Analysis of *Mathematica* 8 Symbols and Functions

By Nasser M. Abbasi
Updated March 9,2011

Introduction

The following is quantitative analysis of *Mathematica* 8.0 in terms of what functions and symbols it contains. This includes all the AddOns package which come with *Mathematica 8*.0 outside of the kernel and have to be loaded to be used. These packages are standard packages that come with *Mathematica*, but are not inside the kernel itself. These are the packages listed in "Wolfram/Mathematica/8.0/AddOns/Packages"

Finding a list of just the functions (i.e. not just Symbols) was a bit tricky. This is how this was done
1) Run the notebook called getUsageMessages.nb, located in this folder.
2) Select all the output cells, COPY AS TEXT, then put the result in plain text file called "packagesFunctions.txt" in the same folder as this notebook
3) Open this notebook (called process.nb) and run it. It will read the text file and process it.

Thanks for John R. Fultz for suggesting in the Math group to use SyntaxInformation[] and the Usage message to help determine which Symbols are functions and which are not.

Table showing number of Symbols in System and all other AddOns Packages

In[20]:=
```
Get["Utilities`CleanSlate`"]
SetOptions[CleanSlate, Verbose -> False];
```

In[22]:=
```
(* removed the following as they gave errors: "BarCharts",
"Combinatorica", "Compatibility", "ComputationalGeometry","Geodesy",
"GUIKit", "Histograms", "HypothesisTesting", "LinearRegression",
"NonlinearRegression", "PieCharts","Units","VectorAnalysis","VectorFieldPlots",
"Benchmarking","Developer","Experimental","MultivariateStatistics", *)
addOnPackages = {"ANOVA", "Audio", "BlackBodyRadiation", "Calendar",
    "ComputerArithmetic", "EquationTrekker", "ErrorBarPlots", "FiniteFields",
    "FourierSeries", "FunctionApproximations", "GraphUtilities",
    "HierarchicalClustering", "Music", "Notation", "NumericalCalculus",
    "NumericalDifferentialEquationAnalysis", "PhysicalConstants", "PlotLegends",
    "PolyhedronOperations", "Polytopes", "PrimalityProving", "Quaternions",
    "RegressionCommon", "ResonanceAbsorptionLines", "Splines", "StandardAtmosphere",
    "StatisticalPlots", "VariationalMethods",  "WorldPlot", "XML"};
addOnPackages = Sort[addOnPackages];
```

```
In[24]:= numberOfSymbolsInPackage[nameOfPackage_] := Module[{n},
           (*Print["processing package ",nameOfPackage];*)
           Get[nameOfPackage <> "`"];
           n = Length[Names[nameOfPackage <> "`*"]];
           CleanSlate[Evaluate[nameOfPackage <> "`"]];
           n
         ];
```

```
In[25]:=
        data = Table[{i, addOnPackages[[i]], numberOfSymbolsInPackage[addOnPackages[[i]]]},
           {i, 1, Length[addOnPackages]}];
```

```
In[1]:= data = Prepend[data, {0, "System", Length[Names["System`*"]]}];
```

```
In[2]:= TableForm[data, TableHeadings → {None, {"#", "Context", "Number of symbols"}}]
        Print["Total number of symbols = ", Total[data[[All, 3]]]]
```

Out[2]//TableForm=

#	Context	Number of symbols
0	System	4145
1	ANOVA	8
2	Audio	18
3	BlackBodyRadiation	4
4	Calendar	20
5	ComputerArithmetic	17
6	EquationTrekker	9
7	ErrorBarPlots	4
8	FiniteFields	20
9	FourierSeries	17
10	FunctionApproximations	21
11	GraphUtilities	33
12	HierarchicalClustering	13
13	Music	183
14	Notation	22
15	NumericalCalculus	10
16	NumericalDifferentialEquationAnalysis	39
17	PhysicalConstants	51
18	PlotLegends	21
19	PolyhedronOperations	4
20	Polytopes	18
21	PrimalityProving	14
22	Quaternions	18
23	RegressionCommon	38
24	ResonanceAbsorptionLines	15
25	Splines	10
26	StandardAtmosphere	15
27	StatisticalPlots	24
28	VariationalMethods	6
29	WorldPlot	43
30	XML	0

Total number of symbols = 4860

Finding the functions in System and all other AddOns packages

In[4]:=
```
isFunction[name_String] := Module[{m},
  m = SyntaxInformation[Symbol[name]];
  If[Length[m] > 0, True, False]
 ]

getFunctionsInSystem[] := Module[{data, result, i, funs},
  funs = Names["System`*"];
  data = Table[If[isFunction[funs[[i]]], funs[[i]], ""],
    {i, 1, Length[funs]}];
  result = Flatten[Select[data, StringLength[#] > 0 &]];
  result = Table[{"System", result[[i]]}, {i, 1, Length[result]}]
 ]

getFunctionsInPackage[pkgName_, data_] := Module[{result, i},
  (*Print["getFunctionsInPackage, pkgName=",pkgName];*)
  result = StringCases[data, RegularExpression["^\\w*\\["]];
  result = Union[result];
  result = Flatten[Select[result, Length[#] > 0 &]];
  result = StringReplace[result, x__ ~~ "[" → x];
  result = Table[{StringTake[pkgName, {2, -1}], result[[i]]}, {i, 1, Length[result]}]
 ]
```

 We be in the same folder as the data file, this command below changes directories so that the current directory becomes the same as where this notebook is saved. Which should be also the same folder where this text file is.

