\oint$	
\oldstyle	Not supported	
\omega	ω	
\Omega	Ω	
\Omicron	O	
\omicron	o	
\ominus	$\ominus$	
\operatorname	$\operatorname{asin}\, x$	`\operatorname{asin} x`
\operatorname*	$\operatorname*{asin}_{y}\, x$	`\operatorname*{asin}\limits_y x`
\operatornamewithlimits	$\operatorname*{asin}_{y}\, x$	`\operatornamewithlimits{asin}\limits_y x`
\oplus	$\oplus$	
\or	Not supported	
\origof	⊶	
\oslash	$\oslash$	
\otimes	$\otimes$	
\over	$\frac{a+1}{b+2}+c$	`{a+1 \over b+2}+c`
\overbrace	$\overbrace{x+\cdots+x}^{n\text{ times}}$	`\overbrace{x+⋯+x}^{n\text{ times}}`
\overbracket	Not supported	
\overgroup	$\overgroup{AB}$	`\overgroup{AB}`
\overleftarrow	$\overleftarrow{AB}$	`\overleftarrow{AB}`
\overleftharpoon	$\overleftharpoon{AB}$	`\overleftharpoon{AB}`
\overleftrightarrow	$\overleftrightarrow{AB}$	`\overleftrightarrow{AB}`

Symbol/Function	Rendered	Source or Comment
\overline	$\overline{\text{a long argument}}$	`\overline{\text{a long argument}}`
\overlinesegment	$\overline{AB}$	`\overlinesegment{AB}`
\overparen	Not supported	See `\overgroup`
\Overrightarrow	$\overrightarrow{AB}$	`\Overrightarrow{AB}`
\overrightarrow	$\overrightarrow{AB}$	`\overrightarrow{AB}`
\overrightharpoon	$\overrightharpoon{ac}$	`\overrightharpoon{ac}`
\overset	$\overset{!}{=}$	`\overset{!}{=}`
\overwithdelims	Not supported	
\owns	$\ni$	

16 P

Symbol/Function	Rendered	Source or Comment
\P	¶	`\text{\P}`
\pagecolor	Not supported	Deprecated
\parallel	$\parallel$	
\part	Not supported	Deprecated
\partial	∂	
\perp	$\perp$	
\phantom	Γ^{j}_{ik}	`\Gamma^{\phantom{i}j}_{i\phantom{j}k}`
\phase	$\phase{-78^\circ}$	`\phase{-78^\circ}`
\Phi	Φ	
\phi	ϕ	
\Pi	Π	
\pi	π	
{picture}	Not supported	
\pitchfork	$\pitchfork$	
\plim	plim	
\plusmn	$\pm$	

Symbol/Function	Rendered	Source or Comment
\pm	$\pm$	
\pmatrix	Not supported	See `{pmatrix}`
{pmatrix}	$\begin{pmatrix} a & b \\ c & d \end{pmatrix}$	`\begin{pmatrix}` `a & b \\` `c & d` `\end{pmatrix}`
{pmatrix*}	$\begin{pmatrix*}[r] 0 & -1 \\ -1 & 0 \end{pmatrix*}$	`\begin{pmatrix*}[r]` `0 & -1 \\` `-1 & 0` `\end{pmatrix*}`
\pmb	$\pmb{\mu}$	`\pmb{\mu}`
\pmod	$x \pmod a$	`x\pmod a`
\pod	$x \pod a$	`x \pod a`
\pounds	$\pounds$	
\Pr	$\Pr$	
\prec	$\prec$	
\precapprox	$\precapprox$	
\preccurlyeq	$\preccurlyeq$	
\preceq	$\preceq$	
\precnapprox	$\precnapprox$	
\precneqq	$\precneqq$	
\precnsim	$\precnsim$	
\precsim	$\precsim$	
\prime	$\prime$	
\prod	$\prod$	
\projlim	$\projlim$	`\projlim`
\propto	$\propto$	
\providecommand	Hello	`\providecommand\greet{\text{Hello}} \greet`
\psi	ψ	
\Psi	Ψ	

