

Mathquill commands

command	output	command	output	command	output	command	output
mathrm	a	mathit	<i>a</i>	mathbf	a	mathsf	a
mathtt	a	unit	<u>a</u>	solution	<u>a</u>	extramot	<u>a</u>
underline	<u>a</u>	bar	<u><u>a</u></u>	overline	<u><u>a</u></u>	red	<u><u>a</u></u>
blue	a	green	<i>a</i>	violet	<i>a</i>	orange	<i>a</i>
_	a	subscript	a	$^$	a	supscript	a
superscript	a	fraction	$\frac{a}{b}$	cfrac	$\frac{a}{b}$	dfrac	$\frac{a}{b}$
frac	$\frac{a}{b}$	over	$\frac{a}{b}$	$\sqrt{ }$	\sqrt{a}	sqrt	\sqrt{a}
nthroot	$\sqrt[q]{b}$	lbrace	{ a }	lang	$\langle a \rangle$	rangle	$\langle a \rangle$
rbrace	{ a }	rang	$\langle a \rangle$	rangle	$\langle a \rangle$	lparen	(a)
lbracket	[a]	lbrack	[a]	rparen	(a)	rbracket	[a]
rbrack	[a]	rpipe	a	lpipe	a	abs	a
norm	$\ a \ $	openBoth	[a , b]	closed	[a , b]	openLeft	[a , b]
openRight	[a , b]	openleft	(a , b]	openright	[a , b)	openboth	(a , b)
Integral	$\int_a^b c \, d$	Int	$\int_a^b c \, d$	IntegralSubst	$\frac{b}{c}$	Intsubst	$\frac{b}{c}$
BigSum	$\sum_a^b c$	Sum	$\sum_a^b c$	BigProd	$\prod_a^b c$	Prod	$\prod_a^b c$
textmd	a	textup	a	textrm	a	textnormal	a
text	a	textsl	a	textit	a	emph	a
italics	a	italic	a	em	a	textbf	a
bold	a	strong	a	textsf	a	sf	a
texttt	a	tt	a	textsc	A	uppercase	A
lowercase	a	binomial	$\binom{a}{b}$	binom	$\binom{a}{b}$	choose	$\binom{a}{b}$
cases	{ a b }	case	{ a b }	determ	a	matrix	(a)
vector	a	editable	\boxed{a}	f	f	prime	'
@	undefined	&	&	%	%	omega	ω
psi	ψ	chi	χ	tau	τ	sigma	σ
rho	ρ	xi	ξ	nu	ν	mu	μ
kappa	κ	iota	ι	theta	θ	eta	η
zeta	ζ	delta	δ	gamma	γ	beta	β
alpha	α	phi	ϕ	varphi	φ	phiv	φ
epsilon	ϵ	varepsilon	ε	epsiv	ε	varpi	ϖ
piv	σ	varsigma	ς	sigmav	ς	sigmaf	ς
thetasym	ϑ	vartheta	ϑ	thetav	ϑ	upsi	υ
upsilon	υ	digamma	F	Gammad	F	gammad	F
varkappa	\varkappa	kappav	\varkappa	varrho	ϱ	rhov	ϱ
π	π	pi	π	lambda	λ	Upsih	Υ

