Mathcad

User's Guide Mathcad 7 Professional Mathcad 7 Standard

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MathSoft
$$\Sigma + \sqrt{-} = \times \int \div \delta$$

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str2vec functionsupsmooth functionstring expressionssurface plots		
string expressions surface plots		
• .		
	See strings	Autoscale

back planes	technical support
borders	temperature
boxes	templates
changing the shading	calculation mode
changing view	creating new
controlling how bumpy	for math
converting	modifying
creating	used to save calculation mode
discontinuous	using to create a worksheet
formatting	text
formatting axes	alignment
grid intervals	changing font
grid lines	color
mesh on the surface	cut and paste in
of function of two variables	deleting
parametric	editing
•	
patch plots	entering
perspective	exporting to other programs
resizing	Greek letters in
setting axis limits	importing from other programs
tick marks	inserting equations in
titles	moving
vertical scale	moving insertion point in
svd function	regions
svds function	selecting
symbolic	selecting a word
equal sign	spell-checking
evaluation	styles
evaluation of programs	text box
evaluation returns long answers	text regions
keywords	changing width
transforms	creating
Symbolic Keywords palette	editing
Symbolics menu commands	hard line breaks
System of Units dialog box	how to exit
system of units, choosing	text styles
system or annis, encosing	applying
	creating
	modifying
	tick marks
	3D bar charts
T	
	3D scatter plots
	contour plots
tables	graphs
input	polar plots
output	surface plots
show only 50 elements	vector field plots
tangent (tan) function	tilde (~), used in global definitions
tanh function	time in headers and footers
Taylor series	time, inserting on a page
TCP/IP	Tip of the Day

Title page	tutorial
3D bar chart	two-point boundary value problems
3D scatter plots	typing over text
contour plots	
surface plots	
vector field plots	
titles	
3D bar charts	
3D scatter plots	U
contour plots	
graphs	U.S. Customary units
polar plots	undefined variables
surface plots	uniform distribution
vector field plots	Uniform Resource Locator
TOL variable	See URL
used in symbolic calculations	
used with integrals	unit impulse function
used with integrals used with root function	unit step function
used with roof function used with solve blocks	units
	alphabetical list
tolerance	alternative definitions
See TOL variable	base units
too few constraints (error)	CGS system
toolbar	changing dimension names
Electronic Book	common sources of error
Web	converting calculated results
top margin	default
top-to-bottom evaluation	defining
trace (tr) function	dimensional consistency
traces	dimensional values
graphs	errors in dimensions
polar plots	in calculated values
Traces page	in equations
polar plots	in tables
X-Y plots	metric
trailing zeros	MKS system
transcendental functions	placeholder
transforms	prefixes
Fourier (numerical)	SI
Fourier (symbolic)	U.S. customary
Laplace	Unlock Area command
symbolic	until function
wavelet	update
Z	file access functions
Transpose command	results in window
transpose of matrix	window manually
trig keyword modifier	worksheet
trigonometric functions	worksheet window
with degrees and radians	URL
truncation	
See floor function	Collaboratory
truncation functions	for worksheet
u uneation functions	MathSoft home page

Use Default Palette command	properties of
user functions	when to use
array arguments	vectors
defined in terms of <i>root</i>	as arguments to user functions
defined in terms of solve blocks	as array elements
errors in	calculations by element
evaluating variables in	column vectors
valid names	combining
	combining with augment function
	combining with stack function
	computing with
	cross product
V	defining
V	defining several variables at once
	displayed as scrolling output tables
Var function	dot product
var function	functions for
variables	graphing
complex	limit on size
defining	magnitude
defining several at once	norm
global definitions of	numbering elements
in red	operators for
matrices	ORIGIN used with
names	row
predefined	solve blocks applied to
range variables	sorting elements
string	start with element zero
substituting for	subscripts
vectors	sum elements of
variance function	sum of elements operator
VBScript	undefined elements filled with zeros
vec2str function	vector arithmetic
vector field plots	vectorize operator
creating	when to use subscripts
formatting	vertical scale
formatting axes	3D bar charts
from complex matrices	surface plots
from real matrices	video clips
grid intervals	View page
grid lines	3D bar charts
perspective	3D scatter plots
resizing	contour plots
tick marks	surface plots
titles	Visual Basic Scripting Edition
vector product	
vector subscript	
vector sum operator	
vectorize operator	
effect of	
how to type	

W	wrapping equations
**	WRITE function
	WRITEBMP function
W function	WRITEPRN function
wait message	compared to WRITE
wave function	WRITERGB function
wavelet transforms	WWW
Web	See World Wide Web
See World Wide Web	
Web library	
Web toolbar	
Weibull distribution	
while loops	X
windows	7.
generally	
multiple	X-Y Plot default dialog box
scrolling	X-Y Plot dialog box
update results automatically	Axes page
update results manually	Defaults page
zooming in and out of	Labels page
Wizards	Traces page
for inserting a component	X-Y plots
worksheets	data
definition of	parametric
exporting as RTF	QuickPlot
formatting	stem
hyperlinking	X-Y Trace dialog box
in pop-up window	X-Y Zoom dialog box
including by reference	
mailing	
opening	
opening from Internet	
order of evaluation	V
posting on the Collaboratory	,
printing	
referencing in another worksheet	Y0, Y1, and Yn Bessel functions
removing from the Collaboratory	y-intercept
retrieving from the Collaboratory	•
saving	
saving as Mathcad 6 format	
sending by e-mail	
World Wide Web	7
accessing	Z
bookmarks for browsing	
browsing	zero tolerance
Collaboratory	in components
HTML browsing	zeros of expressions or functions
library	See roots
MathSoft home page	Zeta function
MathSoft store	Zoom command
	Zoom comiliand

toolbar

zooming graphs polar plots windows ztrans keyword z-transforms