Symbol/Function	Rendered	Source or Comment
\pu	123 $\frac{\mathrm{kJ}}{\mathrm{mol}}$	`\pu{123 kJ//mol}` Requires an extension

17 QR

Symbol/Function	Rendered	Source or Comment
\Q	Not supported	See `\Bbb{Q}`
\qquad	$a \qquad b$	`a\qquad\qquad{b}`
\quad	$a \quad b$	`a\quad\quad{b}`
\R	$\mathbb{R}$	
\r	$\mathring{\mathrm{a}}$	`\text{\r{a}}`
\raise	Not supported	see `\raisebox`
\raisebox	$h^{\mathrm{ighe}}{}_{r}$	`h\raisebox{2pt}{$ighe$}r`
\rang	$\langle A\rangle$	`\langle A\rang`
\rangle	$\langle A\rangle$	`\langle A\rangle`
\Rarr	$\Rightarrow$	
\rArr	$\Rightarrow$	
\rarr	$\rightarrow$	
\ratio	:	
\rBrace	$\}\!\}$	
\rbrace	}	
\rbrack	]	
{rcases}	$\begin{cases} a & \text{if } b \\ c & \text{if } d \end{cases}$	`\begin{rcases}` `a &\text{if } b \\` `c &\text{if } d` `\end{rcases}`
\rceil	⌉	
\Re	$\Re$	
\real	$\Re$	
\Reals	$\mathbb{R}$	

Symbol/Function	Rendered	Source or Comment
\reals	$\mathbb{R}$	
\ref	Not supported	Issue #350
\relax		
\renewcommand	Ahoy!	`\def\hail{Hi!}` `\renewcommand\hail{\text{Ahoy!}}` `\hail`
\renewenvironment	Not supported	
\require	Not supported	
\restriction	$\restriction$	
\rfloor	$\rfloor$	
\rgroup	$\rgroup$	
\rhd	$\rhd$	
\Rho	P	
\rho	ρ	
\right	$\frac{a}{b}\right)$	`\left.\dfrac a b\right)`
\Rightarrow	$\Rightarrow$	
\rightarrow	$\rightarrow$	
\rightarrowtail	$\rightarrowtail$	
\rightharpoondown	$\rightharpoondown$	
\rightharpoonup	$\rightharpoonup$	
\rightleftarrows	$\rightleftarrows$	
\rightleftharpoons	$\rightleftharpoons$	
\rightrightarrows	$\rightrightarrows$	
\rightsquigarrow	$\rightsquigarrow$	
\rightthreetimes	$\rightthreetimes$	
\risingdotseq	$\risingdotseq$	
\rlap	$=\rlap{\,/}{=}$	`\rlap{\,/}{=}`
\rm	AaBb12	`\rm AaBb12`
\rmoustache	$\rmoustache$	

Symbol/Function	Rendered	Source or Comment
\root	Not supported	
\rotatebox	Not supported	Issue #681
\rparen	)	
\rq	′	
\rrbracket	⟧	
\Rrightarrow	⇛	
\Rsh	↱	
\rtimes	⋊	
\Rule	Not supported	see `\rule`
\rule	$x\rule{}x$	`x\rule[6pt]{2ex}{1ex}x`
\rVert	‖	
\rvert	|	

18 S

Symbol/Function	Rendered	Source or Comment
\S	§	`\text{\S}`
\Sampi	Not supported	
\sampi	Not supported	
\sc	Not supported	Issue #471
\scalebox	Not supported	
\scr	Not supported	See `\mathscr`
\scriptscriptstyle	$\frac{c}{d}$	`\scriptscriptstyle \frac cd`
\scriptsize	*scriptsize*	`\scriptsize scriptsize`
\scriptstyle	$\frac{a}{b} + \frac{c}{d}$	`\frac ab + {\scriptstyle \frac cd}`
\sdot	·	
\searrow	↘	
\sec	sec	
\sect	§	`\text{\sect}`