command	output	command	output	command	output	command	output
upsih	Υ	Upsi	Υ	Upsilon	Υ	forall	\forall
Omega	Ω	Psi	Ψ	Phi	Φ	Sigma	Σ
Pi	Π	Xi	Ξ	Lambda	Λ	Theta	Θ
Delta	Δ	Gamma	Γ	+	+	-	-
-	-	plusminus	\pm	plusmn	\pm	pm	\pm
\pm	\pm	minusplus	\mp	mplus	\mp	mp	\mp
cdot	\cdot	sdot	\cdot	=	=	lt	<
gt	>	otimes	\otimes	oplus	\oplus	equiv	\equiv
cong	\cong	sim	\sim	notin	\notin	times	\times
divides	\div	divide	\div	div	\div	\div	\div
neq	\neq	ne	\neq	\neq	\neq	lowast	$*$
loast	$*$	star	$*$	ast	$*$	therefore	\therefore
therefor	\therefore	because	\because	cuz	\because	proto	\propto
prop	\propto	approx	\approx	asymp	\approx	\approx	\approx
<	<	>	>	leq	\leq	le	\leq
\leq	\leq	geq	\geq	ge	\geq	\geq	\geq
in	\in	isin	\in	contains	\ni	ni	\ni
doesnotcontain	\notin	notcontains	\notin	niton	\notin	notni	\notin
subset	\subset	sub	\subset	superset	\supset	supset	\supset
sup	\supset	notsubset	$\not\subset$	nsubset	$\not\subset$	notsub	$\not\subset$
nsub	$\not\subset$	notsuperset	$\not\supset$	nsuperset	$\not\supset$	notsupset	$\not\supset$
nsupset	$\not\supset$	notsup	$\not\sup$	nsup	$\not\sup$	subseteq	\subseteq
subete	\subseteq	subeq	\subseteq	sube	\subseteq	superseteq	\supseteq
supsete	\supseteq	supseteq	\supseteq	supsete	\supseteq	supeq	\supseteq
supe	\supseteq	notsubseteq	$\not\supseteq$	notsubete	$\not\supseteq$	nsubseteq	$\not\supseteq$
nsubete	$\not\supseteq$	notsubeq	$\not\supseteq$	notsube	$\not\supseteq$	nsubeq	$\not\supseteq$
nsube	$\not\supseteq$	notsuperseteq	$\not\supseteq$	notsuperset	$\not\supseteq$	nsuperseteq	$\not\supseteq$
nsuperset	$\not\supseteq$	notsupseteq	$\not\supseteq$	notsupsete	$\not\supseteq$	nsupseteq	$\not\supseteq$
nsupsete	$\not\supseteq$	notsupeq	$\not\supseteq$	notsupe	$\not\supseteq$	nsupeq	$\not\supseteq$
nsupe	$\not\supseteq$	summation	\sum	sum	\sum	\sum	\sum
product	\prod	prod	\prod	\prod	\prod	coproduct	\coprod
coprod	\coprod	integral	\int	int	\int	\int	\int
Naturals	\mathbb{N}	naturals	\mathbb{N}	N	\mathbb{N}	Probability	\mathbb{P}
probability	\mathbb{P}	Projective	\mathbb{P}	projective	\mathbb{P}	Primes	\mathbb{P}
primes	\mathbb{P}	P	\mathbb{P}	Integers	\mathbb{Z}	integers	\mathbb{Z}

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Z	\mathbb{Z}	Rationals	\mathbb{Q}	rationals	\mathbb{Q}	Q	\mathbb{Q}
Reals	\mathbb{R}	reals	\mathbb{R}	R	\mathbb{R}	ComplexPlane	\mathbb{C}
Complexplane	\mathbb{C}	complexplane	\mathbb{C}	Complexes	\mathbb{C}	complexes	\mathbb{C}
Complex	\mathbb{C}	complex	\mathbb{C}	C	\mathbb{C}	Quaternions	\mathbb{H}
quaternions	\mathbb{H}	Hamiltonian	\mathbb{H}	H	\mathbb{H}	NN	\mathbb{N}
PP	\mathbb{P}	ZZ	\mathbb{Z}	QQ	\mathbb{Q}	RR	\mathbb{R}
CC	\mathbb{C}	HH	\mathbb{H}	AA	$\mathring{\mathbb{A}}$	BB	\mathbb{B}
DD	\mathbb{D}	EE	\mathbb{E}	FF	\mathbb{F}	GG	\mathbb{G}
II	\mathbb{I}	JJ	\mathbb{J}	KK	\mathbb{K}	LL	\mathbb{L}
MM	\mathbb{M}	OO	\mathbb{O}	SS	\mathbb{S}	TT	\mathbb{T}
UU	\mathbb{U}	VV	\mathbb{V}	XX	\mathbb{W}	YY	\mathbb{X}
emsp		quad		qqquad		,	,
:	:	;	;	diamond	\diamond	bigtriangleup	Δ
ominus	\ominus	uplus	\uplus	bigtriangledown	∇	sqcap	\sqcap
triangleleft	\triangleleft	sqcup	\sqcup	triangleright	\triangleright	odot	\odot
bigcirc	\bigcirc	dagger	\dagger	ddagger	\ddagger	wr	\wr
amalg	\sqcup	models	\sqsubseteq	prec	\prec	succ	\succ
preceq	\preccurlyeq	succeq	\succcurlyeq	simeq	\simeq	mid	$ $
ll	\ll	gg	\gg	parallel	\parallel	nparallel	\nparallel
bowtie	\bowtie	sqsubset	\sqsubset	sqsupset	\sqsupset	smile	\smile
sqsubseteq	\sqsubseteq	sqsupseteq	\sqsupseteq	doteq	\doteq	frown	\frown
vdash	\vdash	dashv	\dashv	Vdash	\Vdash	nmid	\nmid
square	\square	longleftarrow	\longleftarrow	longrightarrow	\longrightarrow	Longleftarrow	\Longleftarrow
Longrightarrow	\Rightarrow	longleftrightarrow	\longleftrightarrow	updownarrow	\updownarrow	Longleftrightarrow	\Longleftrightarrow
Updownarrow	\Updownarrow	mapsto	\mapsto	nearrow	\nearrow	hookleftarrow	\curvearrowleft
hookrightarrow	\curvearrowright	searrow	\searrow	leftharpoonup	\leftharpoonup	ightharpoonup	\rightharpoonup
swarrow	\curvearrowleft	leftharpoondown	\leftharpoondown	rightharpoondown	\rightharpoondown	nwarrow	\nwarrow
ldots	\dots	cdots	\cdots	vdots	\vdots	ddots	\ddots
surd	$\sqrt{}$	triangle	\triangle	ell	ℓ	top	\top
flat	\flat	natural	\natural	sharp	\sharp	wp	\wp
bot	\perp	clubsuit	\clubsuit	diamondsuit	\diamondsuit	heartsuit	\heartsuit
spadesuit	\spadesuit	oint	\oint	bigcap	\cap	bigcup	\cup
bigsqcup	\sqcup	bigvee	\vee	bigwedge	\wedge	bigodot	\odot
bigotimes	\otimes	bigoplus	\oplus	biguplus	\uplus	lfloor	\lfloor
rfloor	\rfloor	lceil	\lceil	rceil	\rceil	slash	$/$

