

Keystroke Commands

Action	Example	Keystroke
Mathcad Help		[F1]
Context sensitive Help		[Shift] [F1]
Calculate worksheet		[Ctrl] [F9]
Calculate region		[F9]
Redefinition warnings (toggle on and off)		[Ctrl] [Shift] R
Insert text region		["]
Insert math within text region		[Ctrl] [Shift] A
Addition with line break operator (within a math region)	... + ...	[Ctrl] [Enter]
Character inside brackets as in chemistry notation	[]	[Ctrl] [Shift] J
Complex conjugate	\bar{x}	["]
Enter special characters into math region		[Ctrl] [Shift] K
Literal subscript	x_1	[.]
Namespace operator		[Ctrl] [Shift] N

Calculator Toolbar

Operator	Example	Keystroke
Absolute value	x	[]
Definition	x:= 5	[:]
Evaluate numerically	x = 5	[=]
Division	x/y	[/]
Multiplication	3 · 4	[*]
Inline division	÷	[Ctrl] [/]
Exponentiation	x^2	[^]
Imaginary unit	i	li
Parentheses	(3 + 4)	[']
Mixed number	$2\frac{1}{2}$	[Ctrl] [Shift] [=]
square root	\sqrt{x}	[√]
nth root	$\sqrt[n]{x}$	[Ctrl] [√]
pi	π	[Ctrl] [Shift] P



Calculus Toolbar

Operator	Example	Keystroke
derivative	$\frac{d}{dt} f(t)$	[?]
nth derivative	$\frac{d^n}{dt^n} f(t)$	[Ctrl] [?]
Indefinite integral	$\int f(x, y) dA$	[Ctrl] I
Definite integral	$\int_a^b f(x) dx$	[&]
Infinity	∞	[Ctrl] [Shift] Z
Iterated product	$\prod_{i=1}^n x$	[Ctrl] [#]
Iterated product with range variables	$\prod_i x$	[#]
Left-hand limit	$\lim_{x \rightarrow 0^-} f(x)$	[Ctrl] [Shift] B
Two-sided limit	$\lim_{x \rightarrow 0} \frac{\sin(x)}{x}$	[Ctrl] L

Right-hand limit	$\lim_{x \rightarrow 0^+} f(x)$	[Ctrl] [Shift] A
Summation	$\sum_{i=1}^n x$	[Ctrl] [\$]
Summation with range variables	$\sum_i x$	[\$]
Gradient	$\nabla_x g(x)$	[Ctrl] [Shift] G

Symbolic Toolbar

Operator	Example	Keystroke
Evaluate symbolically	$z \rightarrow 5$	[Ctrl] [.]
Symbolic evaluation with keywords	$x^2 = 4$ solve, $x \rightarrow$	[Ctrl] [>]



Evaluation Toolbar

Operator	Example	Keystroke
Custom infix operator	$x f y$	
Custom postfix	$x f$	[Ctrl] [Shift] X
Custom prefix	$f x$	
Custom treefix operator	$f \wedge x y$	
Definition	$x := 5$	[:]
Evaluation	$x = 5$	[=]
Global definition	$x \equiv 5$	[~]
Evaluate symbolically	$z \rightarrow 5$	[Ctrl] [.]

Matrix Toolbar

Operator	Example	Keystroke
Insert matrix	$M := \begin{pmatrix} 1 & 2 \\ 3 & 4 \end{pmatrix}$	[Ctrl] M
Column	$M^{<1>}$	[Ctrl] 6
Determinant	$ x $	[]
Vectorize	$\rightarrow \sin(M)$	[Ctrl] [-]
Transpose	M^T	[Ctrl] 1
Range variable	$1..10$	[:]
Cross product	$u \times v$	[Ctrl] 8
Inner (dot) product	$u \cdot v$	[*]
Vector sum	$\sum (1 \ 2 \ 3)$	[Ctrl] 4
Insert picture		[Ctrl] T



Greek Toolbar

Enter Roman, then type [Ctrl] G for Greek.

