

α	<code>\alpha</code>	θ	<code>\theta</code>	\circ	<code>\circ</code>	τ	<code>\tau</code>
β	<code>\beta</code>	ϑ	<code>\vartheta</code>	π	<code>\pi</code>	υ	<code>\upsilon</code>
γ	<code>\gamma</code>	Γ	<code>\gamma</code>	ϖ	<code>\varpi</code>	ϕ	<code>\phi</code>
δ	<code>\delta</code>	κ	<code>\kappa</code>	ρ	<code>\rho</code>	φ	<code>\varphi</code>
ϵ	<code>\epsilon</code>	λ	<code>\lambda</code>	ϱ	<code>\varrho</code>	χ	<code>\chi</code>
ε	<code>\varepsilon</code>	μ	<code>\mu</code>	σ	<code>\sigma</code>	ψ	<code>\psi</code>
ζ	<code>\zeta</code>	ν	<code>\nu</code>	ς	<code>\varsigma</code>	ω	<code>\omega</code>
η	<code>\eta</code>	ξ	<code>\xi</code>				
Γ	<code>\Gamma</code>	Λ	<code>\Lambda</code>	Σ	<code>\Sigma</code>	Ψ	<code>\Psi</code>
Δ	<code>\Delta</code>	Ξ	<code>\Xi</code>	Υ	<code>\Upsilon</code>	Ω	<code>\Omega</code>
Θ	<code>\Theta</code>	Π	<code>\Pi</code>	Φ	<code>\Phi</code>		

Table 1: Greek Letters

\pm	<code>\pm</code>	\cap	<code>\cap</code>	\diamond	<code>\diamond</code>	\oplus	<code>\oplus</code>
\mp	<code>\mp</code>	\cup	<code>\cup</code>	\triangleup	<code>\triangleup</code>	\ominus	<code>\ominus</code>
\times	<code>\times</code>	\uplus	<code>\uplus</code>	\triangledown	<code>\triangledown</code>	\otimes	<code>\otimes</code>
\div	<code>\div</code>	\sqcap	<code>\sqcap</code>	\triangleleft	<code>\triangleleft</code>	\oslash	<code>\oslash</code>
$*$	<code>\ast</code>	\sqcup	<code>\sqcup</code>	\triangleright	<code>\triangleright</code>	\odot	<code>\odot</code>
\star	<code>\star</code>	\vee	<code>\vee</code>	\lhd^b	<code>\lhd^b</code>	\bigcirc	<code>\bigcirc</code>
\circ	<code>\circ</code>	\wedge	<code>\wedge</code>	\rhd^b	<code>\rhd^b</code>	\dagger	<code>\dagger</code>
\bullet	<code>\bullet</code>	\setminus	<code>\setminus</code>	$\lhd\lhd^b$	<code>\lhd\lhd^b</code>	\ddagger	<code>\ddagger</code>
\cdot	<code>\cdot</code>	\wr	<code>\wr</code>	$\lhd\rhd^b$	<code>\lhd\rhd^b</code>	\amalg	<code>\amalg</code>
$+$	<code>+</code>	$-$	<code>-</code>				

^b Not predefined in a format based on `basefont.tex`. Use one of the style options `oldlfont`, `newlfont`, `amsfonts` or `amssymb`.

Table 2: Binary Operation Symbols

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

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Table 3: Relation Symbols

, , ; ; : `\colon` . `\ldotp` · `\cdotp`

Table 4: Punctuation Symbols

\leftarrow	$\backslash leftarrow$	\longleftarrow	$\backslash longleftarrow$	\uparrow	$\backslash uparrow$
\Leftarrow	$\backslash Leftarrow$	\Longleftarrow	$\backslash Longleftarrow$	\Updownarrow	$\backslash Updownarrow$
\rightarrow	$\backslash rightarrow$	\longrightarrow	$\backslash longrightarrow$	\Downarrow	$\backslash Downarrow$
\Rightarrow	$\backslash Rightarrow$	\Longrightarrow	$\backslash Longrightarrow$	\Downarrow	$\backslash Downarrow$
\leftrightarrow	$\backslash leftrightarrow$	\longleftrightarrow	$\backslash longleftrightarrow$	\Updownarrow	$\backslash updownarrow$
\Leftrightarrow	$\backslash Leftrightarrow$	\Longleftrightarrow	$\backslash Longleftrightarrow$	\Updownarrow	$\backslash Updownarrow$
\mapsto	$\backslash mapsto$	\longmapsto	$\backslash longmapsto$	\nearrow	$\backslash nearrow$
\hookleftarrow	$\backslash hookleftarrow$	\hookrightarrow	$\backslash hookrightarrow$	\searrow	$\backslash searrow$
\leftharpoonup	$\backslash leftharpoonup$	\rightharpoonup	$\backslash rightharpoonup$	\swarrow	$\backslash swarrow$
\leftharpoonondown	$\backslash leftharpoonondown$	\rightharpoonondown	$\backslash rightharpoonondown$	\nwarrow	$\backslash nwarrow$
\rightleftharpoons	$\backslash rightleftharpoons$	\leadsto	$\backslash leadsto^b$		