Symbol/Function	Rendered	Source or Comment
\setlength	Not supported	Issue #687
\setminus	\	
\sf	AaBb123	`\sf AaBb123`
\sharp	♯	
\shortmid	∣	
\shortparallel	∥	
\shoveleft	Not supported	
\shoveright	Not supported	
\sideset	Not supported	
\Sigma	Σ	
\sigma	σ	
\sim	∼	
\simcolon	∼:	
\simcoloncolon	∼::	
\simeq	≃	
\sin	sin	
\sinh	sinh	
\sixptsize	*sixptsize*	`\sixptsize sixptsize`
\sh	sh	
\skew	Not supported	
\skip	Not supported	
\sl	Not supported	
\small	*small*	`\small small`
\smallfrown	⌢	
\smallint	∫	
{smallmatrix}	$\begin{smallmatrix} a & b \\ c & d \end{smallmatrix}$	`\begin{smallmatrix}` `a & b \\` `c & d` `\end{smallmatrix}`

Symbol/Function	Rendered	Source or Comment
\smallsetminus	∖	
\smallsmile	⌣	
\smash	(x^2)	`\left(x^{\smash{2}}\right)`
\smile	⌣	
\smiley	Not supported	
\sout	~~abc~~	`\sout{abc}`
\Space	Not supported	see `\space`
\space	$a\ b$	`a\space b`
\spades	♠	
\spadesuit	♠	
\sphericalangle	∢	
{split}	$$a = b + c \\ = e + f \quad (10)$$	`\begin{equation}` `\begin{split}` `a &=b+c\\` `&=e+f` `\end{split}` `\end{equation}`
\sqcap	⊓	
\sqcup	⊔	
\square	□	
\sqrt	$\sqrt[3]{x}$	`\sqrt[3]{x}`
\sqsubset	⊏	
\sqsubseteq	⊑	
\sqsupset	⊐	
\sqsupseteq	⊒	
\ss	ß	`\text{\ss}`
\stackrel	$\stackrel{!}{=}$	`\stackrel{!}{=}`
\star	⋆	
\Stigma	Not supported	
\stigma	Not supported	

Symbol/Function	Rendered	Source or Comment
\strut	Not supported	
\style	Not supported	Non standard
\sub	$\subset$	
{subarray}	Not supported	
\sube	$\subseteq$	
\Subset	$\Subset$	
\subset	$\subset$	
\subseteq	$\subseteq$	
\subseteqq	$\subseteqq$	
\subsetneq	$\subsetneq$	
\subsetneqq	$\subsetneqq$	
\substack	$\sum_{\substack{0<i<m \\ 0<j<n}}$	`\sum_{\substack{0<i<m\\0<j<n}}`
\succ	$\succ$	
\succapprox	$\succapprox$	
\succcurlyeq	$\succcurlyeq$	
\succeq	$\succeq$	
\succnapprox	$\succnapprox$	
\succneqq	$\succneqq$	
\succnsim	$\succnsim$	
\succsim	$\succsim$	
\sum	$\sum$	
\sup	sup	
\supe	$\supseteq$	
\Supset	$\Supset$	
\supset	$\supset$	
\supseteq	$\supseteq$	
\supseteqq	$\supseteqq$	

Symbol/Function	Rendered	Source or Comment
\supsetneq	$\supsetneq$	
\supsetneqq	$\supsetneqq$	
\surd	$\surd$	
\swarrow	$\swarrow$	

