TEX Mathematical Symbols

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The following mathematical symbols are available in `plain` TEX, †`mssymb.tex` (or `amssymb.sty`) and ♯`stmaryrd.sty`. Multiple column output courtesy of Frank Mittelbach's `multicol.sty`.

\aleph	$\aleph$	\bigstar†	$\bigstar$	\checkmark†	$\checkmark$
\alpha	α	\bigtriangledown	$\bigtriangledown$	\chi	χ
\amalg	$\amalg$	\bigtriangledown♯	$\bigtriangledown$	\circ	$\circ$
\angle	$\angle$	\bigtriangleup	$\bigtriangleup$	\circeq†	$\circeq$
\approx	$\approx$	\bigtriangleup♯	$\bigtriangleup$	\circlearrowleft†	$\circlearrowleft$
\approxeq†	$\approxeq$	\biguplus	$\biguplus$	\circlearrowright†	$\circlearrowright$
\arccos	arccos	\bigvee	$\bigvee$	\circledast†	$\circledast$
\arcsin	arcsin	\bigwedge	$\bigwedge$	\circledcirc†	$\circledcirc$
\arctan	arctan	\binampersand♯	$\binampersand$	\circleddash†	$\circleddash$
\arg	arg	\bindnasrepma♯	$\bindnasrepma$	\circledR†	$\circledR$
\Arrownot♯	$\Arrownot$	\blacklozenge†	$\blacklozenge$	\circledS†	$\circledS$
\arrownot♯	$\arrownot$	\blacksquare†	$\blacksquare$	\clubsuit	$\clubsuit$
\ast	$\ast$	\blacktriangle†	$\blacktriangle$	\colon	$\colon$
\asymp	$\asymp$	\blacktriangledown†	$\blacktriangledown$	\complement†	$\complement$
\backepsilon†	$\backepsilon$	\blacktriangleleft†	$\blacktriangleleft$	\cong	$\cong$
\backprime†	$\backprime$	\blacktriangleright†	$\blacktriangleright$	\coprod	$\coprod$
\backsim†	$\backsim$	\bmod	$\bmod$	\copyright	$\copyright$
\backsimeq†	$\backsimeq$	\bot	$\bot$	\cos	$\cos$
\backslash	$\backslash$	\bowtie	$\bowtie$	\cosh	$\cosh$
\baro♯	$\baro$	\boxast♯	$\boxast$	\cot	$\cot$
\barwedge†	$\barwedge$	\boxbar♯	$\boxbar$	\coth	$\coth$
\bbslash♯	$\bbslash$	\boxbox♯	$\boxbox$	\csc	$\csc$
\because†	$\because$	\boxbslash♯	$\boxbslash$	\Cup†	$\Cup$
\beta	β	\boxcircle♯	$\boxcircle$	\cup	$\cup$
\beth†	$\beth$	\boxdot♯	$\boxdot$	\curlyeqprec†	$\curlyeqprec$
\between†	$\between$	\boxdot†	$\boxdot$	\curlyeqsucc†	$\curlyeqsucc$
\bigbox♯	$\bigbox$	\boxempty♯	$\boxempty$	\curlyvee†	$\curlyvee$
\bigcap	$\bigcap$	\boxminus†	$\boxminus$	\curlyveedownarrow♯	$\curlyveedownarrow$
\bigcirc	$\bigcirc$	\boxplus†	$\boxplus$	\curlyveeuparrow♯	$\curlyveeuparrow$
\bigcup	$\bigcup$	\boxslash♯	$\boxslash$	\curlywedge†	$\curlywedge$
\bigcurlyvee♯	$\bigcurlyvee$	\boxtimes†	$\boxtimes$	\curlywedgedownarrow♯	$\curlywedgedownarrow$
\bigcurlywedge♯	$\bigcurlywedge$	\bullet	$\bullet$	\curlywedgeuparrow♯	$\curlywedgeuparrow$
\biginterleave♯	$\biginterleave$	\Bumpeq†	$\Bumpeq$	\curvearrowleft†	$\curvearrowleft$
\bignplus♯	$\bignplus$	\bumpeq†	$\bumpeq$	\curvearrowright†	$\curvearrowright$
\bigodot	$\bigodot$	\Cap†	$\Cap$	\dag	$\dagger$
\bigoplus	$\bigoplus$	\cap	$\cap$	\dagger	$\dagger$
\bigotimes	$\bigotimes$	\cdot	$\cdot$	\daleth†	$\daleth$
\bigparallel♯	$\bigparallel$	\cdotp	$\cdotp$	\dashv	$\dashv$
\bigsqcap♯	$\bigsqcap$	\cdots	$\cdots$	\ddag	$\ddagger$
\bigsqcup	$\bigsqcup$	\centerdot†	$\centerdot$		