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Table 5: Arrow Symbols

...	\ldots	$\backslash ldots$...	\cdots	$\backslash cdots$:	\vdots	$\backslash vdots$..	\ddots	$\backslash ddots$
\aleph	\aleph	$'$	\prime	\forall	\forall	\exists	\exists	∞	∞	$\backslash infty$	
\hbar	\hbar	\emptyset	\emptyset	\emptyset	\emptyset	\exists	\exists	\Box	\Box	$\backslash Box^b$	
i	i	\imath	\imath	∇	∇	\neg	\neg	\Diamond	\Diamond	$\backslash Diamond^b$	
j	j	\jmath	\jmath	\surd	\surd	\flat	\flat	\triangle	\triangle	$\backslash triangle$	
ℓ	ℓ	ℓ	ℓ	\top	\top	\natural	\natural	\clubsuit	\clubsuit	$\backslash clubsuit$	
\wp	\wp	\perp	\perp	\bot	\bot	\sharp	\sharp	\diamondsuit	\diamondsuit	$\backslash diamondsuit$	
\Re	\Re	\parallel	\parallel	$\backslash \parallel$	$\backslash \parallel$	$\backslash \backslash$	$\backslash \backslash$	\heartsuit	\heartsuit	$\backslash heartsuit$	
\Im	\Im	\angle	\angle	\angle	\angle	∂	∂	\spadesuit	\spadesuit	$\backslash spadesuit$	
\mho	\mho	b	b	$.$	$.$	$ $	$ $				

^b Not predefined in a format based on `basefont.tex`. Use one of the style options `oldlfnt`, `newlfnt`, `amsfonts` or `amssymb`.

Table 6: Miscellaneous Symbols

\sum	$\backslash sum$	\bigcap	$\backslash bigcap$	\odot	$\backslash bigodot$
\prod	$\backslash prod$	\bigcup	$\backslash bigcup$	\otimes	$\backslash bigotimes$
\coprod	$\backslash coprod$	\sqcup	$\backslash bigsqcup$	\oplus	$\backslash bigoplus$
\int	$\backslash int$	\bigvee	$\backslash bigvee$	\uplus	$\backslash biguplus$
\oint	$\backslash oint$	\wedge	$\backslash bigwedge$		

Table 7: Variable-sized Symbols

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

Table 8: Log-like Symbols

(())	↑	\uparrow	↑	\Uparrow
[[]]	↓	\downarrow	↓	\Downarrow
{	\{	}	\}	↑↓	\updownarrow	↑↓	\Updownarrow
└	\lfloor	┘	\rfloor	└─┐	\lceil	┐	\rceil
⟨	\langle	⟩	\rangle	/ /		＼	\backslash
			\				

Table 9: Delimiters

{	\rmoustache	{	\lmoustache	}	\rgroup	{	\lgroup
	\arrowvert		\Arrowvert		\bracevert		

Table 10: Large Delimiters

\hat{a} \hat{a} \acute{a} \acute{a} \bar{a} \bar{a} \dot{a} \dot{a} \ddot{a} \ddot{a} \breve{a} \breve{a}
 \check{a} \check{a} \grave{a} \grave{a} \vec{a} \vec{a} \ddot{a} \ddot{a} \tilde{a} \tilde{a}

Table 11: Math mode accents

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

Table 12: Some other constructions

	newlfont/margid	oldlfont/nomargid	Required style option
ABCdef	\mathrm{ABCdef}	{\mathrm ABCdef}	
\mathcal{ABC}	\cal{ABC}	{\cal ABC}	
\mathfrak{ABCdef}	\frak{ABCdef}	{\frak ABCdef}	amsfonts or amssymb
\mathbb{ABC}	\Bbb{ABC}	{\Bbb ABC}	amsfonts or amssymb

Table 13: Math Alphabets