19 T

Symbol/Function	Rendered	Source or Comment
\tag	$a^2+b^2=c^2 \quad (3.1c)$	`\tag{3.1c} a^2+b^2=c^2`
\tag*	$a^2+b^2=c^2 \quad 3.1c$	`\tag*{3.1c} a^2+b^2=c^2`
\tan	$\tan$	
\tanh	$\tanh$	
\Tau	T	
\tau	τ	
\tbinom	$\binom{n}{k}$	`\tbinom n k`
\TeX	TEX	
\text	yes & no	`\text{ yes }\&\text{ no }`
\textasciitilde	~	`\text{\textasciitilde}`
\textasciicircum	^	`\text{\textasciicircum}`
\textbackslash	\	`\text{\textbackslash}`
\textbar	|	`\text{\textbar}`
\textbardbl	‖	`\text{\textbardbl}`
\textbf	**AaBb123**	`\textbf{AaBb123}`
\textbraceleft	{	`\text{\textbraceleft}`
\textbraceright	}	`\text{\textbraceright}`
\textcircled	ⓐ	`\text{\textcircled a}`
\textcolor	$\textcolor{blue}{F=ma}$	`\textcolor{blue}{F=ma}`
\textdagger	†	`\text{\textdagger}`

Symbol/Function	Rendered	Source or Comment
\textdaggerdbl	‡	`\text{\textdaggerdbl}`
\textdegree	°	`\text{\textdegree}`
\textdollar	$	`\text{\textdollar}`
\textellipsis	…	`\text{\textellipsis}`
\textemdash	—	`\text{\textemdash}`
\textendash	–	`\text{\textendash}`
\textgreater	>	`\text{\textgreater}`
\textit	*AaBb*	`\textit{AaBb}`
\textless	<	`\text{\textless}`
\textmd	AaBb123	`\textmd{AaBb123}`
\textnormal	AB	`\textnormal{AB}`
\textquotedblleft	“	`\text{\textquotedblleft}`
\textquotedblright	”	`\text{\textquotedblright}`
\textquoteleft	‘	`\text{\textquoteleft}`
\textquoteright	’	`\text{\textquoteright}`
\textregistered	®	`\text{\textregistered}`
\textrm	AaBb123	`\textrm{AaBb123}`
\textsc	Not supported	Issue #471
\textsf	AaBb123	`\textsf{AaBb123}`
\textsl	Not supported	
\textsterling	£	`\text{\textsterling}`
\textstyle	$\sum_0^n$	`\textstyle\sum_0^n`
\texttip	Not supported	
\texttt	AaBb123	`\texttt{AaBb123}`
\textunderscore	_	`\text{\textunderscore}`
\textup	AaBb123	`\textup{AaBb123}`
\textvisiblespace	Not supported	
\tfrac	$\frac{a}{b}$	`\tfrac ab`

Symbol/Function	Rendered	Source or Comment
\tg	tg	
\th	th	
\therefore	∴	
\Theta	Θ	
\theta	θ	
\thetasym	ϑ	
\thickapprox	≈	
\thicksim	∼	
\thickspace	$a\ b$	`a\thickspace b`
\thinspace	$a\,b$	`a\thinspace b`
\tilde	$\tilde{M}$	`\tilde M`
\times	×	
\Tiny	Not supported	see `\tiny`
\tiny	tiny	`\tiny tiny`
\to	→	
\toggle	Not supported	
\top	⊤	
\triangle	△	
\triangledown	▽	
\triangleleft	◁	
\trianglelefteq	⊴	
\triangleq	≜	
\triangleright	▷	
\trianglerighteq	⊵	
\tt	AaBb123	`{\tt AaBb123}`
\twoheadleftarrow	↞	
\twoheadrightarrow	↠	

20 U

Symbol/Function	Rendered	Source or Comment
\u	$\breve{a}$	`\text{\u{a}}`
\Uarr	$\Uparrow$	
\uArr	$\Uparrow$	
\uarr	$\uparrow$	
\ulcorner	$\ulcorner$	
\underbar	$\underline{X}$	`\underbar{X}`
\underbrace	$\underbrace{x+\cdots+x}_{n\text{ times}}$	`\underbrace{x+⋯+x}_{n\text{ times}}`
\underbracket	Not supported	
\undergroup	$\undergroup{AB}$	`\undergroup{AB}`
\underleftarrow	$\underleftarrow{AB}$	`\underleftarrow{AB}`
\underleftrightarrow	$\underleftrightarrow{AB}$	`\underleftrightarrow{AB}`
\underrightarrow	$\underrightarrow{AB}$	`\underrightarrow{AB}`
\underline	$\underline{\text{a long argument}}$	`\underline{\text{a long argument}}`
\underlinesegment	$\underlinesegment{AB}$	`\underlinesegment{AB}`
\underparen	Not supported	See `\undergroup`
\underrightarrow	$\underrightarrow{AB}$	`\underrightarrow{AB}`
\underset	$\underset{!}{=}$	`\underset{!}{=}`
\unicode	Not supported	
\unlhd	$\trianglelefteq$	
\unrhd	$\trianglerighteq$	
\up	Not supported	
\Uparrow	$\Uparrow$	
\uparrow	$\uparrow$	
\Updownarrow	$\Updownarrow$	
\updownarrow	$\updownarrow$	
\upharpoonleft	$\upharpoonleft$	

