Table 1: Additional AASTEX symbols

$\lesssim$	\lesssim, \la	$\gtrsim$	\gtrsim, \ga
μm	\micron	—	\sbond
=	\dbond	≡	\tbond
⊙	\sun	⊕	\earth
⌀	\diameter		
°	\arcdeg, \degr	□	\sq
′	\arcmin	″	\arcsec
$^{\mathrm{d}}\cdot$	\fd	$^{\mathrm{h}}\cdot$	\fh
$^{\mathrm{m}}\cdot$	\fm	$^{\mathrm{s}}\cdot$	\fs
$^{\circ}\cdot$	\fdg	$'\cdot$	\farcm
$''\cdot$	\farcs	$^{\mathrm{p}}\cdot$	\fp
$\frac{1}{2}$	\onehalf	*UBVR*	\ubvr
$\frac{1}{3}$	\onethird	$U-B$	\ub
$\frac{2}{3}$	\twothirds	$B-V$	\bv
$\frac{1}{4}$	\onequarter	$V-R$	\vr
$\frac{3}{4}$	\threequarters	$U-R$	\ur

Table 2: Text-mode accents

ò	\‘{o}	ō	\={o}	o͡o	\t{oo}
ó	\’{o}	ȯ	\.{o}	o̧	\c{o}
ô	\^{o}	ŏ	\u{o}	ọ	\d{o}
ö	\"{o}	ǒ	\v{o}	o̲	\b{o}
õ	\~{o}	ő	\H{o}		

Table 3: National symbols

œ	\oe	å	\aa	ł	\l
Œ	\OE	Å	\AA	Ł	\L
æ	\ae	ø	\o	ß	\ss
Æ	\AE	Ø	\O		

Table 4: Math-mode accents

$\hat{a}$	\hat{a}	$\dot{a}$	\dot{a}
$\check{a}$	\check{a}	$\ddot{a}$	\ddot{a}
$\tilde{a}$	\tilde{a}	$\breve{a}$	\breve{a}
$\acute{a}$	\acute{a}	$\bar{a}$	\bar{a}
$\grave{a}$	\grave{a}	$\vec{a}$	\vec{a}

Table 5: Greek and Hebrew letters (math mode)

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

Table 6: Binary operators (math mode)

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

Table 7: AMS binary operators (math mode)

$\dot{+}$	\dotplus	$\ltimes$	\ltimes
$\setminus$	\smallsetminus	$\rtimes$	\rtimes
$\Cap$	\Cap, \doublecap	$\leftthreetimes$	\leftthreetimes
$\Cup$	\Cup, \doublecup	$\rightthreetimes$	\rightthreetimes
$\barwedge$	\barwedge	$\curlywedge$	\curlywedge
$\veebar$	\veebar	$\curlyvee$	\curlyvee
$\doublebarwedge$	\doublebarwedge		
$\boxminus$	\boxminus	$\circleddash$	\circleddash
$\boxtimes$	\boxtimes	$\circledast$	\circledast
$\boxdot$	\boxdot	$\circledcirc$	\circledcirc
$\boxplus$	\boxplus	$\centerdot$	\centerdot
$\divideontimes$	\divideontimes	$\intercal$	\intercal

Table 8: Miscellaneous symbols

†	\dag	§	\S
©	\copyright	‡	\ddag
¶	\P	£	\pounds
#	\#	$	\$
%	\%	&	\&
_	_	{	\{
}	\}		

Table 9: Miscellaneous symbols (math mode)

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

Table 10: AMS miscellaneous symbols (math mode)

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

Table 11: Arrows (math mode)

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

Table 12: AMS arrows (math mode)

⇠	\dashleftarrow	⇢	\dashrightarrow
⇇	\leftleftarrows	⇉	\rightrightarrows
⇆	\leftrightarrows	⇄	\rightleftarrows
⇚	\Lleftarrow	⇛	\Rrightarrow
↞	\twoheadleftarrow	↠	\twoheadrightarrow
↢	\leftarrowtail	↣	\rightarrowtail
↫	\looparrowleft	↬	\looparrowright
⇋	\leftrightharpoons	⇌	\rightleftharpoons
↶	\curvearrowleft	↷	\curvearrowright
↺	\circlearrowleft	↻	\circlearrowright
↰	\Lsh	↱	\Rsh
⇈	\upuparrows	⇊	\downdownarrows
↿	\upharpoonleft	↾	\upharpoonright
⇃	\downharpoonleft	⇂	\downharpoonright
⊸	\multimap	⇝	\rightsquigarrow
↭	\leftrightsquigarrow		
↚	\nleftarrow	↛	\nrightarrow
⇍	\nLeftarrow	⇏	\nRightarrow
↮	\nleftrightarrow	⇎	\nLeftrightarrow