\ddagger	‡	\gimel†	ℷ	\leftrightsquigarrow†	↭
\ddots	⋱	\gnapprox†	⪊	\leftslice♯	◅
\deg	deg	\gneq†	⪈	\leftthreetimes†	⋋
\Delta	Δ	\gneqq†	≩	\leq	≤
\delta	δ	\gnsim†	⋧	\leqq†	≦
\det	det	\gtrapprox†	⪆	\leqslant†	⩽
\diamond	⋄	\gtrdot†	⋗	\lessapprox†	⪅
\diamondsuit	♢	\gtreqless†	⋛	\lessdot†	⋖
\digamma†	ϝ	\gtreqqless†	⪌	\lesseqgtr†	⋚
\dim	dim	\gtrless†	≷	\lesseqqgtr†	⪋
\div	÷	\gtrsim†	≳	\lessgtr†	≶
\divideontimes†	⋇	\gvertneqq†	≩	\lesssim†	≲
\Doteq†	≑	\hbar	ℏ	\lfloor	⌊
\doteq	≐	\hbar†	ℏ	\lg	lg
\doteqdot†	≑	\heartsuit	♡	\lhook	↩
\dotplus†	∔	\hom	hom	\lightning♯	↯
\dots	…	\hslash†	ℏ	\lim	lim
\doublebarwedge†	⩞	\iff	⟺	\liminf	lim inf
\doublecap†	⋒	\Im	ℑ	\limsup	lim sup
\doublecup†	⋓	\imath	ı	\ll	≪
\Downarrow	⇓	\in	∈	\llbracket♯	⟦
\downarrow	↓	\inf	inf	\llceil♯	⌈
\downdownarrows†	⇊	\infty	∞	\llcorner†	⌞
\downharpoonleft†	⇃	\inplus♯	⋵	\Lleftarrow†	⇚
\downharpoonright†	⇂	\intercal†	⊺	\llfloor♯	⌊
\ell	ℓ	\interleave♯	⫴	\lll†	⋘
\emptyset	∅	\intop	∫	\llless†	⋘
\epsilon	ϵ	\iota	ι	\llparenthesis♯	⦇
\eqcirc†	≖	\jmath	ȷ	\ln	ln
\eqsim†	≂	\kappa	κ	\lnapprox†	⪉
\eqslantgtr†	⪖	\ker	ker	\lneq†	⪇
\eqslantless†	⪕	\Lambda	Λ	\lneqq†	≨
\equiv	≡	\lambda	λ	\lnsim†	⋦
\eta	η	\langle	⟨	\log	log
\eth†	ð	\Lbag♯	⟅	\Longarrownot♯	⫽
\exists	∃	\lbag♯	⟅	\longarrownot♯	⫻
\exp	exp	\lbrace	{	\Longleftarrow	⟸
\fallingdotseq†	≒	\lceil	⌈	\longleftarrow	⟵
\fatbslash♯	⧹	\ldotp	.	\Longleftrightarrow	⟺
\fatsemi♯	⁏	\ldots	…	\longleftrightarrow	⟷
\fatslash♯	⫻	\Leftarrow	⇐	\Longmapsfrom♯	⟽
\flat	♭	\leftarrow	←	\longmapsfrom♯	⟻
\forall	∀	\leftarrowtail†	↢	\Longmapsto♯	⟾
\frown	⌢	\leftarrowtriangle♯	⇽	\longmapsto	⟼
\Gamma	Γ	\leftharpoondown	↽	\Longrightarrow	⟹
\gamma	γ	\leftharpoonup	↼	\longrightarrow	⟶
\gcd	gcd	\leftleftarrows†	⇇	\looparrowleft†	↫
\geq	≥	\Leftrightarrow	⇔	\looparrowright†	↬
\geqq†	≧	\leftrightarrow	↔	\lozenge†	◊
\geqslant†	⩾	\leftrightarroweq♯	⇿	\lrcorner†	⌟
\gg	≫	\leftrightarrows†	⇆	\Lsh†	↰
\ggg†	⋙	\leftrightarrowtriangle♯	⇼	\ltimes†	⋉
\gggtr†	⋙	\leftrightharpoons†	⇋	\lvertneqq†	≨