Symbol/Function	Rendered	Source or Comment
\upharpoonright	$\restriction$	
\uplus	$\uplus$	
\uproot	Not supported	
\upshape	Not supported	
\Upsilon	Υ	
\upsilon	υ	
\upuparrows	$\upuparrows$	
\urcorner	$\urcorner$	
\url	\url	`\url{https://katex.org/}` Requires `trust` option
\utilde	AB	`\utilde{AB}`

21 V

Symbol/Function	Rendered	Source or Comment
\v	$\text{\v{a}}$	`\text{\v{a}}`
\varcoppa	Not supported	
\varDelta	$\varDelta$	
\varepsilon	ε	
\varGamma	$\varGamma$	
\varinjlim	$\varinjlim$	`\varinjlim`
\varkappa	$\varkappa$	
\varLambda	$\varLambda$	
\varliminf	$\varliminf$	`\varliminf`
\varlimsup	$\varlimsup$	`\varlimsup`
\varnothing	$\varnothing$	
\varOmega	$\varOmega$	
\varPhi	$\varPhi$	
\varphi	φ	
\varPi	$\varPi$	

Symbol/Function	Rendered	Source or Comment
\varpi	ϖ	
\varprojlim	$\varprojlim$	`\varprojlim`
\varpropto	$\varpropto$	
\varPsi	$\varPsi$	
\varrho	ϱ	
\varSigma	$\varSigma$	
\varsigma	ς	
\varstigma	Not supported	
\varsubsetneq	$\varsubsetneq$	
\varsubsetneqq	$\varsubsetneqq$	
\varsupsetneq	$\varsupsetneq$	
\varsupsetneqq	$\varsupsetneqq$	
\varTheta	$\varTheta$	
\vartheta	ϑ	
\vartriangle	$\vartriangle$	
\vartriangleleft	$\vartriangleleft$	
\vartriangleright	$\vartriangleright$	
\varUpsilon	$\varUpsilon$	
\varXi	$\varXi$	
\vcentcolon	$\vcentcolon$	`\mathrel{\vcentcolon =}`
\vcenter	$a+\left(\vcenter{\hbox{$\frac{\frac a b}c$}}\right)$	`a+\left(\vcenter{\hbox{$\frac{\frac a b}c$}}\right)` TeX (strict) syntax
\vcenter	$a+\left(\vcenter{\frac{\frac a b}c}\right)$	`a+\left(\vcenter{\frac{\frac a b}c}\right)` non-strict syntax
\Vdash	$\Vdash$	
\vDash	$\vDash$	
\vdash	$\vdash$	
\vdots	$\vdots$	
\vec	$\vec{F}$	`\vec{F}`

