

## New in 6.0: Alphabetical Listing

By far the largest release since Version 1.0 in 1988, Version 6.0 adds a remarkable breadth of new functionality. As well as introducing several major new fundamental concepts, it adds nearly a thousand new functions, and significantly enhances a large fraction of all existing Mathematica functions.

### ■ A

AbsoluteCurrentValue	AlgebraicNumberTrace	ApartSquareFree
Accumulate	AlgebraicUnitQ	Appearance
ActionDelay	Alignment	AppearanceElements
ActionMenu	AlignmentPoint	ArrayFlatten
AffineTransform	AngleBracket	Arrow
AiryAiZero	Animate	Arrowheads
AiryBiZero	AnimationRate	AstronomicalData
AlgebraicIntegerQ	AnimationRepetitions	AutoAction
AlgebraicNumber	AnimationRunning	AutoMultiplicationSymbol
AlgebraicNumberDenominator	Animator	AutorunSequencing
AlgebraicNumberNorm	Annotation	
AlgebraicNumberPolynomial	Antialiasing	

### ■ B

Backslash	BesselYZero	BitSet
Backward	BetaBinomialDistribution	BitShiftLeft
Band	BetaDistribution	BitShiftRight
BaselinePosition	BetaNegativeBinomialDistribution	Blend
BaseStyle	BinCounts	BlockRandom
Because	BinLists	Bold
Beep	BinomialDistribution	BoundaryStyle
BellB	BitClear	BracketingBar
BernoulliDistribution	BitGet	BrayCurtisDistance
BesselJZero	BitLength	Button

## ■ C

CanberraDistance	CircleDot	ControllerLinking
CancelButton	CircleMinus	ControllerManipulate
Cap	CirclePlus	ControllerMethod
CapitalDifferentialD	CircleTimes	ControllerPath
CatalanNumber	CityData	ControllerState
CauchyDistribution	ClearSystemCache	ControlPlacement
CDF	ClickPane	ControlsRendering
CellChangeTimes	ClippingStyle	ControlType
CellContext	Clock	Convergents
CellEpilog	Colon	CoprimeQ
CellEvaluationFunction	ColorData	Coproduct
CellEventActions	ColorDataFunction	Correlation
CellGroup	ColorSetter	CorrelationDistance
CellProlog	ColorSlider	CosineDistance
CenterDot	Column	CountRoots
CentralMoment	Commonest	CountryData
CharacteristicFunction	Compress	Covariance
ChebyshevDistance	Congruent	CreateDialog
Checkbox	ConstantArray	CreateDocument
CheckboxBar	ContentSelectable	CreatePalette
ChemicalData	ContinuousAction	CreateWindow
ChiDistribution	ContourLabels	Cup
ChineseRemainder	ContourPlot3D	CupCap
ChiSquareDistribution	ControlActive	CurrentValue
ChoiceDialog	ControllerInformation	Cylinder

## ■ D

Darker	DialogNotebook	DoubleLeftRightArrow
Dashed	DialogReturn	DoubleLongLeftArrow
DataReversed	Diamond	DoubleLongLeftRightArrow
DateDifference	DiceDissimilarity	DoubleLongRightArrow
DateFunction	DictionaryLookup	DoubleRightArrow
DateList	Differences	DoubleUpArrow
DateListPlot	DifferentialD	DoubleUpDownArrow
DatePattern	DirectedEdges	DoubleVerticalBar
DatePlus	Directive	DownArrow
DateString	DiscreteUniformDistribution	DownArrowBar
DateTicksFormat	Discriminant	DownArrowUpArrow
DefaultButton	DisplayAllSteps	DownLeftRightVector
DefaultDuration	DistanceFunction	DownLeftTeeVector
DefaultElement	Dividers	DownLeftVector
DefaultOptions	Divisible	DownLeftVectorBar
Defer	DockedCells	DownRightTeeVector
Deinitialization	DocumentNotebook	DownRightVector
Del	DotDashed	DownRightVectorBar
Delimiter	DotEqual	DownTeeArrow
Deploy	Dotted	Dynamic
Deployed	DoubleBracketingBar	DynamicModule
Diagonal	DoubleDownArrow	DynamicModuleValues
DialogInput	DoubleLeftArrow	DynamicSetting

