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 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	$\lhd^*$	\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
$+$	+	$-$	-				

* Not predefined in LaTeX 2_ε. Use one of the packages latexsym, 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*
$\sqsubset$	\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	$<$	<	$>$	>
$:$	:						

* Not predefined in LaTeX 2_ε. Use one of the packages latexsym, amsfonts or amssymb.

Table 3: Relation Symbols

,	,	;	;	:	\colon	.	\ldotp	·	\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`
$\rightleftharpoons$	`\rightleftharpoons`	$\rightsquigarrow$	`\leadsto`*		

* Not predefined in LaTeX 2_ε. Use one of the packages latexsym, amsfonts or amssymb.

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`	$\square$	`\Box`*
$\imath$	`\imath`	∇	`\nabla`	$\neg$	`\neg`	$\diamond$	`\Diamond`*
$\jmath$	`\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`
$\mho$	`\mho`*	.	.	$\vert$	`|`		

* Not predefined in LaTeX 2_ε. Use one of the packages latexsym, 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	⎰	\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}	$\breve{a}$	\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	↷	\curvearrowright	↻	\circlearrowright	↱	\Rsh
⇊	\downdownarrows	↾	\upharpoonright	⇂	\downharpoonright	⇝	\rightsquigarrow

Table 14: AMS Arrows

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

Table 15: AMS Negated Arrows

ϝ	\digamma	ϰ	\varkappa

Table 16: AMS Greek

ℶ	\beth	ℸ	\daleth	ℷ	\gimel

Table 17: AMS Hebrew

$\hbar$	\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 18: AMS Miscellaneous

$\dotplus$	\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 19: AMS Binary Operators

$\leqq$	\leqq	$\leqslant$	\leqslant	$\eqslantless$	\eqslantless	$\lesssim$	\lesssim
$\lesssim$	\lessapprox	$\approx$	\approx	$\lessdot$	\lessdot	$\lll$	\lll
$\lesseqgtr$	\lessgtr	$\lesseqgtr$	\lesseqgtr	$\lesseqgtr$	\lesseqgtr	$\doteqdot$	\doteqdot
$\risingdotseq$	\risingdotseq	$\fallingdotseq$	\fallingdotseq	$\backsim$	\backsim	$\backsimeq$	\backsimeq
$\subseteq$	\subseteq	$\Subset$	\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
$\gtreqless$	\gtreqless	$\eqcirc$	\eqcirc	$\circeq$	\circeq	$\trianglerighteq$	\trianglerighteq
$\thicksim$	\thicksim	$\thickapprox$	\thickapprox	$\supseteq$	\supseteq	$\Supset$	\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 20: AMS Binary Relations

$\nless$	\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

Table 21: AMS Negated Binary Relations

⦇	\Lbag	⦈	\Rbag	⦇	\lbag	⦈	\rbag
⌈⌈	\llceil	⌉⌉	\rrceil	⌊⌊	\llfloor	⌋⌋	\rrfloor
⟦	\llbracket	⟧	\rrbracket				

Table 22: stmaryrd Delimiters

⟽	\Longmapsfrom	⟾	\Longmapsto	⤇	\Mapsfrom	⤅	\Mapsto
↗	\nnearrow	↖	\nnwarrow	↘	\ssearrow	↙	\sswarrow
↓	\shortdownarrow	↑	\shortuparrow	←	\shortleftarrow	→	\shortrightarrow
⟻	\longmapsfrom	↤	\mapsfrom	◁	\leftarrowtriangle	▷	\rightarrowtriangle
↯	\lightning	⦐	\rrparenthesis	⇔	\leftrightarrowweq	⇔	\leftrightarrowtriangle

Table 23: stmaryrd Arrows

/	\Arrownot	↦	\Mapsfromchar	↦	\Mapstochar
/	\arrownot	↦	\mapsfromchar		

Table 24: stmaryrd Extension Characters

⋎	\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 25: stmaryrd Binary Operators

⨆	\bigbox	⋎	\bigcurlyvee	⋏	\bigcurlywedge
⫼	\biginterleave	⨄	\bignplus	‖	\bigparallel
⨅	\bigsqcap	⨄	\bigtriangledown	⨄	\bigtriangleup

Table 26: stmaryrd Large Binary Operators

∈	\inplus	∋	\niplus	⊆	\subsetplus	⊆	\subsetpluseq
∋	\supsetplus	∋	\supsetpluseq	⊴	\triangleleftqslant	⊵	\triangleright eqslant

Table 27: stmaryrd Binary Relations

⋪	\ntriangleleftqslant	⋫	\ntriangleright eqslant

Table 28: stmaryrd Negated Binary Relations

		Required package
ABCdef	`\mathrm{ABCdef}`	
$ABCdef$	`\mathit{ABCdef}`	
$ABCdef$	`\mathnormal{ABCdef}`	
$\mathcal{ABC}$	`\mathcal{ABC}`	
$\mathcal{ABC}$	`\mathcal{ABC}`	euscript with option: mathcal
	`\mathscr{ABC}`	euscript with option: mathcr
$\mathfrak{ABCdef}$	`\mathfrak{ABCdef}`	eufrak
$\mathbb{ABC}$	`\mathbb{ABC}`	amsfonts or amssymb

Table 29: Math Alphabets