






















INDEX OF *DERIVE* COMMANDS AND OPTIONS

by page of first use

' (first derivative).....	21	Factor (factor algebraic expression).....	12
'' (second derivative)	21	File (save, open, etc.)	39
- (subtraction).....	7	floor (greatest integer function)	48
* (multiplication)	7	fourier (Fourier series)	48
. (dot product).....	53	grad (gradient function)	61
/ (division).....	7	Help.....	48
^ (exponentiation)	7	Index	48
+ (addition)	7	inf (∞).....	18
:= (assignment operator)	8	insert expression.....	37
[] (vector notation)	49	int (integration)	29
abs (absolute value function)	16	iterates	25
acos (inverse cosine function).....	53	lim (limit of function)	15
approximate (decimal)	19	ln (natural logarithm function).....	14
atan (inverse tangent function).....	46	Load→Utility File.....	39
Author (input command).....	7	Load→Math File.....	39
Author→Expression	7	log (general logarithm function)	14
cos (cosine function).....	13	@n (as a parameter)	54
coordinate system.....	51	newtons (Newton's method).....	56
cross (cross product)	53	phi (ϕ).....	66
curl (find $\nabla \times \mathbf{F}$)	70	pi (constant π)	13
deg (degree measure)	14	Plot Range (set plot ranges)	9
dif (differential operator)	61	points (plotting points).....	39
direction_field.....	39	polar (coordinate system).....	51
div (find $\nabla \cdot \mathbf{F}$).....	70	random (generate random numbers)	35
#e (constant e).....	14	rho (ρ)	66
euler (Euler's method).....	40	sign (sign function)	47
exp (natural exponential function).....	14	Simplification settings	41
Expand (expand algebraic expression) 12			

sin (sine function)	13
solve (solve equations).....	11
sqrt (square root function).....	7
sub (element of vector/matrix).....	68
Substitute for (variable substitutions)	8
sum (compute sums)	30
theta (θ)	51
tan (tangent function).....	13
Trace Plots (traces plot)	56
Trig Powers	41
vector.....	35

 (Author Expression).....	7
 (Simplify Exact).....	7
 (Approximate).....	7
 (Solve).....	11
 (Substitute for)	8
 (Limit)	15
 (Derivative).....	21
 (Integral)	29
 (Summation)	30
 (2D-Plot window)	9
 (3D-Plot window)	58
 (delete last graph)	9
 (center on cross).....	10
 (zoom out horizontally)	18
 (zoom in all directions).....	10
 (zoom in horizontally)	18
 (Algebra Window)	9
 (Viewpoint).....	63
 (rotate plot)	59
 (magnify plot).....	59
 (shrink plot).....	59