Standard LaTeX symbols (package latexsym)
AMS symbols (package amssymb)
stmaryrd symbols (package stmaryrd)

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1 Standard Symbols

Table 1: Greek Letters

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

Table 2: Binary Operation Symbols (* only with package latexsym)

$\pm$ \pm	$\cap$ \cap	$\diamond$ \diamond	$\oplus$ \oplus
$\mp$ \mp	$\cup$ \cup	$\bigtriangleup$ \bigtriangleup	$\ominus$ \ominus
$\times$ \times	$\uplus$ \uplus	$\bigtriangledown$ \bigtriangledown	$\otimes$ \otimes
$\div$ \div	$\sqcap$ \sqcap	$\triangleleft$ \triangleleft	$\oslash$ \oslash
$\ast$ \ast	$\sqcup$ \sqcup	$\triangleright$ \triangleright	$\odot$ \odot
$\star$ \star	$\vee$ \vee	$\lhd^*$ \lhd*	$\bigcirc$ \bigcirc
$\circ$ \circ	$\wedge$ \wedge	$\rhd^*$ \rhd*	$\dagger$ \dagger
$\bullet$ \bullet	$\setminus$ \setminus	$\unlhd^*$ \unlhd*	$\ddagger$ \ddagger
$\cdot$ \cdot	$\wr$ \wr	$\unrhd^*$ \unrhd*	$\amalg$ \amalg
$+$ +	$-$ -		

Table 3: Relation Symbols (* only with package latexsym)

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

Table 4: Punctuation Symbols

, , ; ; : \colon . \ldotp $\cdot$ \cdotp

Table 5: Arrow Symbols (* only with package latexsym)

$\leftarrow$ \leftarrow	$\longleftarrow$ \longleftarrow	$\uparrow$ \uparrow
$\Leftarrow$ \Leftarrow	$\Longleftarrow$ \Longleftarrow	$\Uparrow$ \Uparrow
$\rightarrow$ \rightarrow	$\longrightarrow$ \longrightarrow	$\downarrow$ \downarrow
$\Rightarrow$ \Rightarrow	$\Longrightarrow$ \Longrightarrow	$\Downarrow$ \Downarrow
$\leftrightarrow$ \leftrightarrow	$\longleftrightarrow$ \longleftrightarrow	$\updownarrow$ \updownarrow
$\Leftrightarrow$ \Leftrightarrow	$\Longleftrightarrow$ \Longleftrightarrow	$\Updownarrow$ \Updownarrow
$\mapsto$ \mapsto	$\longmapsto$ \longmapsto	$\nearrow$ \nearrow
$\hookleftarrow$ \hookleftarrow	$\hookrightarrow$ \hookrightarrow	$\searrow$ \searrow
$\leftharpoonup$ \leftharpoonup	$\rightharpoonup$ \rightharpoonup	$\swarrow$ \swarrow
$\leftharpoondown$ \leftharpoondown	$\rightharpoondown$ \rightharpoondown	$\nwarrow$ \nwarrow
$\rightleftharpoons$ \rightleftharpoons	$\leadsto^*$ \leadsto*	

Table 6: Miscellaneous Symbols (* only with package latexsym)

… \ldots	⋯ \cdots	⋮ \vdots	⋱ \ddots
ℵ \aleph	′ \prime	∀ \forall	∞ \infty
ℏ \hbar	∅ \emptyset	∃ \exists	□ \Box*
ı \imath	∇ \nabla	¬ \neg	◇ \Diamond*
ȷ \jmath	√ \surd	♭ \flat	△ \triangle
ℓ \ell	⊤ \top	♮ \natural	♣ \clubsuit
℘ \wp	⊥ \bot	♯ \sharp	♢ \diamondsuit
ℜ \Re	‖ |	\ \backslash	♡ \heartsuit
ℑ \Im	∠ \angle	∂ \partial	♠ \spadesuit
℧ \mho*	. .	| |	

Table 7: Variable-sized Symbols

∑ \sum	⋂ \bigcap	⊙ \bigodot
∏ \prod	⋃ \bigcup	⊗ \bigotimes
∐ \coprod	⨆ \bigsqcup	⊕ \bigoplus
∫ \int	⋁ \bigvee	⨄ \biguplus
∮ \oint	⋀ \bigwedge	

Table 8: Log-like Symbols

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

Table 9: Delimiters

((	))	↑ \uparrow	⇑ \Uparrow
[[	]]	↓ \downarrow	⇓ \Downarrow
{ \{	} \}	↕ \updownarrow	⇕ \Updownarrow
⌊ \lfloor	⌋ \rfloor	⌈ \lceil	⌉ \rceil
⟨ \langle	⟩ \rangle	/ /	\ \backslash
∣ |	∥ \\|		