In[7]:=
```
SetDirectory[ToFileName[Extract[
    "FileName" /.NotebookInformation[EvaluationNotebook[]], {1}, FrontEnd`FileName]]]
```

Out[7]= G:\nabbasi\data\nabbasi_web_Page\my_notes\compare_mathematica\version_8_0_1

In[8]:= **FileNames[]**

Out[8]= {getUsageMessages.nb, HTMLFiles, HTMLLinks,
     listing_system_names.nb, packagesFunctions.txt, process.html, process.nb}

In[9]:= **data = ReadList["packagesFunctions.txt", String];**

In[10]:=
```
r = StringCases[data, RegularExpression["^<"]];
r = Position[r, "<"][[All, 1]];
r = Append[r, Length[data] + 1];
```

```
In[13]:= result = Table[
      Table[{ data[[ r[[j]] ]] , data[[k]]}, {k, r[[j]] + 1, r[[j + 1]] - 1}],
      {j, 1, Length[r] - 1}
     ];

    result = Table[getFunctionsInPackage[result[[i, 1, 1]], result[[i, All, 2]]],
        {i, 1, Length[result]}];
    result = Flatten[result, 1];

    resultForSystem = getFunctionsInSystem[];
    result = Union[resultForSystem, result];
    result = Table[{i, result[[i, 1]], result[[i, 2]]}, {i, 1, Length[result]}];
    TableForm[result, TableHeadings → {None, {"#", "Context", "Function Name"}}]
```

Out[19]//TableForm=

#	Context	Function Name
1	ANOVA	ANOVA
2	Audio	AmplitudeModulation
3	Audio	FrequencyModulation
4	Audio	ListWaveform
5	Audio	PlaySoundFile
6	Audio	ReadSoundFile
7	Audio	Waveform
8	BlackBodyRadiation	BlackBodyProfile
9	BlackBodyRadiation	MaxPower
10	BlackBodyRadiation	PeakWavelength
11	BlackBodyRadiation	TotalPower
12	Calendar	CalendarChange
13	Calendar	DateQ
14	Calendar	DayOfWeek
15	Calendar	DaysBetween
16	Calendar	DaysPlus
17	Calendar	EasterSunday
18	Calendar	EasterSundayGreekOrthodox
19	Calendar	JewishNewYear
20	ComputerArithmetic	Arithmetic
21	ComputerArithmetic	ComputerNumber
22	ComputerArithmetic	IdealDivide
23	ComputerArithmetic	MachineError
24	ComputerArithmetic	MicroscopePlot
25	ComputerArithmetic	MicroscopicErrorPlot
26	ComputerArithmetic	SetArithmetic
27	ComputerArithmetic	Ulp
28	EquationTrekker	EquationTrekker
29	EquationTrekker	EquationTrekkerState
30	EquationTrekker	InitializeGenerator
31	EquationTrekker	IntializeGenerator
32	EquationTrekker	TrekData
33	ErrorBarPlots	ErrorBar
34	ErrorBarPlots	ErrorListPlot
35	FiniteFields	Characteristic
36	FiniteFields	ElementToPolynomial
37	FiniteFields	ExtensionDegree
38	FiniteFields	FieldExp

39	FiniteFields	FieldInd
40	FiniteFields	FieldIrreducible
41	FiniteFields	FromElementCode
42	FiniteFields	FunctionOfCode
43	FiniteFields	FunctionOfCoefficients
44	FiniteFields	GF
45	FiniteFields	IrreduciblePolynomial
46	FiniteFields	PerfectPowerQ
47	FiniteFields	PolynomialToElement
48	FiniteFields	PowerList
49	FiniteFields	PowerListQ
50	FiniteFields	PowerListToField
51	FiniteFields	ReduceElement
52	FiniteFields	SetFieldFormat
53	FiniteFields	Successor
54	FiniteFields	ToElementCode
55	FourierSeries	DTFourierTransform
56	FourierSeries	InverseDTFourierTransform
57	FourierSeries	InverseFourierCoefficient
58	FourierSeries	NDTFourierTransform
59	FourierSeries	NFourierCoefficient
60	FourierSeries	NFourierCosCoefficient
61	FourierSeries	NFourierCosTransform
62	FourierSeries	NFourierSeries
63	FourierSeries	NFourierSinCoefficient
64	FourierSeries	NFourierSinTransform
65	FourierSeries	NFourierTransform
66	FourierSeries	NFourierTrigSeries
67	FourierSeries	NInverseDTFourierTransform
68	FourierSeries	NInverseFourierCoefficient
69	FourierSeries	NInverseFourierCosTransform
70	FourierSeries	NInverseFourierSinTransform
71	FourierSeries	NInverseFourierTransform
72	FunctionApproximations	EconomizedRationalApproximation
73	FunctionApproximations	GeneralMiniMaxApproximation
74	FunctionApproximations	GeneralRationalInterpolation
75	FunctionApproximations	InterpolateRoot
76	FunctionApproximations	MiniMaxApproximation
77	FunctionApproximations	NIntegrateInterpolatingFunction
78	FunctionApproximations	OrderStarPlot
79	FunctionApproximations	RationalInterpolation
80	GraphUtilities	Bicomponents
81	GraphUtilities	CommunityModularity
82	GraphUtilities	CommunityStructureAssignment
83	GraphUtilities	CommunityStructurePartition
84	GraphUtilities	ExpressionTree
85	GraphUtilities	ExpressionTreePlot
86	GraphUtilities	GraphCoordinates
87	GraphUtilities	GraphCoordinates3D
88	GraphUtilities	GraphEdit
89	GraphUtilities	GraphPath
90	GraphUtilities	HamiltonianCycles
91	GraphUtilities	LineScaledCoordinate
92	GraphUtilities	LinkRankMatrix
93	GraphUtilities	LinkRanks