Greek	UC	LC	Roman
Alpha	A	α	A/a
Beta	B	β	B/b
Chi	X	χ	C/c
Delta	Δ	δ	D/d
Epsilon	E	ε	E/e
Eta	H	η	H/h
Gamma	Γ	γ	G/g
Iota	I	ι	I/i
Kappa	K	κ	K/k
Lambda	Λ	λ	L/l
Mu	M	μ	M/m
Nu	N	ν	N/n
Omega	Ω	ω	W/w
Omicron	O	ο	O/o
Phi	Φ	φ	F/f
Phi(alt.)	φ		f
Pi	Π	π	P/p
Psi	Ψ	ψ	Y/y

Rho	P	ρ	R/r
Sigma	Σ	σ	S/s
Tau	T	τ	T/t
Theta	Θ	θ	Q/q
Theta (alt.)	θ		J
Upsilon	Υ	υ	U/u
Xi	Ξ	ξ	X/x

Programming Toolbar

Operator	Example	Keystroke
Add line	$z \leftarrow 5$]]
break	break	[Ctrl] [{}]
continue	continue	[Ctrl] []
for	for i ∈ 1..10 $V_i \leftarrow i$	[Ctrl] ["]
if	a ← 6 if z > 3	[]]
local assignment	$z \leftarrow 5$	[{}]
on error	on error	[Ctrl] [']
otherwise	$z \leftarrow 5$ otherwise	[Ctrl] [{}]
return	return	[Ctrl] [!]
while	while	[Ctrl] []

Mathcad Keyboard Shortcuts

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Context sensitive Help		[Shift] [F1]
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Complex conjugate	\bar{x}	["]
Enter special characters into math region		[Ctrl] [Shift] K
Literal subscript	x_1	[.]
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Calculator Toolbar

Operator	Example	Keystroke
Absolute value	x	[]
Definition	$x := 5$	[:]
Evaluate numerically	$x = 5$	[=]
Division	x/y	[/]]
Multiplication	$3 \cdot 4$	[*]
Inline division	\div	[Ctrl] [/]]

Exponentiation	x^2	[^]
Imaginary unit	i	li
Parentheses	(3 + 4)	[]
Mixed number	$2\frac{1}{2}$	[Ctrl] [Shift] [=]
square root	\sqrt{x}	[N]
nth root	$\sqrt[n]{x}$	[Ctrl] [N]
pi	π	[Ctrl] [Shift] P

Boolean Toolbar

Operator	Example	Keystroke
Boolean AND	\wedge	[Ctrl] [&]
Boolean NOT	\neg	[Ctrl] [!]
Boolean OR	\vee	[Ctrl] [^]
Boolean XOR	\oplus	[Ctrl] [%]
Boolean Equals	=	[Ctrl] [=]
Greater than or equal	\geq	[Ctrl] 0
Less than or equal	\leq	[Ctrl] 9
Not equal	\neq	[Ctrl] 3

Calculus Toolbar

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Evaluation Toolbar

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Custom postfix	x f	[Ctrl] [Shift] X
Custom prefix	f x	
Custom treefix operator	f Λ x y	
Definition	x := 5	[:]
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Global definition	x ≡ 5	[~]
Evaluate symbolically	z → 5	[Ctrl] [.]

Greek Toolbar

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Eta	H	η	H/h
Gamma	Γ	γ	G/g
Iota	I	ι	I/i
Kappa	K	κ	K/k
Lambda	Λ	λ	L/l
Mu	M	μ	M/m
Nu	N	ν	N/n
Omega	Ω	ω	W/w
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Vector sum	$\sum(1 \ 2 \ 3)$	[Ctrl] 4
Insert picture		[Ctrl] T

Programming Toolbar

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Add line	$\left \begin{array}{l} z \leftarrow 5 \\ \cdot \end{array} \right.$]
break	break	[Ctrl] [{}]
continue	continue	[Ctrl] [
for	for $i \in 1..10$ $V_i \leftarrow i$	[Ctrl] ["]
if	$a \leftarrow 6$ if $z > 3$	[}]
local assignment	$z \leftarrow 5$	[{]
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while	while	[Ctrl]]

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