\maltese†	✠
\Mapsfrom♯	⇐|
\mapsfrom♯	↤
\Mapsfromchar♯	|
\mapsfromchar♯	|
\Mapsto♯	⇨|
\Mapstochar♯	|
\mapstochar	|
\max	max
\measuredangle†	∡
\merge♯	⩛
\mho†	℧
\mid	∣
\min	min
\minuso♯	⦵
\models	⊨
\moo♯	⫮
\mp	∓
\mu	μ
\multimap†	⊸
\nabla	∇
\napprox	≉
\natural	♮
\ncong†	≇
\nearrow	↗
\neg	¬
\neq	≠
\nexists†	∄
\ngeq†	≱
\ngeqq†	≱
\ngeqslant†	⩾̸
\ngtr†	≯
\ni	∋
\niplus♯	∋
\nLeftarrow†	⇍
\nleftarrow†	↚
\nLeftrightarrow†	⇎
\nleftrightarrow†	↮
\nleq†	≰
\nleqq†	≰
\nleqslant†	⩽̸
\nless†	≮
\nmid†	∤
\nnearrow♯	↗
\nnwarrow♯	↖
\not	/
\notin	∉
\nparallel†	∦
\nplus♯	⊕
\nprec†	⊀
\npreceq†	⪯̸
\nRightarrow†	⇏
\nrightarrow†	↛

\nshortmid†	∤
\nshortparallel†	∦
\nsim†	≁
\nsubseteq†	⊈
\nsubseteqq†	⫅̸
\nsucc†	⊁
\nsucceq†	⪰̸
\nsupseteq†	⊉
\nsupseteqq†	⫆̸
\ntriangleleft†	⋪
\ntrianglelefteq†	⋬
\ntrianglelefteqslant♯	⩏̸
\ntriangleright†	⋫
\ntrianglerighteq†	⋭
\ntrianglerighteqslant♯	⩐̸
\nu	ν
\nVDash†	⊯
\nVdash†	⊮
\nvDash†	⊭
\nvdash†	⊬
\nwarrow	↖
\obar♯	⦶
\oblong♯	□
\obslash♯	⦸
\odot	⊙
\ogreaterthan♯	⧁
\ointop	∮
\olessthan♯	⧀
\Omega	Ω
\omega	ω
\ominus	⊖
\oplus	⊕
\oslash	⊘
\otimes	⊗
\ovee♯	⩒
\owedge♯	⩓
\P	¶
\parallel	∥
\partial	∂
\perp	⊥
\Phi	Φ
\phi	ϕ
\Pi	Π
\pi	π
\pitchfork†	⋔
\pm	±
\Pr	Pr
\prec	≺
\precapprox†	⪷
\preccurlyeq†	≼
\preceq	⪯
\precnapprox†	⪹
\precneqq†	⪵
\precnsim†	⋨

\precsim†	≾
\prime	′
\prod	∏
\propto	∝
\Psi	Ψ
\psi	ψ
\rangle	⟩
\Rbag♯	⟆
\rbag♯	⟆
\rbrace	}
\rceil	⌉
\Re	ℜ
\Relbar	=
\relbar	−
\restriction†	↾
\rfloor	⌋
\rho	ρ
\rhook	↪
\Rightarrow	⇒
\rightarrow	→
\rightarrowtail†	↣
\rightarrowtriangle♯	⇾
\rightharpoondown	⇁
\rightharpoonup	⇀
\rightleftarrows†	⇄
\rightleftharpoons	⇌
\rightleftharpoons†	⇌
\rightrightarrows†	⇉
\rightslice♯	⧐
\rightsquigarrow†	⇝
\rightthreetimes†	⋌
\risingdotseq†	≓
\rmoustache	⎱
\rrbracket♯	⟧
\rrceil♯	⥉
\rrfloor♯	⥋
\Rrightarrow†	⇛
\rrparenthesis♯	⦆
\Rsh†	↱
\rtimes†	⋊
\S	§
\searrow	↘
\sec	sec
\setminus	\
\sharp	♯
\shortdownarrow♯	↓
\shortleftarrow♯	←
\shortmid†	∣
\shortparallel†	∥
\shortrightarrow♯	→
\shortuparrow♯	↑
\Sigma	Σ
\sigma	σ
\sim	∼