Table 10: Large Delimiters

⎱ \rmoustache	⎰ \lmoustache	⎱ \rgroup	⎰ \lgroup
∣ \arrowvert	∥ \Arrowvert	⎪ \bracevert	

Table 11: Math mode accents

$\hat{a}$ \hat{a}	$\acute{a}$ \acute{a}	$\bar{a}$ \bar{a}	$\dot{a}$ \dot{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 12: Some other constructions

$\widetilde{abc}$ \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}

2 AMS-Symbols

Table 13: AMS Delimiters (only with package amssymb)

⌜ \ulcorner ⌝ \urcorner ⌞ \llcorner ⌟ \lrcorner

Table 14: AMS Arrows (only with package amssymb)

⇢ \dashrightarrow	⇠ \dashleftarrow	⬱ \leftleftarrows
⇆ \leftrightarrows	⇚ \Lleftarrow	↞ \twoheadleftarrow
↢ \leftarrowtail	↫ \looparrowleft	⇋ \leftrightharpoons
↶ \curvearrowleft	↺ \circlearrowleft	↰ \Lsh
⇈ \upuparrows	↿ \upharpoonleft	⇃ \downharpoonleft
⊸ \multimap	↭ \leftrightsquigarrow	⇉ \rightrightarrows
⇄ \rightleftarrows	⇉ \rightrightarrows	⇄ \rightleftarrows
↠ \twoheadrightarrow	↣ \rightarrowtail	↬ \looparrowright
⇌ \rightleftharpoons	↷ \curvearrowright	↻ \circlearrowright
↱ \Rsh	⇊ \downdownarrows	↾ \upharpoonright
⇂ \downharpoonright	⇝ \rightsquigarrow	

Table 15: AMS Negated Arrows (only with package amssymb)

↚ \nleftarrow	↛ \nrightarrow	⇍ \nLeftarrow	⇏ \nRightarrow
↮ \nleftrightarrow	⇎ \nLeftrightarrow		

Table 16: AMS Greek (only with package amssymb)

$\digamma$ \digamma	$\varkappa$ \varkappa

Table 17: AMS Hebrew (only with package amssymb)

ב \beth	ד \daleth	ג \gimel

Table 18: AMS Miscellaneous (only with package amssymb)

$\hbar$ \hbar	$\hslash$ \hslash	$\vartriangle$ \vartriangle
$\triangledown$ \triangledown	$\square$ \square	$\lozenge$ \lozenge
$\circledS$ \circledS	$\angle$ \angle	$\measuredangle$ \measuredangle
$\nexists$ \nexists	$\mho$ \mho	$\Finv$ \Finv
$\Game$ \Game	$\Bbbk$ \Bbbk	$\backprime$ \backprime
$\varnothing$ \varnothing	$\blacktriangle$ \blacktriangle	$\blacktriangledown$ \blacktriangledown
$\blacksquare$ \blacksquare	$\blacklozenge$ \blacklozenge	$\bigstar$ \bigstar
$\sphericalangle$ \sphericalangle	$\complement$ \complement	$\eth$ \eth
$\diagup$ \diagup	$\diagdown$ \diagdown	

Table 19: AMS Binary Operators (only with package amssymb)

$\dotplus$ \dotplus	$\smallsetminus$ \smallsetminus	$\Cap$ \Cap
$\Cup$ \Cup	$\barwedge$ \barwedge	$\veebar$ \veebar
$\doublebarwedge$ \doublebarwedge	$\boxminus$ \boxminus	$\boxtimes$ \boxtimes
$\boxdot$ \boxdot	$\boxplus$ \boxplus	$\divideontimes$ \divideontimes
$\ltimes$ \ltimes	$\rtimes$ \rtimes	$\leftthreetimes$ \leftthreetimes
$\rightthreetimes$ \rightthreetimes	$\curlywedge$ \curlywedge	$\curlyvee$ \curlyvee
$\circleddash$ \circleddash	$\circledast$ \circledast	$\circledcirc$ \circledcirc
$\centerdot$ \centerdot	$\intercal$ \intercal	

Table 20: AMS Binary Relations (only with package amssymb)