## ■ E

EdgeLabeling	EqualTilde	ExclusionsStyle
EdgeRenderingFunction	Equilibrium	ExpectedValue
EditDistance	EuclideanDistance	ExponentialDistribution
ElementData	EventHandler	ExponentialMovingAverage
EmitSound	ExampleData	ExpressionCell
Enabled	Exclusions	ExtremeValueDistribution

## ■ F

FaceGridsStyle	FinancialData	Framed
FieldSize	FindClusters	FrameMargins
FileFormat	FindShortestTour	FrameTicksStyle
FileHash	FinishDynamic	FRatioDistribution
FileNameSetter	FlipView	FrobeniusNumber
FilePrint	Forward	FrobeniusSolve
Filling	ForwardBackward	FrontEndEventActions
FillingStyle	FourierDCT	Full
FilterRules	FourierDST	

## ■ G

GammaDistribution	GraphicsComplex	GreaterGreater
GenericCylindricalDecomposition	GraphicsGrid	GreaterLess
GeometricDistribution	GraphicsGroup	GreaterSlantEqual
GeometricMean	GraphicsRow	GreaterTilde
GeometricTransformation	GraphPlot	Grid
Glow	GraphPlot3D	GridLinesStyle
GraphData	GreaterEqualLess	GumbelDistribution
GraphicsColumn	GreaterFullEqual	

## ■ H

HalfNormalDistribution	HarmonicMean	HornerForm
HammingDistance	HeavisideTheta	HumpDownHump
HankelH1	HermiteDecomposition	HumpEqual
HankelH2	HermitianMatrixQ	HypergeometricDistribution
HankelMatrix	HilbertMatrix	Hyperlink

## ■ I

ImagePadding	InstallService	Invisible
ImageScaled	IntegerLength	IsolatingInterval
ImageSizeAction	IntegerPartitions	IsotopeData
ImageSizeMultipliers	IntegerString	Italic
Inherited	Interpretation	Item
Initialization	InterquartileRange	ItemAspectRatio
InputField	InverseCDF	ItemSize
Inset	InverseGaussianDistribution	ItemStyle

## ■ J

JaccardDissimilarity	Joined
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## ■ K

KelvinBei	KelvinKer	KroneckerSymbol
KelvinBer	KnotData	Kurtosis
KelvinKei	KroneckerProduct	

## ■ L

Labeled	LeftVector	ListLogLinearPlot
LabelStyle	LeftVectorBar	ListLogLogPlot
LaplaceDistribution	LengthWhile	ListLogPlot
Large	LessEqualGreater	ListPointPlot3D
Larger	LessFullEqual	ListPolarPlot
LatticeData	LessGreater	ListSurfacePlot3D
LayeredGraphPlot	LessLess	LocalizeVariables
LayerSizeFunction	LessSlantEqual	Locator
LeastSquares	LessTilde	LocatorAutoCreate
LeftArrow	LightBlue	LocatorCentering
LeftArrowBar	LightBrown	LocatorPane
LeftArrowRightArrow	LightCyan	LocatorRegion
LeftDownTeeVector	Lighter	LogisticDistribution
LeftDownVector	LightGray	LogLinearPlot
LeftDownVectorBar	LightGreen	LogLogPlot
LeftRightArrow	LightingAngle	LogNormalDistribution
LeftRightVector	LightMagenta	LogPlot
LeftTeeArrow	LightOrange	LogSeriesDistribution
LeftTeeVector	LightPink	Longest
LeftTriangle	LightPurple	LongLeftArrow
LeftTriangleBar	LightRed	LongLeftRightArrow
LeftTriangleEqual	LightYellow	LongRightArrow
LeftUpDownVector	LinearFractionalTransform	LowerLeftArrow
LeftUpTeeVector	ListAnimate	LowerRightArrow
LeftUpVector	ListContourPlot3D	LucasL
LeftUpVectorBar	ListLinePlot	

