

1. aimesymb catalog

The names match LaTeX's `amssymb` and `amsfonts` interfaces without the leading backslash. Every card is a real equation, so this document also exercises font routing and math-class layout.

1.1. AMSa operators, arrows, relations, and shapes

<code>boxdot</code>	$\boxdot$	<code>boxplus</code>	$\boxplus$	<code>boxtimes</code>	$\boxtimes$
<code>square</code>	$\square$	<code>blacksquare</code>	$\blacksquare$	<code>centerdot</code>	$\cdot$
<code>lozenge</code>	$\diamond$	<code>blacklozenge</code>	$\blacklozenge$	<code>circlearrowright</code>	$\circlearrowright$
<code>circlearrowleft</code>	$\circlearrowleft$	<code>rightleftharpoons</code>	$\rightleftharpoons$	<code>leftrightharpoons</code>	$\leftrightharpoons$
<code>boxminus</code>	$\boxminus$	<code>Vdash</code>	$\Vdash$	<code>Vvdash</code>	$\Vvdash$
<code>vDash</code>	$\Vdash$	<code>twoheadrightarrow</code>	$\twoheadrightarrow$	<code>twoheadleftarrow</code>	$\twoheadleftarrow$
<code>leftleftarrows</code>	$\leftleftarrows$	<code>rightrightarrow</code>	$\rightarrow$	<code>uparrows</code>	$\Uparrow$
<code>downrightarrow</code>	$\Downarrow$	<code>upharpoonright</code>	$\upharpoonright$	<code>downharpoonright</code>	$\downharpoonright$
<code>upharpoonleft</code>	$\upharpoonleft$	<code>downharpoonleft</code>	$\downharpoonleft$	<code>rightarrowtail</code>	$\rightarrowtail$
<code>leftarrowtail</code>	$\leftarrowtail$	<code>leftrightarrows</code>	$\leftrightarrows$	<code>rightleftarrows</code>	$\rightleftarrows$
<code>Lsh</code>	$\lsh$	<code>Rsh</code>	$\rsh$	<code>rightsquigarrow</code>	$\rightsquigarrow$
<code>leftrightsquigarrow</code>	$\leftrightsquigarrow$	<code>looparrowleft</code>	$\looparrowleft$	<code>looparrowright</code>	$\looparrowright$
<code>circeq</code>	$\circeq$	<code>succsim</code>	$\succsim$	<code>gtrsim</code>	$\gtrsim$
<code>gtrapprox</code>	$\gtrapprox$	<code>multimap</code>	$\multimap$	<code>therefore</code>	$\therefore$
<code>because</code>	$\because$	<code>doteqdot</code>	$\doteqdot$	<code>triangleq</code>	$\triangleq$
<code>precsim</code>	$\prec\sim$	<code>lesssim</code>	$\lesssim$	<code>lessapprox</code>	$\lessapprox$
<code>eqslantless</code>	$\eqslantless$	<code>eqslantgtr</code>	$\eqslantgtr$	<code>curlyeqprec</code>	$\curlyeqprec$
<code>curlyeqsucc</code>	$\curlyeqsucc$	<code>preccurlyeq</code>	$\preccurlyeq$	<code>leqq</code>	$\leqq$
<code>leqslant</code>	$\leqslant$	<code>lessgtr</code>	$\lessgtr$	<code>backprime</code>	$\backprime$
<code>risingdotseq</code>	$\risingdotseq$	<code>fallingdotseq</code>	$\fallingdotseq$	<code>succcurlyeq</code>	$\succcurlyeq$
<code>geqq</code>	$\geqq$	<code>geqslant</code>	$\geqslant$	<code>gtrless</code>	$\gtrless$
<code>sqsubset</code>	$\sqsubset$	<code>sqsupset</code>	$\sqsupset$	<code>vartriangleright</code>	$\vartriangleright$
<code>vartriangleleft</code>	$\vartriangleleft$	<code>trianglerighteq</code>	$\trianglerighteq$	<code>trianglelefteq</code>	$\trianglelefteq$
<code>bigstar</code>	$\bigstar$	<code>between</code>	$\between$	<code>blacktriangledown</code>	$\blacktriangledown$
<code>blacktriangleright</code>	$\blacktriangleright$	<code>blacktriangleleft</code>	$\blacktriangleleft$	<code>vartriangle</code>	$\vartriangle$
<code>blacktriangle</code>	$\blacktriangle$	<code>triangledown</code>	$\triangledown$	<code>eqcirc</code>	$\equiv$
<code>lesseqgtr</code>	$\lesseqgtr$	<code>gtreqless</code>	$\gtreqless$	<code>lesseqqgtr</code>	$\lesseqqgtr$
<code>gtreqqless</code>	$\gtreqqless$	<code>Rightarrow</code>	$\Rightarrow$	<code>Lleftarrow</code>	$\Leftarrow$
<code>veebar</code>	$\veebar$	<code>barwedge</code>	$\barwedge$	<code>doublebarwedge</code>	$\equiv$
<code>angle</code>	$\angle$	<code>measuredangle</code>	$\sphericalangle$	<code>sphericalangle</code>	$\sphericalangle$
<code>varpropto</code>	$\propto$	<code>smallsmile</code>	$\smile$	<code>smallfrown</code>	$\frown$
<code>Subset</code>	$\subseteq$	<code>Supset</code>	$\supseteq$	<code>Cup</code>	$\cup$
<code>Cap</code>	$\cap$	<code>curlywedge</code>	$\curlywedge$	<code>curlyvee</code>	$\curlyvee$
<code>leftthreetimes</code>	$\leftthreetimes$	<code>rightthreetimes</code>	$\rightthreetimes$	<code>subseteqq</code>	$\subseteq$
<code>supseteqq</code>	$\supseteqq$	<code>bumpeq</code>	$\bumpeq$	<code>Bumpeq</code>	$\Bumpeq$
<code>lll</code>	$\lll$	<code>ggg</code>	$\ggg$	<code>circledS</code>	$\textcircled{S}$
<code>pitchfork</code>	$\pitchfork$	<code>dotplus</code>	$\dotplus$	<code>backsimeq</code>	$\backsimeq$
<code>backsimeq</code>	$\backsimeq$	<code>complement</code>	$\complement$	<code>intercal</code>	$\intercal$
<code>circledcirc</code>	$\textcircled{\circ}$	<code>circledast</code>	$\textcircled{*}$	<code>circleddash</code>	$\textcircled{-}$

