

New Symbols for EXP 6.0

Miscellaneous Math

\beth	beth	\diamond	lozenge	\textcircled{S}	circledS
\gimel	gimel	\blacklozenge	blacklozenge	\backprime	backprime
\daleth	daleth	\blacktriangle	blacktriangle	\emptyset	varnothing
\hslash	hslash	\blacktriangledown	blacktriangledown	∇	triangledown
\Bbbk	Bbbk	\diagup	diagup		
\complement	complement	\diagdown	diagdown		

Binary Operations

$\dot{+}$	dotplus	\cup	Cup	\times	leftthreetimes
\smallsetminus	smallsetminus	\cap	Cap	\times	rightthreetimes
\oplus	circleddash	\curlywedge	curlywedge	\ast	divideontimes
\otimes	circledast	\curlyvee	curlyvee	\cdot	centerdot
\odot	circledcirc	$\bar{\wedge}$	barwedge	$\bar{\wedge}$	doublebarwedge
\intercal	intercal	\veebar	veebar		

Relations

\subseteq	Subset	\subseteqq	subsubseteq	\trianglelefteq	triangleleft
\supseteq	Supset	\supseteqq	supsubseteq	\triangleangleright	vartriangle
\approx	lessapprox	\preccurlyeq	precapprox	\blacktriangleleft	blacktriangleleft
\gtrapprox	gtrapprox	\succcurlyeq	succapprox	\blacktriangleright	blacktriangleright

Negated Relations

\nsubseteq	lneg	$\not\subseteqq$	subsetneq	\ntrianglelefteq	precneqq
$\not\supseteq$	gneq	$\not\supseteqq$	supsetneq	$\not\triangleangleright$	succneqq
\nsubseteqq	lnegq	$\not\varsubsetneq$	varsubsetneq	$\not\triangleleft$	precnsim
$\not\supseteqq$	gneqq	$\not\varsupsetneq$	varsupsetneq	$\not\blacktriangleleft$	succnsim
\nlsim	lnsim	$\not\subseteqq$	subsubseteq	$\not\preccurlyeq$	precnapprox
\ngsim	gnsim	$\not\supseteqq$	supsubseteq	$\not\succcurlyeq$	succnapprox
\lnapprox	lnapprox	$\not\varsubsetneqq$	varsubsetneqq		
\gnapprox	gnapprox	$\not\varsupsetneqq$	varsupsetneqq		

Arrow Relations

\twoheadleftarrow	twoheadleftarrow	\Lleftarrow	Lleftarrow	\Uparrow	uharpoonleft
\twoheadrightarrow	twoheadrightarrow	\Rrightarrow	Rrightarrow	\Uparrow	uharpoonright
\leftarrowtail	leftarrowtail	\Lsh	Lsh	\Downarrow	dharpoonleft
\rightarrowtail	rightarrowtail	\Rsh	Rsh	\Downarrow	dharpoonright
\looparrowleft	looparrowleft				
\looparrowright	looparrowright				

Aliases

Symbol	Standard Name	Alias Name(s)
\upharpoonright	uharpoonright	restriction

New Symbols for EXP 5.1

Lowercase Greek

F digamma \varkappa varkappa

Miscellaneous Math

$\tilde{\sim}$	mathtilde	\top	top	\square	square
$\tilde{\sim}$	mathtilde1	$\hat{\sim}$	hat1	\Finv	Finv
$\tilde{\sim}$	mathtilde2	$\hat{\sim}$	hat2	\Game	Game
$\tilde{\sim}$	mathtilde3	$\hat{\sim}$	hat3	\mho	mho
$\tilde{\sim}$	mathtilde4	$\hat{\sim}$	hat4	\eth	eth

Binary Operations

\bigcirc	bigcirc	\ltimes	ltimes	\rtimes	rtimes
\boxplus	boxplus	\boxminus	boxminus	\boxtimes	boxtimes
\boxdot	boxdot				

Relations

\triangleleft	vartriangleleft	\triangleright	vartriangleright	\sqsubset	sqsubset
\trianglelefteq	trianglelefteq	\trianglerighteq	trianglerighteq	\sqsupset	sqsupset
\lessdot	lessdot	\gtrdot	gtrdot		

Arrow Relations

\Leftrightarrow	leftleftarrows	\Rrightarrow	rightrightarrow	\curvearrowleft	curvearrowleft
\Uparrow	uparrows	\Downarrow	downdownarrows	\curvearrowright	curvearrowright
\circlearrowleft	circlearrowleft	\circlearrowright	circlearrowright		

New Symbols for EXP 5.0

Miscellaneous Math

\sphericalangle measuredangle \sphericalcap sphericalangle

Relations

\leqq	leqq	\lesssim	lsim	\precsim	precsim
\geqq	geqq	\gtrsim	gsim	\succsim	succsim
\frown	arcup	\pitchfork	models	\cong	cong
\smile	arcdown				

Arrow Relations

\multimap	multimap	\mapsto	longmapsto	\Uparrow	udimply
\Updownarrow	updown	\longleftarrow	longleft	\Longleftarrow	longl imply
\Leftrightarrow	leftoverright	\longrightarrow	longright	\Longrightarrow	longr imply
\Rrightarrow	rightoverleft	\longleftrightarrow	longleftright	\Longleftrightarrow	longlr imply
\lharpoonup	lharpoonup	\rharpoonup	rharpoonup	\Lrharpoonright	lrharpoons
\lharpoondown	lharpoondown	\rharpoondown	rharpoondown	\Rrharpoonleft	rlharpoons
\nearrow	nearrow	\searrow	searrow	\swarrow	swarrow
\nwarrow	nwarrow	\hookleftarrow	hookleft	\hookrightarrow	hookright
\rightsquigarrow	rsquig	\rightsquigarrow	lrsquig		

Nonmath Symbols

\checkmark checkmark