94	GraphUtilities	MaximalBipartiteMatching
95	GraphUtilities	MaximalIndependentVertexSet
96	GraphUtilities	MaximalIndepndentEdgeSet
97	GraphUtilities	MinCut
98	GraphUtilities	MinimumBandwidthOrdering
99	GraphUtilities	NeighborhoodSubgraph
100	GraphUtilities	NeighborhoodVertices
101	GraphUtilities	PageRanks
102	GraphUtilities	PageRankVector
103	GraphUtilities	PseudoDiameter
104	GraphUtilities	StrongComponents
105	GraphUtilities	ToCombinatoricaGraph
106	GraphUtilities	WeakComponents
107	MultivariateStatistics	Attributes
108	MultivariateStatistics	Ellipsoid
109	System	AbelianGroup
110	System	Abort
111	System	AbortKernels
112	System	AbortProtect
113	System	Abs
114	System	AbsoluteCurrentValue
115	System	AbsoluteDashing
116	System	AbsoluteFileName
117	System	AbsoluteOptions
118	System	AbsolutePointSize
119	System	AbsoluteThickness
120	System	AbsoluteTime
121	System	AbsoluteTiming
122	System	AccountingForm
123	System	Accumulate
124	System	Accuracy
125	System	ActionMenu
126	System	AcyclicGraphQ
127	System	AddTo
128	System	AdjacencyGraph
129	System	AdjacencyMatrix
130	System	AdjustmentBox
131	System	AffineTransform
132	System	AiryAi
133	System	AiryAiPrime
134	System	AiryAiZero
135	System	AiryBi
136	System	AiryBiPrime
137	System	AiryBiZero
138	System	AlgebraicIntegerQ
139	System	AlgebraicNumber
140	System	AlgebraicNumberDenominator
141	System	AlgebraicNumberNorm
142	System	AlgebraicNumberPolynomial
143	System	AlgebraicNumberTrace
144	System	AlgebraicUnitQ
145	System	AlphaChannel
146	System	AlternatingGroup
147	System	Alternatives
148	System	And

149	System	AndersonDarlingTest
150	System	AngerJ
151	System	AngleBracket
152	System	Animate
153	System	Animator
154	System	Annotation
155	System	Annuity
156	System	AnnuityDue
157	System	Apart
158	System	ApartSquareFree
159	System	AppellF1
160	System	Append
161	System	AppendTo
162	System	Apply
163	System	ArcCos
164	System	ArcCosh
165	System	ArcCot
166	System	ArcCoth
167	System	ArcCsc
168	System	ArcCsch
169	System	ArcSec
170	System	ArcSech
171	System	ArcSin
172	System	ArcSinDistribution
173	System	ArcSinh
174	System	ArcTan
175	System	ArcTanh
176	System	Arg
177	System	ArgMax
178	System	ArgMin
179	System	ArgumentCountQ
180	System	ArithmeticGeometricMean
181	System	Array
182	System	ArrayComponents
183	System	ArrayDepth
184	System	ArrayFlatten
185	System	ArrayPad
186	System	ArrayPlot
187	System	ArrayQ
188	System	ArrayRules
189	System	Arrow
190	System	Arrowheads
191	System	Assert
192	System	Assuming
193	System	AstronomicalData
194	System	AtomQ
195	System	Attributes
196	System	AugmentedSymmetricPolynomial
197	System	BabyMonsterGroupB
198	System	Backslash
199	System	Band
200	System	BarabasiAlbertGraphDistribution
201	System	BarnesG
202	System	BaseForm
203	System	BatesDistribution

204	System	BattleLemarieWavelet
205	System	Because
206	System	BeckmannDistribution
207	System	Beep
208	System	Begin
209	System	BeginDialogPacket
210	System	BeginPackage
211	System	BellB
212	System	BellY
213	System	BenfordDistribution
214	System	BeniniDistribution
215	System	BenktanderGibratDistribution
216	System	BenktanderWeibullDistribution
217	System	BernoulliB
218	System	BernoulliDistribution
219	System	BernoulliGraphDistribution
220	System	BernsteinBasis
221	System	BesselI
222	System	BesselJ
223	System	BesselJZero
224	System	BesselK
225	System	BesselY
226	System	BesselYZero
227	System	Beta
228	System	BetaBinomialDistribution
229	System	BetaDistribution
230	System	BetaNegativeBinomialDistribution
231	System	BetaPrimeDistribution
232	System	BetaRegularized
233	System	BetweennessCentrality
234	System	BezierCurve
235	System	BezierFunction
236	System	BilateralFilter
237	System	Binarize
238	System	BinaryImageQ
239	System	BinaryRead
240	System	BinaryReadList
241	System	BinaryWrite
242	System	BinCounts
243	System	BinLists
244	System	Binomial
245	System	BinomialDistribution
246	System	BinormalDistribution
247	System	BiorthogonalSplineWavelet
248	System	BipartiteGraphQ
249	System	BirnbaumSaundersDistribution
250	System	BitAnd
251	System	BitClear
252	System	BitGet
253	System	BitLength
254	System	BitNot
255	System	BitOr
256	System	BitSet
257	System	BitShiftLeft
258	System	BitShiftRight