$\leqq$ \leqq	$\leqslant$ \leqslant	$\eqslantless$ \eqslantless
$\lesssim$ \lesssim	$\lessapprox$ \lessapprox	$\approxeq$ \approxeq
$\lessdot$ \lessdot	$\lll$ \lll	$\lessgtr$ \lessgtr
$\lesseqgtr$ \lesseqgtr	$\lesseqqgtr$ \lesseqqgtr	$\doteqdot$ \doteqdot
$\risingdotseq$ \risingdotseq	$\fallingdotseq$ \fallingdotseq	$\backsim$ \backsim
$\backsimeq$ \backsimeq	$\subseteqq$ \subseteqq	$\Subset$ \Subset
$\sqsubset$ \sqsubset	$\preccurlyeq$ \preccurlyeq	$\curlyeqprec$ \curlyeqprec
$\precsim$ \precsim	$\precapprox$ \precapprox	$\vartriangleleft$ \vartriangleleft
$\trianglelefteq$ \trianglelefteq	$\vDash$ \vDash	$\Vvdash$ \Vvdash
$\smallsmile$ \smallsmile	$\smallfrown$ \smallfrown	$\bumpeq$ \bumpeq
$\Bumpeq$ \Bumpeq	$\geqq$ \geqq	$\geqslant$ \geqslant
$\eqslantgtr$ \eqslantgtr	$\gtrsim$ \gtrsim	$\gtrapprox$ \gtrapprox
$\gtrdot$ \gtrdot	$\ggg$ \ggg	$\gtrless$ \gtrless
$\gtreqless$ \gtreqless	$\gtreqqless$ \gtreqqless	$\eqcirc$ \eqcirc
$\circeq$ \circeq	$\triangleq$ \triangleq	$\thicksim$ \thicksim
$\thickapprox$ \thickapprox	$\supseteqq$ \supseteqq	$\Supset$ \Supset
$\sqsupset$ \sqsupset	$\succcurlyeq$ \succcurlyeq	$\curlyeqsucc$ \curlyeqsucc
$\succsim$ \succsim	$\succapprox$ \succapprox	$\vartriangleright$ \vartriangleright
$\trianglerighteq$ \trianglerighteq	$\Vdash$ \Vdash	$\shortmid$ \shortmid
$\shortparallel$ \shortparallel	$\between$ \between	$\pitchfork$ \pitchfork
$\varpropto$ \varpropto	$\blacktriangleleft$ \blacktriangleleft	$\therefore$ \therefore
$\backepsilon$ \backepsilon	$\blacktriangleright$ \blacktriangleright	$\because$ \because

Table 21: AMS Negated Binary Relations (only with package amssymb)

$\nless$ \nless	$\nleq$ \nleq	$\nleqslant$ \nleqslant
$\nleqq$ \nleqq	$\lneq$ \lneq	$\lneqq$ \lneqq
$\lvertneqq$ \lvertneqq	$\lnsim$ \lnsim	$\lnapprox$ \lnapprox
$\nprec$ \nprec	$\npreceq$ \npreceq	$\precnsim$ \precnsim
$\precnapprox$ \precnapprox	$\nsim$ \nsim	$\nshortmid$ \nshortmid
$\nmid$ \nmid	$\nvdash$ \nvdash	$\nvDash$ \nvDash
$\ntriangleleft$ \ntriangleleft	$\ntrianglelefteq$ \ntrianglelefteq	$\nsubseteq$ \nsubseteq
$\subsetneq$ \subsetneq	$\varsubsetneq$ \varsubsetneq	$\subsetneqq$ \subsetneqq
$\varsubsetneqq$ \varsubsetneqq	$\ngtr$ \ngtr	$\ngeq$ \ngeq
$\ngeqslant$ \ngeqslant	$\ngeqq$ \ngeqq	$\gneq$ \gneq
$\gneqq$ \gneqq	$\gvertneqq$ \gvertneqq	$\gnsim$ \gnsim
$\gnapprox$ \gnapprox	$\nsucc$ \nsucc	$\nsucceq$ \nsucceq
$\nsucceq$ \nsucceq	$\succnsim$ \succnsim	$\succnapprox$ \succnapprox
$\ncong$ \ncong	$\nshortparallel$ \nshortparallel	$\nparallel$ \nparallel
$\nvDash$ \nvDash	$\nVDash$ \nVDash	$\ntriangleright$ \ntriangleright
$\ntrianglerighteq$ \ntrianglerighteq	$\nsupseteq$ \nsupseteq	$\nsupseteqq$ \nsupseteqq
$\supsetneq$ \supsetneq	$\varsupsetneq$ \varsupsetneq	$\supsetneqq$ \supsetneqq
$\varsupsetneqq$ \varsupsetneqq		

3 “stmaryrd” symbols

Table 22: stmaryrd Delimiters (only with package stmaryrd)