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opencurlybrace	{	closecurlybrace	}	caret	^	underscore	_
backslash	\	vert		perpendicular	⊥	perp	⊥
del	∇	nabla	∇	hbar	ℏ	angstrom	Å
Angstrom	Å	circle	◦	circ	◦	ring	◦
bullet	•	bull	•	smallsetminus	＼	setminus	＼
neg	¬	¬	¬	not	¬	hellipis	...
ellipsis	...	hellip	...	ellip	...	dots	...
...	...	downarrow	↓	dnarrow	↓	dnarr	↓
darr	↓	converges	↓	Downarrow	↓↓	dnArrow	↓↓
dnArr	↓↓	dArr	↓↓	uparrow	↑	uarr	↑
diverges	↑	Uparrow	↑↑	uArr	↑↑	to	→
rightarrow	→	rarr	→	implies	⇒	Rightarrow	⇒
rArr	⇒	gets	←	leftarrow	←	larr	←
impliedby	⇐	Leftarrow	⇐	lArr	⇐	leftrightarrow	↔
lrarr	↔	harr	↔	iff	⇒⇒	Leftrightarrow	↔
lrArr	↔	hArr	↔	real	ℜ	Real	ℜ
Re	ℜ	Imaginary	ℙ	imaginary	ℙ	imagin	ℙ
image	ℙ	imag	ℙ	Im	ℙ	partial	∂
part	∂	infinity	∞	infty	∞	infin	∞
inf	∞	alephsym	ℵ	aleph	ℵ	alefsym	ℵ
alef	ℵ	exists	Ǝ	exist	Ǝ	xists	Ǝ
xist	Ǝ	wedge	∧	land	∧	and	∧
vee	∨	lor	∨	or	∨	varnothing	∅
nothing	∅	Oslash	∅	oslash	∅	emptyset	∅
empty	∅	O	∅	o	∅	union	∪
cup	∪	intersection	∩	intersect	∩	cap	∩
degree	°	deg	°	angle	∠	ang	∠
lim	lim	hcf	hcf	gcf	gcf	gcd	gcd
lcm	lcm	mod	mod	max	max	min	min
dim	dim	det	det	proj	proj	span	span
log	log	lg	lg	ln	ln	arcsinh	arcsinh
asinh	asinh	arcsin	arcsin	asin	asin	sinh	sinh
sin	sin	arccosh	arccosh	acosh	acosh	arccos	arccos
acos	acos	cosh	cosh	cos	cos	arctanh	arctanh
atanh	atanh	arctan	arctan	atan	atan	tanh	tanh

command output command output command output command output

tan	tan	arcsech	arcsech	asech	asech	arcsec	arcsec
asec	asec	sech	sech	sec	sec	arccosech	arccosech
acosech	acosech	arccosec	arccosec	acosec	acosec	cosech	cosech
cosec	cosec	arccsch	arccsch	acsch	acsch	arccsc	arccsc
acsc	acsc	csch	csch	csc	csc	arccotanh	arccotanh
acotanh	acotanh	arccotan	arccotan	acotan	acotan	cotanh	cotanh
cotan	cotan	arccoth	arccoth	acoth	acoth	arccot	arccot
acot	acot	coth	coth	cot	cot		