259	System	BitXor
260	System	Blank
261	System	BlankNullSequence
262	System	BlankSequence
263	System	Blend
264	System	Block
265	System	BlockRandom
266	System	Blur
267	System	BodePlot
268	System	Boole
269	System	BooleanConvert
270	System	BooleanCountingFunction
271	System	BooleanFunction
272	System	BooleanGraph
273	System	BooleanMaxterms
274	System	BooleanMinimize
275	System	BooleanMinterms
276	System	BooleanTable
277	System	BooleanVariables
278	System	BorderDimensions
279	System	BorelTannerDistribution
280	System	BottomHatTransform
281	System	BoxData
282	System	BoxMatrix
283	System	BoxWhiskerChart
284	System	BracketingBar
285	System	BrayCurtisDistance
286	System	BreadthFirstScan
287	System	Break
288	System	BSplineBasis
289	System	BSplineCurve
290	System	BSplineFunction
291	System	BSplineSurface
292	System	BubbleChart
293	System	BubbleChart3D
294	System	ButterflyGraph
295	System	Button
296	System	ButtonBar
297	System	ButtonBox
298	System	ButtonNotebook
299	System	ByteCount
300	System	C
301	System	CallPacket
302	System	CanberraDistance
303	System	Cancel
304	System	CancelButton
305	System	CandlestickChart
306	System	Cap
307	System	CapForm
308	System	CapitalDifferentialD
309	System	CarmichaelLambda
310	System	Cases
311	System	Cashflow
312	System	Casoratian
313	System	CatalanNumber

314	System	Catch
315	System	CauchyDistribution
316	System	CayleyGraph
317	System	CDF
318	System	CDFWavelet
319	System	Ceiling
320	System	Cell
321	System	CellGroup
322	System	CellGroupData
323	System	CellPrint
324	System	CellularAutomaton
325	System	CensoredDistribution
326	System	Censoring
327	System	CenterDot
328	System	CentralMoment
329	System	CentralMomentGeneratingFunction
330	System	CForm
331	System	ChampernowneNumber
332	System	ChanVeseBinarize
333	System	CharacteristicFunction
334	System	CharacteristicPolynomial
335	System	CharacterRange
336	System	Characters
337	System	ChebyshevDistance
338	System	ChebyshevT
339	System	ChebyshevU
340	System	Check
341	System	CheckAbort
342	System	CheckAll
343	System	Checkbox
344	System	CheckboxBar
345	System	ChemicalData
346	System	ChessboardDistance
347	System	ChiDistribution
348	System	ChineseRemainder
349	System	ChiSquareDistribution
350	System	ChoiceButtons
351	System	ChoiceDialog
352	System	CholeskyDecomposition
353	System	Chop
354	System	Circle
355	System	CircleDot
356	System	CircleMinus
357	System	CirclePlus
358	System	CircleTimes
359	System	CirculantGraph
360	System	CityData
361	System	Clear
362	System	ClearAll
363	System	ClearAttributes
364	System	ClearSystemCache
365	System	ClebschGordan
366	System	ClickPane
367	System	Clip
368	System	Clock

369	System	Close
370	System	CloseKernels
371	System	ClosenessCentrality
372	System	Closing
373	System	ClusteringComponents
374	System	CMYKColor
375	System	Coefficient
376	System	CoefficientArrays
377	System	CoefficientList
378	System	CoefficientRules
379	System	CoifletWavelet
380	System	Collect
381	System	Colon
382	System	ColonForm
383	System	ColorCombine
384	System	ColorConvert
385	System	ColorData
386	System	ColorDataFunction
387	System	Colorize
388	System	ColorNegate
389	System	ColorQuantize
390	System	ColorSeparate
391	System	ColorSetter
392	System	ColorSetterBox
393	System	ColorSlider
394	System	Column
395	System	ColumnForm
396	System	Commonest
397	System	CommonestFilter
398	System	Compile
399	System	CompiledFunction
400	System	Complement
401	System	CompleteGraph
402	System	CompleteGraphQ
403	System	CompleteKaryTree
404	System	ComplexExpand
405	System	ComponentMeasurements
406	System	ComposeList
407	System	ComposeSeries
408	System	Composition
409	System	CompoundExpression
410	System	Compress
411	System	Condition
412	System	ConditionalExpression
413	System	Conditioned
414	System	Cone
415	System	Congruent
416	System	Conjugate
417	System	ConjugateTranspose
418	System	ConnectedComponents
419	System	ConnectedGraphQ
420	System	ConstantArray
421	System	Context
422	System	Contexts
423	System	ContextToFileName

