

PTC®

Mathcad® Prime™ 2.0
Keyboard Shortcuts
December 2011

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Regions

Operator/Command	Description	Keyboard Shortcut
Excel Component	Adds an excel component.	Ctrl+Shift+E
Image	Inserts an image	Ctrl+4
Insert string	Inserts a string	"
	Moves the cursor to the beginning of the expression	Home
	Moves the cursor to the end of the expression	End
	Moves the cursor to the left of the selected expression or to the beginning of the selected word	Ctrl+Left Arrow
	Moves the cursor to the right of the selected expression or to the end of the selected word	Ctrl+Right Arrow
	Moves the cursor to the next placeholder	Right Arrow
	Moves the cursor to the previous placeholder	Left Arrow
Math	Inserts a math region	Ctrl+Shift+M
Solve Block	Adds a solve block	Ctrl+1
	Separate regions horizontally	Ctrl+F8
	Separate regions vertically	Ctrl+F3
Text Block	Adds a text block	Ctrl+Shift+T
Text Box	Adds a text box	Ctrl+T

Plots

Operator/Command	Description	Keyboard Shortcut
Add Trace	Adds a trace to a plot	Shift+Enter
Insert 3D Plot	Inserts a 3D Plot	Ctrl+3
Insert Contour Plot	Inserts a Contour Plot	Ctrl+5
Insert Polar Plot	Inserts a Polar Plot	Ctrl+7
Insert XY Plot	Inserts an XY Plot	Ctrl+2

Operators

Algebra Operators

Operator/Command	Description	Keyboard Shortcut
$ x $	Absolute Value	
$x + y$	Addition	+
$ x $	Determinant	
$\frac{x}{y}$	Division	/
y^x	Exponentiation	^
$n!$	Factorial	!
$x \div y$	In-line Division	Ctrl+/ /
(x)	Matched pair of parentheses	(
$x \cdot y$	Multiplication and Dot Product	*
$x - y$	Negation and Subtraction	-

Operator/Command	Description	Keyboard Shortcut
,	Separate arguments of a function	, Comma
$\sqrt[n]{x}$	Square Root and Nth Root	\
$x\%$	Percent	%

Calculus Operators

Operator/Command	Description	Keyboard Shortcut
$A \circledast B$	Circular Convolution	Ctrl+Shift+V
$\frac{d^2}{dt^2} f(t)$	Derivative	Ctrl+Shift+D
$\int_a^b f(x) dx$	Integral	Ctrl+Shift+I
$A * B$	Linear Convolution	Ctrl+Shift+L
$g := f'$	Prime	Ctrl+' (Apostrophe)
$\prod_{j=m}^n X$	Product	Ctrl+Shift+#
$\sum_{j=m}^n X$	Summation	Ctrl+Shift+\$

Comparison Operators

Operator/Command	Description	Keyboard Shortcut
$x = y$	Equal To	Ctrl+=
$x > y$	Greater Than	>

Operator/Command	Description	Keyboard Shortcut
$x \geq y$	Greater Than or Equal To	>= Ctrl+0
$x \neq y$	Inequality	< >
$x \in y$	Is Element Of	Ctrl+F7
$x < y$	Less Than	<
$x \leq y$	Less Than or Equal To	<= Ctrl+9
$x \oplus y$	Logical Exclusive OR	Ctrl+Shift+%
$x \wedge y$	Logical AND	Ctrl+Shift+&
$\neg x$	Logical NOT	Ctrl+Shift+!
$x \vee y$	Logical OR	Ctrl+Shift+@



Definition and Evaluation Operators

Operator/Command	Description	Keyboard Shortcut
$x := a$	Definition	: Colon
$x = 1$	Evaluation	=

Engineering Operators

Operator/Command	Description	Keyboard Shortcut
\bar{x}	Complex Conjugate	Ctrl+_
x°	Degree	° Hold down Alt and press 0176
$x \cdot y$	Scaling	Ctrl+Shift+U
$x \angle y$	Polar	Ctrl+Shift+P

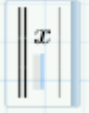

Symbolics

Operator/Command	Description	Keyboard Shortcut
	Symbolic Evaluation	Ctrl+. (period)
	Limit	Ctrl+L

Vector and Matrix Operators

Operator/Command	Description	Keyboard Shortcut
$u \times v$	Cross Product	Ctrl+8
$x = 1$	Local Definition	=
$[]$	Matrix	[Ctrl+M
$M^{(j)}$	Matrix Column	Ctrl+Shift+C
$M_{i,j}$	Matrix Index	[
M^{-1}	Matrix Inverse	^-1
$M^{\widehat{i}}$	Matrix Row	Ctrl+Shift+R
M^T	Matrix Transpose	Ctrl+Shift+T
$\ M\ $	Norm	Ctrl+Shift+
$x .. z$	Range	.. Two periods
$x, y .. z$	Step Range	, Comma
\vec{M}	Vectorize	Ctrl+^

Programming Operators

Operator/Command	Description	Keyboard Shortcut
	Adds a new line to the program	Enter
also if x y	Also If	Ctrl+Shift+?
break	Break	Ctrl+Shift+{
continue	Continue	Ctrl+Shift+:
else y	Else	Ctrl+Shift+}
else if x y	Else If	Ctrl+;
for $x \in y$ z	For Loop	Ctrl+Shift+"
if x y	If	}
$x \leftarrow y$	Local Assignment	{
return x	Return	Ctrl+\
	Program]
try x on error y	Try/On Error	Ctrl+[
while x y	While Loop	Ctrl+]]
	Changes typed word to operator	Ctrl+J

Greek Letters

Operator/Command	Description	Keyboard Shortcut
Greek letter	Adds a Greek letter	corresponding Latin letter, Ctrl+G

Constants

Operator/Command	Description	Keyboard Shortcut
γ	Euler's constant/number	g, Ctrl+G
∞	Infinity	Ctrl+Shift+Z
π	Pi	p, Ctrl+G

Matrices and Tables

Operator/Command	Description	Keyboard Shortcut
Insert Column Left/Right	Inserts a column	Shift+Space
Insert Row Above/Below	Inserts a row	Shift+Enter
Insert table	Inserts a table	Ctrl+6

Worksheet Calculation and Management

Operator/Command	Description	Keyboard Shortcut
Calculate Worksheet	Recalculates the worksheet	Ctrl+F5
Include Worksheet	Inserts variable and function definition from another worksheet	Ctrl+Shift+W

Formatting

Operator/Command	Description	Keystroke
<i>i</i> or <i>j</i>	Indicates imaginary units	li or lj
Subscripts	Toggles the baseline of a text	Ctrl+-
Toggle Labels	Toggles the label type	Ctrl+Q

General

Operator/Command	Description	Keystroke
Close worksheet		Ctrl+W
Functions, open dialog box	Opens the Functions dialog box	F2
Insert a collapsible area	Inserts an area you can collapse or expand to toggle the display of your work	Ctrl+Shift+A
Insert Page Break		Ctrl+Enter
Select a region		Ctrl+Enter (the cursor is in an active region)
Open Help Center		F1
Delete selected regions		Ctrl+D