Symbol/Function	Rendered	Source or Comment
\vee	$\vee$	
\veebar	$\veebar$	
\verb	**\frac a b**	`\verb!\frac a b!`
\Vert	$\Vert$	
\vert	$\vert$	
\vfil	Not supported	
\vfill	Not supported	
\vline	Not supported	Issue #269
{Vmatrix}	$\begin{Vmatrix} a & b \\ c & d \end{Vmatrix}$	`\begin{Vmatrix}` `a & b \\` `c & d` `\end{Vmatrix}`
{Vmatrix*}	$\begin{Vmatrix*}[r] 0 & -1 \\ -1 & 0 \end{Vmatrix*}$	`\begin{Vmatrix*}[r]` `0 & -1 \\` `-1 & 0` `\end{Vmatrix*}`
{vmatrix}	$\begin{vmatrix} a & b \\ c & d \end{vmatrix}$	`\begin{vmatrix}` `a & b \\` `c & d` `\end{vmatrix}`
{vmatrix*}	$\begin{vmatrix*}[r] 0 & -1 \\ -1 & 0 \end{vmatrix*}$	`\begin{vmatrix*}[r]` `0 & -1 \\` `-1 & 0` `\end{vmatrix*}`
\vphantom	$\overline{a}$	`\overline{\vphantom{M}a}`
\Vvdash	$\Vvdash$	

22 W

Symbol/Function	Rendered	Source or Comment
\wedge	$\wedge$	
\weierp	$\wp$	

Symbol/Function	Rendered	Source or Comment
\widecheck	$\widecheck{AB}$	`\widecheck{AB}`
\widehat	$\widehat{AB}$	`\widehat{AB}`
\wideparen	Not supported	Issue #560
\widetilde	$\widetilde{AB}$	`\widetilde{AB}`
\wp	$\wp$	
\wr	$\wr$	

23 X

Symbol/Function	Rendered	Source or Comment
\xcancel	$\xcancel{ABC}$	`\xcancel{ABC}`
\xdef	a	`\def\foo{a}\xdef\bar{\foo}\def\foo{}\bar`
\Xi	Ξ	
\xi	ξ	
\xhookleftarrow	$\xhookleftarrow{abc}$	`\xhookleftarrow{abc}`
\xhookrightarrow	$\xhookrightarrow{abc}$	`\xhookrightarrow{abc}`
\xLeftarrow	$\xLeftarrow{abc}$	`\xLeftarrow{abc}`
\xleftarrow	$\xleftarrow{abc}$	`\xleftarrow{abc}`
\xleftharpoondown	$\xleftharpoondown{abc}$	`\xleftharpoondown{abc}`
\xleftharpoonup	$\xleftharpoonup{abc}$	`\xleftharpoonup{abc}`
\xLeftrightarrow	$\xLeftrightarrow{abc}$	`\xLeftrightarrow{abc}`
\xleftrightarrow	$\xleftrightarrow{abc}$	`\xleftrightarrow{abc}`
\xleftrightharpoons	$\xleftrightharpoons{abc}$	`\xleftrightharpoons{abc}`
\xlongequal	$\xlongequal{abc}$	`\xlongequal{abc}`
\xmapsto	$\xmapsto{abc}$	`\xmapsto{abc}`
\xRightarrow	$\xRightarrow{abc}$	`\xRightarrow{abc}`
\xrightarrow	$\xrightarrow{abc}$	`\xrightarrow{abc}`
\xrightharpoondown	$\xrightharpoondown{abc}$	`\xrightharpoondown{abc}`
\xrightharpoonup	$\xrightharpoonup{abc}$	`\xrightharpoonup{abc}`

Symbol/Function	Rendered	Source or Comment
\xrightleftharpoons	$\xrightleftharpoons{abc}$	`\xrightleftharpoons{abc}`
\xtofrom	$\xtofrom{abc}$	`\xtofrom{abc}`
\xtwoheadleftarrow	$\xtwoheadleftarrow{abc}$	`\xtwoheadleftarrow{abc}`
\xtwoheadrightarrow	$\xtwoheadrightarrow{abc}$	`\xtwoheadrightarrow{abc}`

24 YZ

Symbol/Function	Rendered	Source or Comment
\yen	¥	
\Z	$\mathbb{Z}$	
\Zeta	Z	
\zeta	ζ ˆ	

$$f(x) = \int_{-\infty}^{\infty} f\xi\, e^{2\pi i \xi x}\, d\xi$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

请注意：似乎 prince 对于下面的这种公式的支持并不好。

$$\begin{vmatrix} 0 & -1 \\ -1 & 0 \end{vmatrix}$$