424	System	Continue
425	System	ContinuedFraction
426	System	ContinuedFractionK
427	System	ContinuousTimeModelQ
428	System	ContinuousWaveletData
429	System	ContinuousWaveletTransform
430	System	ContourDetect
431	System	ContourGraphics
432	System	ContourPlot
433	System	ContourPlot3D
434	System	ContraharmonicMean
435	System	Control
436	System	ControlActive
437	System	ControllabilityGramian
438	System	ControllabilityMatrix
439	System	ControllableDecomposition
440	System	ControllableModelQ
441	System	ControllerInformation
442	System	ControllerManipulate
443	System	ControllerState
444	System	Convergents
445	System	Convolve
446	System	ConwayGroupCo1
447	System	ConwayGroupCo2
448	System	ConwayGroupCo3
449	System	CoprimeQ
450	System	Coproduct
451	System	CopulaDistribution
452	System	CopyDirectory
453	System	CopyFile
454	System	CopyToClipboard
455	System	CornerFilter
456	System	Correlation
457	System	CorrelationDistance
458	System	Cos
459	System	Cosh
460	System	CoshIntegral
461	System	CosineDistance
462	System	CosIntegral
463	System	Cot
464	System	Coth
465	System	Count
466	System	CountRoots
467	System	CountryData
468	System	Covariance
469	System	CramerVonMisesTest
470	System	CreateArchive
471	System	CreateDialog
472	System	CreateDirectory
473	System	CreateDocument
474	System	CreatePalette
475	System	CreateScheduledTask
476	System	CreateWindow
477	System	CriticalSection
478	System	Cross

479	System	CrossingDetect
480	System	CrossMatrix
481	System	Csc
482	System	Csch
483	System	Cuboid
484	System	Cumulant
485	System	CumulantGeneratingFunction
486	System	Cup
487	System	CupCap
488	System	CurrentImage
489	System	CurrentValue
490	System	CurvatureFlowFilter
491	System	CycleGraph
492	System	Cycles
493	System	CyclicGroup
494	System	Cyclotomic
495	System	Cylinder
496	System	CylindricalDecomposition
497	System	D
498	System	DagumDistribution
499	System	DamerauLevenshteinDistance
500	System	Darker
501	System	Dashing
502	System	DataDistribution
503	System	Date
504	System	DateDifference
505	System	DateList
506	System	DateListLogPlot
507	System	DateListPlot
508	System	DatePattern
509	System	DatePlus
510	System	DateString
511	System	DaubechiesWavelet
512	System	DawsonF
513	System	DeBruijnGraph
514	System	DeclarePackage
515	System	Decompose
516	System	Decrement
517	System	DedekindEta
518	System	Default
519	System	DefaultButton
520	System	DefaultValues
521	System	Defer
522	System	Definition
523	System	DegreeCentrality
524	System	DegreeGraphDistribution
525	System	Del
526	System	Delete
527	System	DeleteBorderComponents
528	System	DeleteCases
529	System	DeleteDirectory
530	System	DeleteDuplicates
531	System	DeleteFile
532	System	DeleteSmallComponents
533	System	Denominator

534	System	DensityHistogram
535	System	DensityPlot
536	System	Deploy
537	System	Depth
538	System	DepthFirstScan
539	System	Derivative
540	System	DerivativeFilter
541	System	DesignMatrix
542	System	Det
543	System	DGaussianWavelet
544	System	Diagonal
545	System	DiagonalMatrix
546	System	Dialog
547	System	DialogInput
548	System	DialogNotebook
549	System	DialogReturn
550	System	Diamond
551	System	DiamondMatrix
552	System	DiceDissimilarity
553	System	DictionaryLookup
554	System	DifferenceDelta
555	System	DifferenceRoot
556	System	DifferenceRootReduce
557	System	Differences
558	System	DifferentialD
559	System	DifferentialRoot
560	System	DifferentialRootReduce
561	System	DigitCount
562	System	DigitQ
563	System	DihedralGroup
564	System	Dilation
565	System	Dimensions
566	System	DiracComb
567	System	DiracDelta
568	System	DirectedEdge
569	System	DirectedGraph
570	System	DirectedGraphQ
571	System	DirectedInfinity
572	System	Directive
573	System	Directory
574	System	DirectoryName
575	System	DirectoryQ
576	System	DirectoryStack
577	System	DirichletCharacter
578	System	DirichletConvolve
579	System	DirichletDistribution
580	System	DirichletL
581	System	DirichletTransform
582	System	DiscreteConvolve
583	System	DiscreteDelta
584	System	DiscreteIndicator
585	System	DiscreteLQEstimatorGains
586	System	DiscreteLQRegulatorGains
587	System	DiscreteLyapunovSolve
588	System	DiscretePlot

589	System	DiscretePlot3D
590	System	DiscreteRatio
591	System	DiscreteRiccatiSolve
592	System	DiscreteShift
593	System	DiscreteTimeModelQ
594	System	DiscreteUniformDistribution
595	System	DiscreteWaveletData
596	System	DiscreteWaveletPacketTransform
597	System	DiscreteWaveletTransform
598	System	Discriminant
599	System	Disjunction
600	System	Disk
601	System	DiskMatrix
602	System	Dispatch
603	System	Display
604	System	DisplayEndPacket
605	System	DisplayForm
606	System	DisplayPacket
607	System	DisplayString
608	System	DistanceTransform
609	System	Distribute
610	System	Distributed
611	System	DistributeDefinitions
612	System	DistributionChart
613	System	DistributionFitTest
614	System	DistributionParameterAssumptions
615	System	DistributionParameterQ
616	System	Divide
617	System	DivideBy
618	System	Divisible
619	System	Divisors
620	System	DivisorSigma
621	System	DivisorSum
622	System	DMSList
623	System	DMSString
624	System	Do
625	System	DocumentNotebook
626	System	Dot
627	System	DotEqual
628	System	DoubleBracketingBar
629	System	DoubleDownArrow
630	System	DoubleLeftArrow
631	System	DoubleLeftRightArrow
632	System	DoubleLeftTee
633	System	DoubleLongLeftArrow
634	System	DoubleLongLeftRightArrow
635	System	DoubleLongRightArrow
636	System	DoubleRightArrow
637	System	DoubleRightTee
638	System	DoubleUpArrow
639	System	DoubleUpDownArrow
640	System	DoubleVerticalBar
641	System	DownArrow
642	System	DownArrowBar
643	System	DownArrowUpArrow