1.2. AMSb negated relations and variants

<code>lvertneqq</code>	$\nless$	<code>gvertneqq</code>	$\ngtr$	<code>nleq</code>	$\nleq$
<code>ngeq</code>	$\ngeq$	<code>nless</code>	$\nless$	<code>ngtr</code>	$\ngtr$
<code>nprec</code>	$\nprec$	<code>nsucc</code>	$\nsucc$	<code>lneqq</code>	$\leqq$
<code>gneqq</code>	$\geqq$	<code>nleqslant</code>	$\nleqslant$	<code>ngeqslant</code>	$\ngeqslant$
<code>lneq</code>	$\leq$	<code>gneq</code>	$\geq$	<code>npreceq</code>	$\npreceq$

nsucceq	$\napprox$	precnsim	$\backsimeq$	succnsim	$\gtrsim$
lnsim	$\gtrsim$	gnsim	$\gtrsim$	nleqq	$\nlessapprox$
ngeqq	$\nlessapprox$	precneqq	$\nlessapprox$	succneqq	$\nlessapprox$
precnapprox	$\gtrsim$	succnapprox	$\gtrsim$	lnapprox	$\gtrsim$
gnapprox	$\gtrsim$	nsim	$\sim$	ncong	$\ncong$
diagup	$\diagup$	diagdown	$\diagdown$	varsubsetneq	$\subsetneq$
varsupsetneq	$\supsetneq$	nsubsetneqq	$\nsubsetneqq$	nsupseteqq	$\nsubseteqq$
subsetneqq	$\subsetneqq$	supsetneqq	$\supsetneqq$	varsubsetneqq	$\subsetneqq$
varsupsetneqq	$\supsetneqq$	subsetneq	$\subsetneq$	supsetneq	$\supsetneq$
nsubseteq	$\nsubseteq$	nsupseteq	$\nsubseteq$	nparallel	$\nparallel$
nmid	$\nmid$	nshortmid	$\nmid$	nshortparallel	$\nparallel$
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	$\nLeftrightarrow$		

1.3. AMSb miscellaneous symbols

divideontimes	$\div$	varnothing	$\emptyset$	nexists	$\nexists$
Finv	$\mathbb{F}$	Game	$\mathbb{G}$	mho	$\mho$
eth	$\eth$	eqsim	$\approx$	beth	$\beth$
gimel	$\gimel$	daleth	$\daleth$	lessdot	$\lessdot$
gtrdot	$\gtrdot$	ltimes	$\ltimes$	rtimes	$\rtimes$
shortmid	$\mid$	shortparallel	$\parallel$	smallsetminus	$\setminus$
thicksim	$\sim$	thickapprox	$\thickapprox$	approxeq	$\approxeq$
succapprox	$\gtrsim$	precapprox	$\gtrsim$	curvearrowleft	$\curvearrowleft$
curvearrowright	$\curvearrowright$	digamma	$\digamma$	varkappa	$\varkappa$
Bbbk	$\mathbb{k}$	hslash	$\hbar$	hbar	$\hbar$
backepsilon	ϵ				

1.4. amsfonts extras

yen	$\yen$	checkmark	$\checkmark$	circledR	$\textcircled{R}$
maltese	$\mathbb{M}$	ulcorner	$\ulcorner$	urcorner	$\urcorner$
llcorner	$\llcorner$	lrcorner	$\lrcorner$	dashrightarrow	$\dashrightarrow$
dashleftarrow	$\dashleftarrow$	Join	$\Join$	lhd	$\lhd$
unlhd	$\unlhd$	rhd	$\rhd$	unrhd	$\unrhd$

1.5. symbol aliases

restriction	$\restriction$	Doteq	$\doteq$	doublecup	$\mathbb{U}$
doublecap	$\mathbb{M}$	llless	$\lll$	gggtr	$\ggg$
Box	$\Box$	Diamond	$\Diamond$	leadsto	$\leadsto$
dasharrow	$\dashrightarrow$				

1.6. Alphabet and accent aliases

$$\begin{array}{c}
\text{A B C N R Z} \quad \mathfrak{k} \quad \mathfrak{A} \mathfrak{B} \mathfrak{C} \mathfrak{g} \quad \mathfrak{g} \\
\alpha + \beta \quad \widehat{ABC} \quad \widetilde{xyz}
\end{array}$$