α	\alpha	θ	\theta	o	o	τ	\tau
β	\beta	ϑ	\vartheta	π	\pi	υ	\upsilon
γ	\gamma	γ	\gamma	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 1: Greek Letters

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

Table 2: Binary Operation Symbols

$\leq$	\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	$\propto$	\propto
$\neq$	\neq	$\smile$	\smile	$\vdash$	\vdash	$\dashv$	\dashv
$\sqsubseteq$	\sqsubseteq	$\sqsupseteq$	\sqsupseteq	$\doteq$	\doteq	$\frown$	\frown
$\in$	\in	$\ni$	\ni	$=$	=	$>$	>
$<$	<	$:$	:				

Table 3: Relation Symbols

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

Table 4: Punctuation Symbols

$\leftarrow$	\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

Table 5: Arrow Symbols

$\ldots$	\ldots	$\cdots$	\cdots	$\vdots$	\vdots	$\ddots$	\ddots
$\aleph$	\aleph	$\prime$	\prime	$\forall$	\forall	∞	\infty
$\hbar$	\hbar	$\emptyset$	\emptyset	$\exists$	\exists	$\spadesuit$	\spadesuit
$\imath$	\imath	∇	\nabla	$\neg$	\neg	$\heartsuit$	\heartsuit
$\jmath$	\jmath	$\surd$	\surd	$\flat$	\flat	$\diamondsuit$	\diamondsuit
ℓ	\ell	$\top$	\top	$\natural$	\natural	$\clubsuit$	\clubsuit
$\wp$	\wp	$\bot$	\bot	$\sharp$	\sharp	∂	\partial
$\Re$	\Re	$\|$	|	$\backslash$	\backslash	$\triangle$	\triangle
$\Im$	\Im	$\angle$	\angle	.	.	$\|$	|

Table 6: Miscellaneous Symbols

$\sum$	\sum	$\bigcap$	\bigcap	$\bigodot$	\bigodot
$\prod$	\prod	$\bigcup$	\bigcup	$\bigotimes$	\bigotimes
$\coprod$	\coprod	$\bigsqcup$	\bigsqcup	$\bigoplus$	\bigoplus
$\int$	\int	$\bigvee$	\bigvee	$\biguplus$	\biguplus
$\oint$	\oint	$\bigwedge$	\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	$\Uparrow$	\Uparrow
[	[	]	]	$\downarrow$	\downarrow	$\Downarrow$	\Downarrow
{	\{	}	\}	$\updownarrow$	\updownarrow	$\Updownarrow$	\Updownarrow
$\lfloor$	\lfloor	$\rfloor$	\rfloor	$\lceil$	\lceil	$\rceil$	\rceil
$\langle$	\langle	$\rangle$	\rangle	/	/	$\backslash$	\backslash
$\|$	|	$\|$	|				

Table 9: Delimiters

$\rmoustache$	\rmoustache	$\lmoustache$	\lmoustache	$\rgroup$	\rgroup	$\lgroup$	\lgroup
$\arrowvert$	\arrowvert	$\Arrowvert$	\Arrowvert	$\bracevert$	\bracevert		

Table 10: Large Delimiters

$\hat{a}$	\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 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

$\mho$	\mho	$\Join$	\Join
$\Box$	\Box	$\Diamond$	\Diamond
$\sqsubset$	\sqsubset	$\sqsupset$	\sqsupset
$\lhd$	\lhd	$\rhd$	\rhd
$\unlhd$	\unlhd	$\unrhd$	\unrhd
$\leadsto$	\leadsto		