644	System	DownLeftRightVector
645	System	DownLeftTeeVector
646	System	DownLeftVector
647	System	DownLeftVectorBar
648	System	DownRightTeeVector
649	System	DownRightVector
650	System	DownRightVectorBar
651	System	DownTee
652	System	DownTeeArrow
653	System	DownValues
654	System	Drop
655	System	DSolve
656	System	Dt
657	System	DualSystemsModel
658	System	DumpGet
659	System	DumpSave
660	System	Dynamic
661	System	DynamicBox
662	System	DynamicModule
663	System	DynamicSetting
664	System	DynamicWrapper
665	System	EdgeAdd
666	System	EdgeCount
667	System	EdgeCoverQ
668	System	EdgeDelete
669	System	EdgeDetect
670	System	EdgeForm
671	System	EdgeIndex
672	System	EdgeList
673	System	EdgeQ
674	System	EdgeRules
675	System	EditDistance
676	System	EffectiveInterest
677	System	Eigensystem
678	System	Eigenvalues
679	System	EigenvectorCentrality
680	System	Eigenvectors
681	System	Element
682	System	ElementData
683	System	Eliminate
684	System	EllipticE
685	System	EllipticExp
686	System	EllipticExpPrime
687	System	EllipticF
688	System	EllipticK
689	System	EllipticLog
690	System	EllipticNomeQ
691	System	EllipticPi
692	System	EllipticReducedHalfPeriods
693	System	EllipticTheta
694	System	EllipticThetaPrime
695	System	EmitSound
696	System	EmpiricalDistribution
697	System	EmptyGraphQ
698	System	Encode

699	System	End
700	System	EndAdd
701	System	EndDialogPacket
702	System	EndPackage
703	System	EngineeringForm
704	System	EnterExpressionPacket
705	System	EnterTextPacket
706	System	Entropy
707	System	EntropyFilter
708	System	Environment
709	System	Equal
710	System	EqualTilde
711	System	Equilibrium
712	System	Equivalent
713	System	Erf
714	System	Erfc
715	System	Erfi
716	System	ErlangDistribution
717	System	Erosion
718	System	ErrorBox
719	System	EstimatedDistribution
720	System	EstimatorGains
721	System	EstimatorRegulator
722	System	EuclideanDistance
723	System	EulerE
724	System	EulerianGraphQ
725	System	EulerPhi
726	System	Evaluate
727	System	EvaluatePacket
728	System	EvaluationNotebook
729	System	EvaluationObject
730	System	EvenQ
731	System	EventHandler
732	System	ExactNumberQ
733	System	ExampleData
734	System	Except
735	System	Exists
736	System	Exit
737	System	Exp
738	System	Expand
739	System	ExpandAll
740	System	ExpandDenominator
741	System	ExpandFileName
742	System	ExpandNumerator
743	System	Expectation
744	System	ExpectedValue
745	System	ExpGammaDistribution
746	System	ExpIntegralE
747	System	ExpIntegralEi
748	System	Exponent
749	System	ExponentialDistribution
750	System	ExponentialGeneratingFunction
751	System	ExponentialMovingAverage
752	System	ExponentialPowerDistribution
753	System	Export

754	System	ExportString
755	System	ExpressionCell
756	System	ExpToTrig
757	System	ExtendedGCD
758	System	Extract
759	System	ExtractArchive
760	System	ExtremeValueDistribution
761	System	FaceForm
762	System	Factor
763	System	Factorial
764	System	Factorial2
765	System	FactorialMoment
766	System	FactorialMomentGeneratingFunction
767	System	FactorialPower
768	System	FactorInteger
769	System	FactorList
770	System	FactorSquareFree
771	System	FactorSquareFreeList
772	System	FactorTerms
773	System	FactorTermsList
774	System	Fibonacci
775	System	FileBaseName
776	System	FileByteCount
777	System	FileDate
778	System	FileExistsQ
779	System	FileExtension
780	System	FileFormat
781	System	FileHash
782	System	FileNameDepth
783	System	FileNameDrop
784	System	FileNameJoin
785	System	FileNames
786	System	FileNameSetter
787	System	FileNameSplit
788	System	FileNameTake
789	System	FilePrint
790	System	FileType
791	System	FilledCurve
792	System	FillingTransform
793	System	FilterRules
794	System	FinancialBond
795	System	FinancialData
796	System	FinancialDerivative
797	System	FinancialIndicator
798	System	Find
799	System	FindArgMax
800	System	FindArgMin
801	System	FindClique
802	System	FindClusters
803	System	FindCurvePath
804	System	FindDistributionParameters
805	System	FindDivisions
806	System	FindEdgeCover
807	System	FindEulerianCycle
808	System	FindFile