## ■ M

Magnify	MedianDeviation	Modal
ManhattanDistance	Medium	Monitor
Manipulate	MenuView	MouseAnnotation
Manipulator	MeshFunctions	Mouseover
Manual	MeshShading	MousePosition
MatchingDissimilarity	MessageDialog	MovingAverage
MatrixPlot	MinimalPolynomial	MovingMedian
MaxwellDistribution	MinusPlus	MultiedgeStyle
MeanDeviation	Missing	

## ■ N

NCache	NotGreaterLess	NotSquareSubsetEqual
Nearest	NotGreaterSlantEqual	NotSquareSuperset
NearestFunction	NotGreaterTilde	NotSquareSupersetEqual
NegativeBinomialDistribution	NotHumpDownHump	NotSubset
NestedGreaterGreater	NotHumpEqual	NotSubsetEqual
NestedLessLess	NotLeftTriangle	NotSucceeds
NextPrime	NotLeftTriangleBar	NotSucceedsEqual
NoncentralChiSquareDistribution	NotLeftTriangleEqual	NotSucceedsSlantEqual
NoncentralFRatioDistribution	NotLess	NotSucceedsTilde
NoncentralStudentTDistribution	NotLessEqual	NotSuperset
NorlundB	NotLessFullEqual	NotSupersetEqual
NormalDistribution	NotLessGreater	NotTilde
Normalize	NotLessLess	NotTildeEqual
NormalsFunction	NotLessSlantEqual	NotTildeFullEqual
NotCongruent	NotLessTilde	NotTildeTilde
NotCupCap	NotNestedGreaterGreater	NotVerticalBar
NotDoubleVerticalBar	NotNestedLessLess	NumberFieldClassNumber
NotebookDirectory	NotPrecedes	NumberFieldDiscriminant
NotebookEventActions	NotPrecedesEqual	NumberFieldFundamentalUnits
NotElement	NotPrecedesSlantEqual	NumberFieldIntegralBasis
NotEqualTilde	NotPrecedesTilde	NumberFieldNormRepresentatives
NotExists	NotReverseElement	NumberFieldRegulator
NotGreater	NotRightTriangle	NumberFieldRootsOfUnity
NotGreaterEqual	NotRightTriangleBar	NumberFieldSignature
NotGreaterFullEqual	NotRightTriangleEqual	
NotGreaterGreater	NotSquareSubset	

## ■ O

Opacity	OptionValue	OverDot
Opener	Orthogonalize	OverHat
OpenerView	OutputSizeLimit	OverTilde
OptionsPattern	OverBar	OverVector

## ■ P

PackingMethod	PerformanceGoal	PossibleZeroQ
PadeApproximant	Plain	PowerModList
PaletteNotebook	PlotMarkers	PowersRepresentations
Pane	PlotRangeClipping	Precedes
Panel	PlotRangePadding	PrecedesEqual
Paneled	PlusMinus	PrecedesSlantEqual
PaneSelector	PoissonDistribution	PrecedesTilde
ParabolicCylinderD	PolarPlot	PreserveImageOptions
ParetoDistribution	PolyhedronData	PrimePowerQ
ParticleData	PolynomialExtendedGCD	PrimitiveRoot
PassEventsDown	PolynomialQuotientRemainder	PrintTemporary
PassEventsUp	PopupMenu	ProgressIndicator
PasteButton	PopupView	Projection
PatternSequence	PopupWindow	Proportion
PDF	PositiveDefiniteMatrixQ	Proportional

## ■ Q

QuadraticIrrationalQ	Quartiles	Quiet
QuartileDeviation	QuartileSkewness	QuotientRemainder

## ■ R

RadioButton	RefreshRate	RightTriangleBar
RadioButtonBar	RegionFunction	RightTriangleEqual
RamanujanTau	RegionPlot	RightUpDownVector
RamanujanTauL	RegionPlot3D	RightUpTeeVector
RamanujanTauTheta	ReliefPlot	RightUpVector
RamanujanTauZ	RescalingTransform	RightUpVectorBar
RandomChoice	ReverseElement	RightVector
RandomComplex	ReverseEquilibrium	RightVectorBar
RandomInteger	ReverseUpEquilibrium	RogersTanimotoDissimilarity
RandomPrime	RevolutionPlot3D	RootApproximant
RandomReal	Riffle	RootIntervals
RandomSample	RightArrow	RootMeanSquare
Rasterize	RightArrowBar	RootOfUnityQ
RasterSize	RightArrowLeftArrow	Rotate
RawBoxes	RightDownTeeVector	RotationAction
RayleighDistribution	RightDownVector	RotationMatrix
RealExponent	RightDownVectorBar	RotationTransform
ReflectionMatrix	RightTeeArrow	Row
ReflectionTransform	RightTeeVector	RussellRaoDissimilarity
Refresh	RightTriangle	