$\Lbag$ \Lbag	$\Rbag$ \Rbag	$\lbag$ \lbag	$\rbag$ \rbag
$\llceil$ \llceil	$\rrceil$ \rrceil	$\llfloor$ \llfloor	$\rrfloor$ \rrfloor
$\llbracket$ \llbracket	$\rrbracket$ \rrbracket		

Table 23: stmaryrd Arrows (only with package stmaryrd)

⟸⟙ \Longmapsfrom	⟼⟹ \Longmapsto	⟾ \Mapsto
⇤ \Mapsfrom	↗ \nnearrow	↖ \nnwarrow
↘ \ssearrow	↙ \sswarrow	↓ \shortdownarrow
↑ \shortuparrow	← \shortleftarrow	→ \shortrightarrow
⟻ \longmapsfrom	↤ \mapsfrom	↞ \leftarrowtriangle
↠ \rightarrowtriangle	↯ \lightning	⦆ \rrparenthesis
⇿ \leftrightarroweq	↮ \leftrightarrowtriangle	

Table 24: stmaryrd Extension Characters (only with package stmaryrd)

⟊\Arrownot	↚\arrownot	⟙ \Mapsfromchar	⟘\Mapstochar
⟙ \mapsfromchar	⟘\mapstochar		

Table 25: stmaryrd Binary Operators (only with package stmaryrd)

⟒ \Ydown	⟙ \Yleft	⟘ \Yright
⟑ \Yup	⟠ \baro	⧵ \bbslash
⅋ \binampersand	⟅ \bindnasrepma	⊛ \boxast
◫ \boxbar	⧈ \boxbox	⧅ \boxbslash
⧇ \boxcircle	⊡ \boxdot	□ \boxempty
◪ \boxslash	⋎ \curlyveedownarrow	⋏ \curlyveeuparrow
⟇ \curlywedgedownarrow	⟈ \curlywedgeuparrow	⧹ \fatbslash
⨟ \fatsemi	⧸ \fatslash	⫴ \interleave
◅ \leftslice	⩛ \merge	⊖ \minuso
⧢ \moo	⨣ \nplus	⦶ \obar
□ \oblong	⦸ \obslash	⧁ \ogreaterthan
⧀ \olessthan	⦶ \ovee	⦵ \owedge
▻ \rightslice	⫽ \sslash	▯ \talloblong
◯ \varbigcirc	⋎ \varcurlyvee	⟇ \varcurlywedge
⊛ \varoast	⦶ \varobar	⦸ \varobslash
◎ \varocircle	⊙ \varodot	⧁ \varogreaterthan
⧀ \varolessthan	⊖ \varominus	⊕ \varoplus
⊘ \varoslash	⊗ \varotimes	⦶ \varovee
⦵ \varowedge	⨯ \vartimes	

Table 26: stmaryrd Large Binary Operators (only with package stmaryrd)

$\bigbox$ \bigbox	$\bigcurlyvee$ \bigcurlyvee	$\bigcurlywedge$ \bigcurlywedge
$\biginterleave$ \biginterleave	$\bignplus$ \bignplus	$\bigparallel$ \bigparallel
$\bigsqcap$ \bigsqcap	$\bigtriangledown$ \bigtriangledown	$\bigtriangleup$ \bigtriangleup

Table 27: stmaryrd Binary Relations (only with package stmaryrd)

$\inplus$ \inplus	$\niplus$ \niplus	$\subsetplus$ \subsetplus
$\subsetpluseq$ \subsetpluseq	$\supsetplus$ \supsetplus	$\supsetpluseq$ \supsetpluseq
$\trianglelefteqslant$ \trianglelefteqslant	$\triangleq$ \triangleq	

Table 28: stmaryrd Negated Binary Relations (only with package stmaryrd)

$\ntrianglelefteqslant$ \ntrianglelefteqslant	$\ntriangleq$ \ntriangleq

Table 29: Math Alphabets

Output	command	Required package
ABCdef	\mathrm{ABCdef}	
ABCdef	\mathit{ABCdef}	
ABCdef	\mathnormal{ABCdef}	
$\mathcal{ABC}$	\mathcal{ABC}	
$\mathcal{ABC}$	\mathcal{ABC}	\usepackage[mathcal]{euscript}
	\mathscr{ABC}	\usepackage[mathscr]{euscript}
$\mathfrak{ABCdef}$	\mathfrak{ABCdef}	\usepackage{eufrak}
$\mathbb{ABC}$	\mathbb{ABC}	\usepackage{amsfonts} oder \usepackage{amssymb}