UWCyrmn¡5¿wncyr5¡6¿wncyr6¡7¿wncyr7¡8¿wncyr8¡9¿wncyr9¡10¿wncyr10¡11¿wncyr10 at10.95pt¡12¿wncyr10 at12pt¡14¿wncyr10 at14.4pt¡17¿wncyr10 at17.28pt¡20¿wncyr10 at20.74pt¡25¿wncyr10 at24.88pt

eusmn¡5¿eusm5¡6¿eusm6¡7¿eusm7¡8¿eusm8¡9¿eusm9¡10¿eusm10¡11¿eusm10 at10.95pt¡12¿eusm10 at12pt¡14¿eusm10 at14.4pt¡17¿eusm10 at17.28pt¡20¿eusm10 at20.74pt¡25¿eusm10 at24.88pt

normalUWCyrmn normaleusmn

2060 2061 207C 231E 231F 230F

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`	$\bigtriangleup$	`\bigtriangleup`	$\ominus$	`\ominus`
$\times$	`\times`	$\uplus$	`\uplus`	$\bigtriangledown$	`\bigtriangledown`	$\otimes$	`\otimes`
$\div$	`\div`	$\sqcap$	`\sqcap`	$\triangleleft$	`\triangleleft`	$\oslash$	`\oslash`
$*$	`\ast`	$\sqcup$	`\sqcup`	$\triangleright$	`\triangleright`	$\odot$	`\odot`
$\star$	`\star`	$\vee$	`\vee`	$\lhd$[b]	`\lhd`[b]	$\bigcirc$	`\bigcirc`
$\circ$	`\circ`	$\wedge$	`\wedge`	$\rhd$[b]	`\rhd`[b]	$\dagger$	`\dagger`
$\bullet$	`\bullet`	$\setminus$	`\setminus`	$\unlhd$[b]	`\unlhd`[b]	$\ddagger$	`\ddagger`
$\cdot$	`\cdot`	$\wr$	`\wr`	$\unrhd$[b]	`\unrhd`[b]	$\amalg$	`\amalg`
$+$	`+`	$-$	`-`				

[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

$\leq$	`\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`	$\bowtie$	`\Join`[b]
$\sqsubset$[b]	`\sqsubset`[b]	$\sqsupset$[b]	`\sqsupset`[b]	$\neq$	`\neq`	$\smile$	`\smile`
$\sqsubseteq$	`\sqsubseteq`	$\sqsupseteq$	`\sqsupseteq`	$\doteq$	`\doteq`	$\frown$	`\frown`
$\in$	`\in`	$\ni$	`\ni`	$\propto$	`\propto`	$=$	`=`
$\vdash$	`\vdash`	$\dashv$	`\dashv`	$<$	`<`	$>$	`>`
$:$	`:`						

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

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`

$\ldots$	`\ldots`	$\cdots$	`\cdots`	$\vdots$	`\vdots`	$\ddots$	`\ddots`
$\aleph$	`\aleph`	$\prime$	`\prime`	$\forall$	`\forall`	∞	`\infty`
$\hbar$	`\hbar`	$\emptyset$	`\emptyset`	$\exists$	`\exists`	$\square$	`\Box`[b]
$\imath$	`\imath`	∇	`\nabla`	$\neg$	`\neg`	$\diamond$	`\Diamond`[b]
$\jmath$	`\jmath`	$\surd$	`\surd`	$\flat$	`\flat`	$\triangle$	`\triangle`
ℓ	`\ell`	$\top$	`\top`	$\natural$	`\natural`	$\clubsuit$	`\clubsuit`
$\wp$	`\wp`	$\bot$	`\bot`	$\sharp$	`\sharp`	$\diamondsuit$	`\diamondsuit`
$\Re$	`\Re`	$\Vert$	`\\|`	$\backslash$	`\backslash`	$\heartsuit$	`\heartsuit`
$\Im$	`\Im`	$\angle$	`\angle`	∂	`\partial`	$\spadesuit$	`\spadesuit`
$\mho$[b]	`\mho`[b]	.	.	$\vert$	`|`		

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

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`
$\vert$	`|`	$\Vert$	`\\|`				

Table 9: Delimiters

$\rmoustache$	`\rmoustache`	$\lmoustache$	`\lmoustache`	$\rgroup$	`\rgroup`	$\lgroup$	`\lgroup`
$\vert$	`\arrowvert`	$\Vert$	`\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

`\ulcorner`	`\urcorner`	`\llcorner`	`\lrcorner`

Table 13: AMS Delimiters

	`\dashrightarrow`	`\dashleftarrow`	`\leftleftarrows`	`\leftrightarrows`
	`\Lleftarrow`	`\twoheadleftarrow`	`\leftarrowtail`	`\looparrowleft`
	`\leftrightharpoons`	`\curvearrowleft`	`\circlearrowleft`	`\Lsh`
	`\upuparrows`	`\upharpoonleft`	`\downharpoonleft`	`\multimap`
	`\leftrightsquigarrow`	`\rightrightarrows`	`\rightleftarrows`	`\rightrightarrows`
	`\rightleftarrows`	`\twoheadrightarrow`	`\rightarrowtail`	`\looparrowright`
$\rightleftharpoons$	`\rightleftharpoons`	`\curvearrowright`	`\circlearrowright`	`\Rsh`
	`\downdownarrows`	`\upharpoonright`	`\downharpoonright`	`\rightsquigarrow`

Table 14: AMS Arrows

`\nleftarrow`	`\nrightarrow`	`\nLeftarrow`	`\nRightarrow`
`\nleftrightarrow`	`\nLeftrightarrow`		

Table 15: AMS Negated Arrows

`\digamma`	`\varkappa`

Table 16: AMS Greek

`\beth`	`\daleth`	`\gimel`

Table 17: AMS Hebrew

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

[u] Not defined in `amssymb.sty`, define using the `\newsymbol` command.

Table 18: AMS Miscellaneous

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

Table 19: AMS Binary Operators

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

Table 20: AMS Binary Relations

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

[u] Not defined in `amssymb.sty`, define using the `\newsymbol` command.

Table 21: AMS Negated Binary Relations

	newlfont/margid	oldlfont/nomargid	Requried style option
ABCdef	\mathrm{ABCdef}	{\mathrm ABCdef}	
$\mathcal{ABC}$	\cal{ABC}	{\cal ABC}	
$\mathscr{ABC}$	\EuScript{ABC}	{\EuScript ABCdef}	euscript
$\mathfrak{ABCdef}$	\frak{ABCdef}	{\frak ABCdef}	amsfonts or amssymb
$\mathbb{ABC}$	\Bbb{ABC}	{\Bbb ABC}	amsfonts or amssymb
$\mathcyr{ABCdef}$	\mathcyr{ABCdef}	{\mathcyr ABCdef}	cyrillic

Table 22: Math Alphabets