809	System	FindFit
810	System	FindGeneratingFunction
811	System	FindGeoLocation
812	System	FindGeometricTransform
813	System	FindGraphIsomorphism
814	System	FindHamiltonianCycle
815	System	FindIndependentEdgeSet
816	System	FindIndependentVertexSet
817	System	FindInstance
818	System	FindIntegerNullVector
819	System	FindLibrary
820	System	FindLinearRecurrence
821	System	FindList
822	System	FindMaximum
823	System	FindMaxValue
824	System	FindMinimum
825	System	FindMinValue
826	System	FindRoot
827	System	FindSequenceFunction
828	System	FindShortestPath
829	System	FindShortestTour
830	System	FindThreshold
831	System	FindVertexCover
832	System	FinishDynamic
833	System	FiniteAbelianGroupCount
834	System	FiniteGroupCount
835	System	FiniteGroupData
836	System	First
837	System	FischerGroupFi22
838	System	FischerGroupFi23
839	System	FischerGroupFi24Prime
840	System	FisherHypergeometricDistribution
841	System	FisherZDistribution
842	System	Fit
843	System	FittedModel
844	System	FixedPoint
845	System	FixedPointList
846	System	Flatten
847	System	FlattenAt
848	System	FlipView
849	System	Floor
850	System	Fold
851	System	FoldList
852	System	For
853	System	ForAll
854	System	Format
855	System	FormatValues
856	System	FormBox
857	System	FortranForm
858	System	Fourier
859	System	FourierCoefficient
860	System	FourierCosCoefficient
861	System	FourierCosSeries
862	System	FourierCosTransform
863	System	FourierDCT

```
864    System              FourierDST
865    System              FourierSequenceTransform
866    System              FourierSeries
867    System              FourierSinCoefficient
868    System              FourierSinSeries
869    System              FourierSinTransform
870    System              FourierTransform
871    System              FourierTrigSeries
872    System              FractionalPart
873    System              FractionBox
874    System              FrameBox
875    System              Framed
876    System              FRatioDistribution
877    System              FrechetDistribution
878    System              FreeQ
879    System              FresnelC
880    System              FresnelS
881    System              FrobeniusNumber
882    System              FrobeniusSolve
883    System              FromCharacterCode
884    System              FromCoefficientRules
885    System              FromContinuedFraction
886    System              FromDate
887    System              FromDigits
888    System              FromDMS
889    System              FrontEndExecute
890    System              FrontEndToken
891    System              FrontEndTokenExecute
892    System              FullAxes
893    System              FullDefinition
894    System              FullForm
895    System              FullGraphics
896    System              FullSimplify
897    System              Function
898    System              FunctionExpand
899    System              FunctionInterpolation
900    System              GaborWavelet
901    System              GainMargins
902    System              GainPhaseMargins
903    System              Gamma
904    System              GammaDistribution
905    System              GammaRegularized
906    System              Gather
907    System              GatherBy
908    System              GaussianFilter
909    System              GaussianMatrix
910    System              GCD
911    System              GegenbauerC
912    System              GeneralizedLinearModelFit
913    System              GeneratingFunction
914    System              GenericCylindricalDecomposition
915    System              GenomeData
916    System              GenomeLookup
917    System              GeodesicDilation
918    System              GeodesicErosion
```

919	System	GeoDestination
920	System	GeodesyData
921	System	GeoDirection
922	System	GeoDistance
923	System	GeoGridPosition
924	System	GeometricDistribution
925	System	GeometricMean
926	System	GeometricMeanFilter
927	System	GeometricTransformation
928	System	GeoPosition
929	System	GeoPositionXYZ
930	System	GeoProjectionData
931	System	Get
932	System	GetContext
933	System	Glow
934	System	GompertzMakehamDistribution
935	System	Goto
936	System	GradientFilter
937	System	Graph
938	System	GraphCenter
939	System	GraphComplement
940	System	GraphData
941	System	GraphDiameter
942	System	GraphDifference
943	System	GraphDisjointUnion
944	System	GraphDistance
945	System	GraphDistanceMatrix
946	System	Graphics
947	System	Graphics3D
948	System	GraphicsArray
949	System	GraphicsColumn
950	System	GraphicsComplex
951	System	GraphicsGrid
952	System	GraphicsGroup
953	System	GraphicsRow
954	System	GraphIntersection
955	System	GraphPeriphery
956	System	GraphPlot
957	System	GraphPlot3D
958	System	GraphPower
959	System	GraphQ
960	System	GraphRadius
961	System	GraphUnion
962	System	GrayLevel
963	System	Greater
964	System	GreaterEqual
965	System	GreaterEqualLess
966	System	GreaterFullEqual
967	System	GreaterGreater
968	System	GreaterLess
969	System	GreaterSlantEqual
970	System	GreaterTilde
971	System	Grid
972	System	GridBox
973	System	GridGraph

974	System	GroebnerBasis
975	System	GroupCentralizer
976	System	GroupElementPosition
977	System	GroupElementQ
978	System	GroupElements
979	System	GroupGenerators
980	System	GroupMultiplicationTable
981	System	GroupOrbits
982	System	GroupOrder
983	System	GroupSetwiseStabilizer
984	System	GroupStabilizer
985	System	GroupStabilizerChain
986	System	Gudermannian
987	System	GumbelDistribution
988	System	HaarWavelet
989	System	HalfNormalDistribution
990	System	HamiltonianGraphQ
991	System	HammingDistance
992	System	HankelH1
993	System	HankelH2
994	System	HankelMatrix
995	System	HaradaNortonGroupHN
996	System	HararyGraph
997	System	HarmonicMean
998	System	HarmonicMeanFilter
999	System	HarmonicNumber
1000	System	Hash
1001	System	Haversine
1002	System	HazardFunction
1003	System	Head
1004	System	HeadCompose
1005	System	HeavisideLambda
1006	System	HeavisidePi
1007	System	HeavisideTheta
1008	System	HeldGroupHe
1009	System	HermiteDecomposition
1010	System	HermiteH
1011	System	HermitianMatrixQ
1012	System	HessenbergDecomposition
1013	System	HighlightGraph
1014	System	HigmanSimsGroupHS
1015	System	HilbertMatrix
1016	System	Histogram
1017	System	Histogram3D
1018	System	HistogramDistribution
1019	System	HistogramList
1020	System	HitMissTransform
1021	System	HITSCentrality
1022	System	Hold
1023	System	HoldComplete
1024	System	HoldForm
1025	System	HoldPattern
1026	System	HornerForm
1027	System	HotellingTSquareDistribution
1028	System	HoytDistribution

