CTIC – LaTeX – Paquete `amssymb`

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Símbolos matemáticos de la $\mathcal{AMS}$

Para obtener los símbolos de la AMS debemos agregar en el preámbulo lo siguiente:

```
\usepackage{amssymb}
```

$\mathcal{AMS}$ arrows

⇢	\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

Negated arrows

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

$\mathcal{AMS}$ binary operation symbols

∔	\dotplus	∖	\smallsetminus
⋒	\Cap	⋓	\Cup
⊼	\barwedge	⊻	\veebar
⩞	\doublebarwedge	⊟	\boxminus
⊠	\boxtimes	⊡	\boxdot
⊞	\boxplus	⋇	\divideontimes
⋉	\ltimes	⋊	\rtimes
⋋	\leftthreetimes	⋌	\rightthreetimes
⋏	\curlywedge	⋎	\curlyvee
⊖	\circleddash	⊛	\circledast
⊚	\circledcirc	⋅	\centerdot
⊺	\intercal		

$\mathcal{AMS}$ Greek and Hebrew letters

F	\digamma	ϰ	\varkappa
ב	\beth	ד	\daleth
ג	\gimel		

$\mathcal{AMS}$ delimiters

⌜	\ulcorner	⌝	\urcorner	⌞	\llcorner	⌟	\lrcorner

$\mathcal{AMS}$ relational symbols

≦	\leqq	⩽	\leqslant
⪕	\eqslantless	≲	\lesssim
⪅	\lessapprox	≊	\approxeq
⋖	\lessdot	⋘	\lll
≶	\lessgtr	⪋	\lesseqgtr
⪋	\lesseqqgtr	≒	\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
⪌	\gtreqqless	≗	\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

$\mathcal{A}_{\mathcal{M}}\mathcal{S}$ negated relational symbols

$\not<$	\nless	$\not\leq$	\nleq
$\not\leqslant$	\nleqslant	$\not\leqq$	\nleqq
$\lneq$	\lneq	$\lneqq$	\lneqq
$\lvertneqq$	\lvertneqq	$\lnsim$	\lnsim
$\lnapprox$	\lnapprox	$\not\prec$	\nprec
$\not\preceq$	\npreceq	$\precnsim$	\precnsim
$\precnapprox$	\precnapprox	$\not\sim$	\nsim
$\nshortmid$	\nshortmid	$\nmid$	\nmid
$\nvdash$	\nvdash	$\nvDash$	\nvDash
$\not\triangleleft$	\ntriangleleft	$\not\trianglelefteq$	\ntrianglelefteq
$\not\subseteq$	\nsubseteq	$\subsetneq$	\subsetneq
$\varsubsetneq$	\varsubsetneq	$\subsetneqq$	\subsetneqq
$\varsubsetneqq$	\varsubsetneqq	$\not>$	\ngtr
$\not\geq$	\ngeq	$\not\geqslant$	\ngeqslant
$\not\geqq$	\ngeqq	$\gneq$	\gneq
$\gneqq$	\gneqq	$\gvertneqq$	\gvertneqq
$\gnsim$	\gnsim	$\gnapprox$	\gnapprox
$\not\succ$	\nsucc	$\not\succeq$	\nsucceq
$\not\succeq$	\nsucceq	$\succnsim$	\succnsim
$\succnapprox$	\succnapprox	$\not\cong$	\ncong
$\nshortparallel$	\nshortparallel	$\nparallel$	\nparallel
$\nvDash$	\nvDash	$\nVDash$	\nVDash
$\not\triangleright$	\ntriangleright	$\not\trianglerighteq$	\ntrianglerighteq
$\not\supseteq$	\nsupseteq	$\not\supseteqq$	\nsupseteqq
$\supsetneq$	\supsetneq	$\varsupsetneq$	\varsupsetneq
$\supsetneqq$	\supsetneqq	$\varsupsetneqq$	\varsupsetneqq

Miscellaneous $\mathcal{A}_{\mathcal{M}}\mathcal{S}$ symbols

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