$\textbf{Table 1.} \ \, \textbf{Additional AAST} \underline{\textbf{EX}} \ \, \textbf{symbols}$

\lesssim	$\verb \lesssim , \verb \la $	\gtrsim	$\verb \gtrsim , \verb \ga $
$\mu\mathrm{m}$	\micron	_	\sbond
=	\dbond	=	\tbond
\odot	\sun	\oplus	\earth
\bigcirc	\diameter		
0	\arcdeg, \degr		\sq
′	\arcmin	″	\arcsec
d •	\fd	h •	\fh
m •	\fm	s •	\fs
•	\fdg	.'	\farcm
<i>"</i>	\farcs	P	\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}	oo	\t{oo}
		ó	\'{o}	ò	\.{o}	Q	\c{o}
@	c	ô	\^{o}	ŏ	\u{o}	Ò	\d{o}
		ö	\"{o}	ŏ	\v{o}	Ō	\b{o}
		õ	\~{o}	ő	\H{o}		

Table 3. National symbols

		œ	\oe	å	\aa	ł	\1
@	c	Œ	\0E	Å	\AA	Ł	\L
	C	æ	\ae	ø	\0	ß	\ss
		Æ	\AE	Ø	\0		

Table 4. Math-mode accents

\hat{a}	\hat{a}	\dot{a}	\dot{a}
ă	\check{a}	\ddot{a}	\dot{a}
\tilde{a}	\tilde{a}	$reve{a}$	\breve{a}
\acute{a}	\acute{a}	\bar{a}	\bar{a}
à	\grave{a}	\vec{a}	\sqrt{a}

Table 5. Greek and Hebrew letters (math mode)

α	\alpha	ν	\nu
β	\beta	ξ	\xi
γ	\gamma	0	0
δ	\delta	π	\pi
ϵ	\epsilon	ρ	\rho
ζ	\zeta	σ	\sigma
η	\eta	au	\tau
θ	\theta	v	υ
ι	\iota	ϕ	\phi
κ	\kappa	χ	\chi
λ	\lambda	ψ	\psi
μ	\mu	ω	\omega
F	\digamma	×	\varkappa
ε	$\vert varepsilon$	ς	\varsigma
ϑ	\vartheta	φ	\varphi
ϱ	\varrho		
Γ	\Gamma	Σ	\Sigma
Δ	\Delta	Υ	Υ
Θ	\Theta	Φ	\Phi
Λ	\Lambda	Ψ	\Psi
Ξ	\Xi	Ω	\Omega
Π	\Pi		
X	\aleph	コ	\beth
J	\gimel	٦	\daleth

Table 6. Binary operators (math mode)

 \pm \cap \cap \pm Ŧ \mbox{mp} \bigcup \cup $\strut_{setminus}$ \uplus \cdot \sqcap \times \sqcup \ast \triangleleft \triangleright \star \wr \diamond γ \circ \bigcirc \bigcirc \bigtriangleup \bullet \triangle ÷ \div ∇ \bigtriangledown \l \rhd \triangleright \triangleleft \vee \odot \odot \wedge \dagger \land \oplus ‡ \ddagger \oplus \ominus \coprod \aggreen ⊴ $\under \under \under$ \otimes \otimes \oslash \unrhd

Table 7. AMS binary operators (math mode)

\dotplus \ltimes \smallsetminus \rtimes \Cap, \doublecap \geq \leftthreetimes \Cup, \doublecup \barwedge \curlywedge $\underline{\vee}$ \veebar \curlyvee \doublebarwedge \circleddash \odot \boxtimes \boxtimes * \circledast \odot \boxdot 0 \circledcirc \boxplus \centerdot \divideontimes $\$ intercal

 Table 8. Miscellaneous symbols

†	\dag	8	\S
©	\copyright	‡	\ddag
\P	\ P	£	\pounds
#	\#	\$	\\$
%	\%	&	\&
_	_	{	}{
}	\}		

 ${\bf Table~9.~Miscellaneous~symbols~(math~mode)}$

×	\aleph	/	\prime
\hbar	\hbar	Ø	\emptyset
\imath	\imath	∇	\nabla
J	$\$ jmath	$\sqrt{}$	\surd
ℓ	\ell	Τ	\top
Ø	\wp	\perp	\bot
\Re	\Re		\I
\Im	\Im	_	\angle
∂	\partial	\triangle	\triangle
∞	\infty	\	\backslash
	\Box	\Diamond	\Diamond
\forall	\forall	#	\sharp
3	\exists	*	\clubsuit
\neg	\neg	\Diamond	\diamondsuit
b	\flat	\Diamond	\heartsuit
þ	\natural	•	\spadesuit
Ω	\mho		
	•		