## ■ S

SaveDefinitions	Spacings	SquareUnion
Scale	Span	Star
ScalingMatrix	SpanFromAbove	StatusArea
ScalingTransform	SpanFromBoth	StringFormat
SelfLoopStyle	SpanFromLeft	StudentTDistribution
SemialgebraicComponentInstances	Specularity	Style
SetSystemOptions	Sphere	Subfactorial
Setter	SphericalBesselJ	SubMinus
SetterBar	SphericalBesselY	SubPlus
Setting	SphericalHankelH1	Subset
ShearingMatrix	SphericalHankelH2	SubsetEqual
ShearingTransform	SphericalPlot3D	SubStar
ShortDownArrow	SpheroidalEigenvalue	Succeeds
Shortest	SpheroidalJoiningFactor	SucceedsEqual
ShortLeftArrow	SpheroidalPS	SucceedsSlantEqual
ShortRightArrow	SpheroidalPSPrime	SucceedsTilde
ShortUpArrow	SpheroidalQS	SuchThat
ShowGroupOpener	SpheroidalQSPrime	SuperDagger
ShrinkingDelay	SpheroidalRadialFactor	SuperMinus
SiegelTheta	SpheroidalS1	SuperPlus
Sinc	SpheroidalS1Prime	Superset
Skewness	SpheroidalS2	SupersetEqual
Slider	SpheroidalS2Prime	SuperStar
Slider2D	Square	SymmetricPolynomial
SlideView	SquaredEuclideanDistance	SymmetricReduction
Small	SquareFreeQ	SynchronousInitialization
SmallCircle	SquareIntersection	SynchronousUpdating
Smaller	SquaresR	SyntaxInformation
SokalSneathDissimilarity	SquareSubset	SystemDialogInput
SortBy	SquareSubsetEqual	SystemInformation
SoundNote	SquareSuperset	SystemOptions
Spacer	SquareSupersetEqual	

## ■ T

TabView	TildeFullEqual	TransformationMatrix
TakeWhile	TildeTilde	Translate
Tally	Tiny	TranslationTransform
TextCell	ToeplitzMatrix	TreePlot
Therefore	Toggler	TriangularDistribution
Thick	TogglerBar	Trigger
Thin	ToNumberField	TrimmedMean
TicksStyle	Tooltip	TuringMachine
Tilde	TrackedSymbols	
TildeEqual	TransformationFunction	



## U

Uncompress	Unitize	UpDownArrow
UnderBar	UnitVector	UpEquilibrium
Underlined	UpArrow	UpperLeftArrow
Underscript	UpArrowBar	UpperRightArrow
UniformDistribution	UpArrowDownArrow	UpTeeArrow
UnionPlus	UpdateInterval	

## ■ V

VectorAngle	VertexNormals	VerticalTilde
Vee	VertexRenderingFunction	ViewAngle
VertexColors	VerticalBar	ViewMatrix
VertexCoordinateRules	VerticalSeparator	ViewRange
VertexLabeling	VerticalSlider	ViewVector

## ■ W

Wedge	WhittakerW	WordData
WeibullDistribution	WindowOpacity	
WhittakerM	WindowStatusArea	

## ■ Y

YuleDissimilarity

## ■ Z

ZernikeR	ZetaZero	ZipfDistribution
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## ■ S

\$Canceled	\$FrontEndSession	\$SystemWordLength
\$CharacterEncodings	\$MachineAddresses	\$TimeZone
\$ControlActiveSetting	\$MachineDomains	\$UserDocumentsDirectory
\$DateStringFormat	\$OutputSizeLimit	
\$DynamicEvaluation	\$PerformanceGoal	

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