\simeq	$\simeq$
\sin	$\sin$
\sinh	$\sinh$
\smallfrown†	$\smallfrown$
\smallint	$\smallint$
\smallsetminus†	$\smallsetminus$
\smallsmile†	$\smallsmile$
\smile	$\smile$
\spadesuit	$\spadesuit$
\sphericalangle†	$\sphericalangle$
\sqcap	$\sqcap$
\sqcup	$\sqcup$
\sqrt	$\sqrt{}$
\sqsubset†	$\sqsubset$
\sqsubseteq	$\sqsubseteq$
\sqsupset†	$\sqsupset$
\sqsupseteq	$\sqsupseteq$
\square†	$\square$
\ssearrow‡	$\ssearrow$
\sslash‡	$\sslash$
\sswarrow‡	$\sswarrow$
\star	$\star$
\Subset†	$\Subset$
\subset	$\subset$
\subseteq	$\subseteq$
\subseteqq†	$\subseteqq$
\subsetneq†	$\subsetneq$
\subsetneqq†	$\subsetneqq$
\subsetplus‡	$\subsetplus$
\subsetpluseq‡	$\subsetpluseq$
\succ	$\succ$
\succapprox†	$\succapprox$
\succcurlyeq†	$\succcurlyeq$
\succeq	$\succeq$
\succnapprox†	$\succnapprox$
\succneqq†	$\succneqq$
\succnsim†	$\succnsim$
\succsim†	$\succsim$
\sum	$\sum$
\sup	$\sup$
\Supset†	$\Supset$
\supset	$\supset$
\supseteq	$\supseteq$
\supseteqq†	$\supseteqq$
\supsetneq†	$\supsetneq$
\supsetneqq†	$\supsetneqq$

\supsetplus‡	$\supsetplus$
\supsetpluseq‡	$\supsetpluseq$
\surd	$\surd$
\swarrow	$\swarrow$
\talloblong‡	$\talloblong$
\tan	$\tan$
\tanh	$\tanh$
\tau	τ
\TeX	TEX
\therefore†	$\therefore$
\Theta	Θ
\theta	θ
\thickapprox†	$\thickapprox$
\thicksim†	$\thicksim$
\times	$\times$
\top	$\top$
\triangle	$\triangle$
\triangledown†	$\triangledown$
\triangleleft	$\triangleleft$
\trianglelefteq†	$\trianglelefteq$
\trianglelefteqslant‡	$\trianglelefteqslant$
\triangleq†	$\triangleq$
\triangleright	$\triangleright$
\trianglerighteq†	$\trianglerighteq$
\trianglerighteqslant‡	$\trianglerighteqslant$
\twoheadleftarrow†	$\twoheadleftarrow$
\twoheadrightarrow†	$\twoheadrightarrow$
\ulcorner†	$\ulcorner$
\Uparrow	$\Uparrow$
\uparrow	$\uparrow$
\Updownarrow	$\Updownarrow$
\updownarrow	$\updownarrow$
\upharpoonleft†	$\upharpoonleft$
\upharpoonright†	$\upharpoonright$
\uplus	$\uplus$
\Upsilon	Υ
\upsilon	υ
\upuparrows†	$\upuparrows$
\urcorner†	$\urcorner$
\varbigcirc‡	$\varbigcirc$
\varcopyright‡	$\varcopyright$
\varcurlyvee‡	$\varcurlyvee$
\varcurlywedge‡	$\varcurlywedge$
\varepsilon	ε
\varkappa†	$\varkappa$
\varnothing†	$\varnothing$
\varoast‡	$\varoast$

\varobar‡	$\varobar$
\varobslash‡	$\varobslash$
\varocircle‡	$\varocircle$
\varodot‡	$\varodot$
\varogreaterthan‡	$\varogreaterthan$
\varolessthan‡	$\varolessthan$
\varominus‡	$\varominus$
\varoplus‡	$\varoplus$
\varoslash‡	$\varoslash$
\varotimes‡	$\varotimes$
\varovee‡	$\varovee$
\varowedge‡	$\varowedge$
\varphi	φ
\varpi	ϖ
\varpropto†	$\varpropto$
\varrho	ϱ
\varsigma	ς
\varsubsetneq†	$\varsubsetneq$
\varsubsetneqq†	$\varsubsetneqq$
\varsupsetneq†	$\varsupsetneq$
\varsupsetneqq†	$\varsupsetneqq$
\vartheta	ϑ
\vartimes‡	$\vartimes$
\vartriangle†	$\vartriangle$
\vartriangleleft†	$\vartriangleleft$
\vartriangleright†	$\vartriangleright$
\Vdash†	$\Vdash$
\vDash†	$\vDash$
\vdash	$\vdash$
\vdots	$\vdots$
\vee	$\vee$
\veebar†	$\veebar$
\Vert	$\Vert$
\vert	$\vert$
\Vvdash†	$\Vvdash$
\wedge	$\wedge$
\wp	$\wp$
\wr	$\wr$
\Xi	Ξ
\xi	ξ
\Ydown‡	$\Ydown$
\yen†	$\yen$
\Yleft‡	$\Yleft$
\Yright‡	$\Yright$
\Yup‡	$\Yup$
\zeta	ζ