 ${\bf Table~10.~{\rm AMS~miscellaneous~symbols~(math~mode)}}$

\hbar	\hbar	'	\backprime
\hbar	\hslash	Ø	\varnothing
Δ	\vartriangle	A	\blacktriangle
∇	\triangledown	•	\blacktriangledown
	\square		\blacksquare
\Diamond	\lozenge	♦	\blacklozenge
$^{\circ}$	\circledS	*	\bigstar
_	\angle	∢	\sphericalangle
4	\measuredangle		
∄	\nexists	С	\complement
Ω	\mho	\eth	\eth
F	\Finv	/	\diagup
G	\Game	\	\diagdown
k	\Bbbk	1	\restriction

Table 11. Arrows (math mode)

← \leftarrow $\longleftarrow \texttt{\longleftarrow}$ ← \Leftarrow \iff \Longleftarrow $\rightarrow \$ \rightarrow $\longrightarrow \label{longright} \label{longright} egin{align*} \label{longright} \label{longright} \label{longright} \label{longright} \label{longright}$ $\Rightarrow \texttt{\label{Rightarrow}}$ \Longrightarrow \Longrightarrow $\longleftrightarrow \label{longleftrightarrow}$ ⇔ \Leftrightarrow \iff \Longleftrightarrow $\mapsto \mbox{\tt \mbox{\tt mapsto}}$ $\longmapsto \label{longmapsto}$ $\leftarrow \land hookleftarrow$ \hookrightarrow \hookrightarrow → \rightharpoonup \rightarrow \rightharpoondown \rightleftharpoons \rightleftharpoons \leadsto \leadsto ↑ \uparrow ↑ \Updownarrow / \nearrow ↑ \Uparrow ↓ \downarrow √ \searrow √ \swarrow ↓ \Downarrow \$\updownarrow √ \nwarrow

Table 12. AMS arrows (math mode)

←--\dashleftarrow --→ \dashrightarrow \Rightarrow \rightrightarrows \leftrightarrows \leftrightarrows \rightleftarrows \rightleftarrows \Lleftarrow \Rightarrow \Rrightarrow \twoheadleftarrow \rightarrow \twoheadrightarrow \leftarrowtail \leftarrow \looparrowleft \hookrightarrow \looparrowright \leftrightharpoons \rightleftharpoons \rightleftharpoons \circlearrowleft \circlearrowright (1) \bigcirc \Lsh \upuparrows \downdownarrows $\uparrow \uparrow$ $\downarrow \downarrow$ \upharpoonleft \upharpoonright 1 \downharpoonleft \downharpoonright → \multimap → \rightsquigarrow \leftrightsquigarrow ← \nleftarrow → \nrightarrow \nLeftarrow \nRightarrow \nleftrightarrow ⇔ \nLeftrightarrow

Table 13. Relations (math mode)

 \leq \leq \geq \prec \prec \succ \succ \succeq \preceq \preceq \succeq « \11 \gg \gg \subset \subset \supset \supset \supseteq \subseteq \subseteq \supseteq \Box \sqsubset \sqsupset \supseteq \sqsubseteq \sqsubseteq \sqsupseteq \in \ni \in \ni \dashv $\$ vdash \dashv \smile \mbox{mid} \frown \parallel \perp \neq \perp \neq \cong \equiv \cong \equiv \sim \bowtie \simeq \propto |= $\agnumber \agnumber \agn$ \models \approx ÷ \doteq \Join

Table 14. AMS binary relations (math mode)