Table 13: Further symbols available with the `latexsym` package

$\boxdot$	\boxdot	$\boxplus$	\boxplus
$\boxtimes$	\boxtimes	$\square$	\square
$\blacksquare$	\blacksquare	$\centerdot$	\centerdot
$\lozenge$	\lozenge	$\blacklozenge$	\blacklozenge
$\circlearrowright$	\circlearrowright	$\circlearrowleft$	\circlearrowleft
$\rightleftharpoons$	\rightleftharpoons	$\leftrightharpoons$	\leftrightharpoons
$\boxminus$	\boxminus	$\Vdash$	\Vdash
$\Vvdash$	\Vvdash	$\vDash$	\vDash
$\twoheadrightarrow$	\twoheadrightarrow	$\twoheadleftarrow$	\twoheadleftarrow
$\leftleftarrows$	\leftleftarrows	$\rightrightarrows$	\rightrightarrows
$\upuparrows$	\upuparrows	$\downdownarrows$	\downdownarrows
$\upharpoonright$	\upharpoonright	$\downharpoonright$	\downharpoonright
$\upharpoonleft$	\upharpoonleft	$\downharpoonleft$	\downharpoonleft
$\rightarrowtail$	\rightarrowtail	$\leftarrowtail$	\leftarrowtail
$\leftrightarrows$	\leftrightarrows	$\rightleftarrows$	\rightleftarrows
$\Lsh$	\Lsh	$\Rsh$	\Rsh

Table 14: Some AMS symbols

$\rightsquigarrow$	\rightsquigarrow	$\leftrightsquigarrow$	\leftrightsquigarrow
$\looparrowleft$	\looparrowleft	$\looparrowright$	\looparrowright
$\circeq$	\circeq	$\succsim$	\succsim
$\gtrsim$	\gtrsim	$\gtrapprox$	\gtrapprox
$\multimap$	\multimap	$\therefore$	\therefore
$\because$	\because	$\doteqdot$	\doteqdot
$\triangleq$	\triangleq	$\precsim$	\precsim
$\lesssim$	\lesssim	$\lessapprox$	\lessapprox
$\eqslantless$	\eqslantless	$\eqslantgtr$	\eqslantgtr
$\curlyeqprec$	\curlyeqprec	$\curlyeqsucc$	\curlyeqsucc
$\preccurlyeq$	\preccurlyeq	$\leqq$	\leqq
$\leqslant$	\leqslant	$\lessgtr$	\lessgtr
$\backprime$	\backprime	$\risingdotseq$	\risingdotseq
$\fallingdotseq$	\fallingdotseq	$\succcurlyeq$	\succcurlyeq
$\geqq$	\geqq	$\geqslant$	\geqslant
$\gtrless$	\gtrless	$\sqsubset$	\sqsubset
$\sqsupset$	\sqsupset	$\vartriangleright$	\vartriangleright
$\vartriangleleft$	\vartriangleleft	$\trianglerighteq$	\trianglerighteq
$\trianglelefteq$	\trianglelefteq	$\bigstar$	\bigstar
$\between$	\between	$\blacktriangledown$	\blacktriangledown
$\blacktriangleright$	\blacktriangleright	$\blacktriangleleft$	\blacktriangleleft
$\vartriangle$	\vartriangle	$\blacktriangle$	\blacktriangle
$\triangledown$	\triangledown	$\eqcirc$	\eqcirc
$\lesseqgtr$	\lesseqgtr	$\gtreqless$	\gtreqless
$\lesseqqgtr$	\lesseqqgtr	$\gtreqqless$	\gtreqqless
$\Rrightarrow$	\Rrightarrow	$\Lleftarrow$	\Lleftarrow
$\veebar$	\veebar	$\barwedge$	\barwedge
$\doublebarwedge$	\doublebarwedge	$\angle$	\angle
$\measuredangle$	\measuredangle	$\sphericalangle$	\sphericalangle
$\varpropto$	\varpropto	$\smallsmile$	\smallsmile
$\smallfrown$	\smallfrown	$\Subset$	\Subset
$\Supset$	\Supset	$\Cup$	\Cup
$\Cap$	\Cap	$\curlywedge$	\curlywedge
$\curlyvee$	\curlyvee	$\leftthreetimes$	\leftthreetimes
$\rightthreetimes$	\rightthreetimes	$\subseteqq$	\subseteqq
$\supseteqq$	\supseteqq	$\bumpeq$	\bumpeq
$\Bumpeq$	\Bumpeq	$\lll$	\lll
$\ggg$	\ggg	$\circledS$	\circledS
$\pitchfork$	\pitchfork	$\dotplus$	\dotplus
$\backsim$	\backsim	$\backsimeq$	\backsimeq
$\complement$	\complement	$\intercal$	\intercal
$\circledcirc$	\circledcirc	$\circledast$	\circledast
$\circleddash$	\circleddash	$\ulcorner$	\ulcorner
$\urcorner$	\urcorner	$\llcorner$	\llcorner
$\lrcorner$	\lrcorner	$\yen$	\yen
$\checkmark$	\checkmark	$\circledR$	\circledR
$\maltese$	\maltese	$\lvertneqq$	\lvertneqq
$\gvertneqq$	\gvertneqq	$\nleq$	\nleq