Table 13: Relations (math mode)

≤	\leq	≥	\geq
≺	\prec	≻	\succ
≼	\preceq	≽	\succeq
≪	\ll	≫	\gg
⊂	\subset	⊃	\supset
⊆	\subseteq	⊇	\supseteq
⊏	\sqsubset	⊐	\sqsupset
⊑	\sqsubseteq	⊒	\sqsupseteq
∈	\in	∋	\ni
⊢	\vdash	⊣	\dashv
⌣	\smile	∣	\mid
⌢	\frown	∥	\parallel
≠	\neq	⊥	\perp
≡	\equiv	≅	\cong
∼	\sim	⋈	\bowtie
≃	\simeq	∝	\propto
≍	\asymp	⊨	\models
≈	\approx	≐	\doteq
		⋈	\Join

Table 14: AMS binary relations (math mode)

≦	\leqq	≧	\geqq
⩽	\leqslant	⩾	\geqslant
⪕	\eqslantless	⪖	\eqslantgtr
⪋	\lesssim	⪌	\gtrsim
⪅	\lessapprox	⪆	\gtrapprox
≊	\approxeq	≋	\eqsim
⋖	\lessdot	⋗	\gtrdot
⋘	\lll, \llless	⋙	\ggg, \gggtr
≶	\lessgtr	≷	\gtrless
⋚	\lesseqgtr	⋛	\gtreqless
⪋	\lesseqqgtr	⋛	\gtreqqless
≒	\doteqdot, \Doteq	≗	\eqcirc
≓	\risingdotseq	≖	\circeq
≜	\fallingdotseq	≜	\triangleq
∽	\backsim	∼	\thicksim
⋍	\backsimeq	≈	\thickapprox
⫋	\subseteqq	⫌	\supseteqq
⋐	\Subset	⋑	\Supset
⊏	\sqsubset	⊐	\sqsupset
≺	\preccurlyeq	≻	\succcurlyeq
⋞	\curlyeqprec	⋟	\curlyeqsucc
≾	\precsim	≿	\succsim
⪷	\precapprox	⪸	\succapprox
◁	\vartriangleleft	▷	\vartriangleright
⊴	\trianglelefteq	⊵	\trianglerighteq
⊨	\vDash	⊩	\Vdash
⊫	\Vvdash		
∣	\smallsmile	∣	\shortmid
∥	\smallfrown	∥	\shortparallel
≏	\bumpeq	≬	\between
≎	\Bumpeq	⋔	\pitchfork
∝	\varpropto	϶	\backepsilon
◀	\blacktriangleleft	▶	\blacktriangleright
∴	\therefore	∵	\because

Table 15: AMS negated relations (math mode)

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

Table 16: Variable-sized symbols (math mode)

$\sum$	$\sum$	\sum	$\bigcap$	$\bigcap$	\bigcap
$\prod$	$\prod$	\prod	$\bigcup$	$\bigcup$	\bigcup
$\coprod$	$\coprod$	\coprod	$\bigsqcup$	$\bigsqcup$	\bigsqcup
$\int$	$\int$	\int	$\bigvee$	$\bigvee$	\bigvee
$\oint$	$\oint$	\oint	$\bigwedge$	$\bigwedge$	\bigwedge
$\bigodot$	$\bigodot$	\bigodot	$\bigotimes$	$\bigotimes$	\bigotimes
$\bigoplus$	$\bigoplus$	\bigoplus	$\biguplus$	$\biguplus$	\biguplus

Table 17: Delimiters (math mode)

(	(	)	)
[	[	]	]
{	\{	}	\}
$\lfloor$	\lfloor	$\rfloor$	\rfloor
$\lceil$	\lceil	$\rceil$	\rceil
$\langle$	\langle	$\rangle$	\rangle
/	/	\	\backslash
$\vert$	\vert	$\Vert$	\Vert
$\uparrow$	\uparrow	$\Uparrow$	\Uparrow
$\downarrow$	\downarrow	$\Downarrow$	\Downarrow
$\updownarrow$	\updownarrow	$\Updownarrow$	\Updownarrow
$\ulcorner$	\ulcorner	$\urcorner$	\urcorner
$\llcorner$	\llcorner	$\lrcorner$	\lrcorner

Table 18: Function names (math mode)

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