≦	\leqq	\geq	\geqq
\leq	\leqslant	≽	\geqslant
<	\eqslantless	≽	\eqslantgtr
\lesssim	\lesssim	\gtrsim	\gtrsim
≨	\lessapprox	≳	\gtrapprox
$ \cong $	\approxeq	$\overline{\sim}$	\eqsim
<	\lessdot	⊳	\gtrdot
~	(\111, \11less	>>>	\ggg, \gggtr
≶	\lessgtr	≷	\gtrless
	\lesseqgtr	\geq	\gtreqless
\leq	\lesseqqgtr	\geq	\gtreqqless
÷	\doteqdot, \Doteq	<u> </u>	\eqcirc
≓	\risingdotseq	$\stackrel{\circ}{=}$	\circeq
≒	\fallingdotseq	\triangleq	\triangleq
~	\backsim	~	\thicksim
\leq	\backsimeq	\approx	\thickapprox
\subseteq	\subseteqq	\supseteq	\supseteqq
€	\Subset	∋	\Supset
	\sqsubset	\Box	\sqsupset
\preccurlyeq	\preccurlyeq	≽	\succcurlyeq
\curlyeqprec	\curlyeqprec	$\not\simeq$	\curlyeqsucc
$\stackrel{<}{\sim}$	\precsim	\succeq	\succsim
≾≋	\precapprox	$\lesssim \downarrow \approx$	\succapprox
\triangleleft	\vartriangleleft	\triangleright	\vartriangleright
\leq	\trianglelefteq	\trianglerighteq	\trianglerighteq
⊨	\vDash	\Vdash	\Vdash
\Vdash	\Vvdash		
\smile	\smallsmile	ı	\shortmid
$\overline{}$	\smallfrown	П	\shortparallel
<u></u>	\bumpeq	Ŏ	\between
≎	\Bumpeq	ψ	\pitchfork
\propto	\varpropto	Э	\backepsilon
•	\blacktriangleleft	•	$\verb \blacktriangleright $
<i>:</i> .	\therefore	•:•	\because

Table 15. AMS negated relations (math mode)

\angle	\nless	\Rightarrow	\ngtr
≰	\nleq	≱	\ngeq
≰	\nleqslant	$\not\geq$	\ngeqslant
≰	\nleqq	≱	\ngeqq
≨	\lneq	\geq	\gneq
≨	\lneqq	\geqq	\gneqq
$\stackrel{ ext{ ext{ ext{\left}}}}{=}$	\lvertneqq	\geqq	\gvertneqq
\lesssim	\lnsim	\gtrsim	\gnsim
≨	\lnapprox	⋧	\gnapprox
\angle	\nprec	$\not\succ$	\nsucc
\npreceq	\npreceq	$\not\succeq$	\nsucceq
$\not\equiv$	\precneqq	$\not\sqsubseteq$	\succneqq
$\stackrel{\scriptstyle \sim}{\scriptstyle \sim}$	\precnsim	\searrow	\succnsim
≨	\precnapprox	≿ ≋	\succnapprox
~	\nsim	\ncong	\ncong
ł	\nshortmid	Ħ	\nshortparallel
ł	\nmid	#	\nparallel
¥	\nvdash	¥	\nvDash
\mathbb{F}	\nVdash	$\not\Vdash$	\nVDash
	\ntriangleleft	$\not\!$	\ntriangleright
⊉	\n	⊭	$\verb \ntrianglerighteq $
$\not\subseteq$	\nsubseteq	⊉	\nsupseteq
$\not\sqsubseteq$	\nsubseteqq	$\not\supseteq$	\nsupseteqq
Ç	\subsetneq	\supseteq	\supsetneq
⊊	\varsubsetneq	\supseteq	\varsupsetneq
\subseteq	\subsetneqq	\supsetneqq	\supsetneqq
≨	\varsubsetneqq	\supseteq	\varsupsetneqq

 ${\bf Table\ 16.\ Variable\text{-}sized\ symbols\ (math\ mode)}$

\sum	\sum	\sum	\cap	\bigcap	\bigcap
П	\prod	\prod	U	\bigcup	\bigcup
		\coprod			\bigsqcup
\int	\int	\int	V	\vee	\bigvee
∮	∮	\oint	\wedge	\land	\bigwedge
\odot	\odot	\bigodot	\otimes	\otimes	\bigotimes
\oplus	\bigoplus	\bigoplus	+	+	\biguplus

Table 17. Delimiters (math mode)

(())
[[]]
{	}{	}	\}
L	\lfloor		\rfloor
Γ	\lceil]	\rceil
<	\langle	>	\rangle
/	/	\	\backslash
	\vert		\Vert
\uparrow	\uparrow	\uparrow	\Uparrow
\downarrow	\downarrow	\Downarrow	\Downarrow
\$	\updownarrow	\$	\Updownarrow
Γ	\ulcorner	٦	\urcorner
L	\llcorner	_	\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	\label{limsup}	\sinh
\cosh	\gcd	\ln	\sup
\cot	\hom	\log	\tan
\coth	\inf	\max	\tanh