Table 15: More AMS symbols

$\ngeq$	\ngeq	$\nless$	\nless
$\ngtr$	\ngtr	$\nprec$	\nprec
$\nsucc$	\nsucc	$\lneqq$	\lneqq
$\gneqq$	\gneqq	$\nleqslant$	\nleqslant
$\ngeqslant$	\ngeqslant	$\lneq$	\lneq
$\gneq$	\gneq	$\npreceq$	\npreceq
$\nsucceq$	\nsucceq	$\precnsim$	\precnsim
$\succnsim$	\succnsim	$\lnsim$	\lnsim
$\gnsim$	\gnsim	$\nleqq$	\nleqq
$\ngeqq$	\ngeqq	$\precneqq$	\precneqq
$\succneqq$	\succneqq	$\precnapprox$	\precnapprox
$\succnapprox$	\succnapprox	$\lnapprox$	\lnapprox
$\gnapprox$	\gnapprox	$\nsim$	\nsim
$\ncong$	\ncong	$\varsubsetneq$	\varsubsetneq
$\varsupsetneq$	\varsupsetneq	$\nsubseteqq$	\nsubseteqq
$\nsupseteqq$	\nsupseteqq	$\subsetneqq$	\subsetneqq
$\supsetneqq$	\supsetneqq	$\varsubsetneqq$	\varsubsetneqq
$\varsupsetneqq$	\varsupsetneqq	$\subsetneq$	\subsetneq
$\supsetneq$	\supsetneq	$\nsubseteq$	\nsubseteq
$\nsupseteq$	\nsupseteq	$\nparallel$	\nparallel
$\nmid$	\nmid	$\nshortmid$	\nshortmid
$\nshortparallel$	\nshortparallel	$\nvdash$	\nvdash
$\nVdash$	\nVdash	$\nvDash$	\nvDash
$\nVDash$	\nVDash	$\ntrianglerighteq$	\ntrianglerighteq
$\ntrianglelefteq$	\ntrianglelefteq	$\ntriangleleft$	\ntriangleleft
$\ntriangleright$	\ntriangleright	$\nleftarrow$	\nleftarrow
$\nrightarrow$	\nrightarrow	$\nLeftarrow$	\nLeftarrow
$\nRightarrow$	\nRightarrow	$\nLeftrightarrow$	\nLeftrightarrow
$\nleftrightarrow$	\nleftrightarrow	$\divideontimes$	\divideontimes
$\varnothing$	\varnothing	$\nexists$	\nexists
$\mho$	\mho		
$\beth$	\beth	$\gimel$	\gimel
$\daleth$	\daleth	$\lessdot$	\lessdot
$\gtrdot$	\gtrdot	$\ltimes$	\ltimes
$\rtimes$	\rtimes	$\shortmid$	\shortmid
$\shortparallel$	\shortparallel	$\smallsetminus$	\smallsetminus
$\thicksim$	\thicksim	$\thickapprox$	\thickapprox
$\approxeq$	\approxeq	$\succapprox$	\succapprox
$\precapprox$	\precapprox	$\curvearrowleft$	\curvearrowleft
$\curvearrowright$	\curvearrowright	$\digamma$	\digamma
$\varkappa$	\varkappa	$\hslash$	\hslash
$\hbar$	\hbar	$\backepsilon$	\backepsilon

Table 16: Even more AMS symbols

$\mathbb{A}\ \mathbb{B}\ \mathbb{C}\ \mathbb{D}\ \mathbb{E}\ \mathbb{F}$	`\mathbb A \mathbb B ...`
$\mathfrak{A}\ \mathfrak{B}\ \mathfrak{C}\ \mathfrak{D}\ \mathfrak{E}\ \mathfrak{F}$	`\mathfrak A \mathfrak B ...`
$\mathscr{A}\ \mathscr{B}\ \mathscr{C}\ \mathscr{D}\ \mathscr{E}\ \mathscr{F}$	`\mathscr A \mathscr B ...`

Table 17: Other symbol fonts available with `amssymb` and `mathrsfs`