1029	System	HTMLSave
1030	System	Hue
1031	System	HumpDownHump
1032	System	HumpEqual
1033	System	HurwitzLerchPhi
1034	System	HurwitzZeta
1035	System	HyperbolicDistribution
1036	System	HypercubeGraph
1037	System	Hyperfactorial
1038	System	Hypergeometric0F1
1039	System	Hypergeometric0F1Regularized
1040	System	Hypergeometric1F1
1041	System	Hypergeometric1F1Regularized
1042	System	Hypergeometric2F1
1043	System	Hypergeometric2F1Regularized
1044	System	HypergeometricDistribution
1045	System	HypergeometricPFQ
1046	System	HypergeometricPFQRegularized
1047	System	HypergeometricU
1048	System	Hyperlink
1049	System	HypothesisTestData
1050	System	Identity
1051	System	IdentityMatrix
1052	System	If
1053	System	Im
1054	System	Image
1055	System	ImageAdd
1056	System	ImageAdjust
1057	System	ImageAlign
1058	System	ImageApply
1059	System	ImageAspectRatio
1060	System	ImageAssemble
1061	System	ImageCapture
1062	System	ImageChannels
1063	System	ImageClip
1064	System	ImageColorSpace
1065	System	ImageCompose
1066	System	ImageConvolve
1067	System	ImageCooccurrence
1068	System	ImageCorrelate
1069	System	ImageCorrespondingPoints
1070	System	ImageCrop
1071	System	ImageData
1072	System	ImageDeconvolve
1073	System	ImageDifference
1074	System	ImageDimensions
1075	System	ImageEffect
1076	System	ImageFilter
1077	System	ImageForestingComponents
1078	System	ImageForwardTransformation
1079	System	ImageHistogram
1080	System	ImageKeypoints
1081	System	ImageLevels
1082	System	ImageLines
1083	System	ImageMultiply

```
1084    System              ImagePad
1085    System              ImagePartition
1086    System              ImagePerspectiveTransformation
1087    System              ImageQ
1088    System              ImageReflect
1089    System              ImageResize
1090    System              ImageRotate
1091    System              ImageScaled
1092    System              ImageSubtract
1093    System              ImageTake
1094    System              ImageTransformation
1095    System              ImageTrim
1096    System              ImageType
1097    System              ImageValue
1098    System              Implies
1099    System              Import
1100    System              ImportString
1101    System              In
1102    System              IncidenceGraph
1103    System              IncidenceMatrix
1104    System              Increment
1105    System              IndependentEdgeSetQ
1106    System              IndependentVertexSetQ
1107    System              IndexGraph
1108    System              InexactNumberQ
1109    System              Infix
1110    System              Information
1111    System              Inner
1112    System              Inpaint
1113    System              Input
1114    System              InputField
1115    System              InputForm
1116    System              InputNamePacket
1117    System              InputNotebook
1118    System              InputPacket
1119    System              InputStream
1120    System              InputString
1121    System              InputStringPacket
1122    System              Insert
1123    System              Inset
1124    System              Install
1125    System              InstallService
1126    System              InString
1127    System              IntegerDigits
1128    System              IntegerExponent
1129    System              IntegerLength
1130    System              IntegerPart
1131    System              IntegerPartitions
1132    System              IntegerQ
1133    System              IntegerString
1134    System              Integrate
1135    System              InteractiveTradingChart
1136    System              InternallyBalancedDecomposition
1137    System              InterpolatingFunction
1138    System              InterpolatingPolynomial
```

1139	System	Interpolation
1140	System	Interpretation
1141	System	InterpretationBox
1142	System	InterquartileRange
1143	System	Interrupt
1144	System	Intersection
1145	System	Interval
1146	System	IntervalIntersection
1147	System	IntervalMemberQ
1148	System	IntervalUnion
1149	System	Inverse
1150	System	InverseBetaRegularized
1151	System	InverseCDF
1152	System	InverseChiSquareDistribution
1153	System	InverseContinuousWaveletTransform
1154	System	InverseDistanceTransform
1155	System	InverseEllipticNomeQ
1156	System	InverseErf
1157	System	InverseErfc
1158	System	InverseFourier
1159	System	InverseFourierCosTransform
1160	System	InverseFourierSequenceTransform
1161	System	InverseFourierSinTransform
1162	System	InverseFourierTransform
1163	System	InverseFunction
1164	System	InverseGammaDistribution
1165	System	InverseGammaRegularized
1166	System	InverseGaussianDistribution
1167	System	InverseGudermannian
1168	System	InverseHaversine
1169	System	InverseJacobiCD
1170	System	InverseJacobiCN
1171	System	InverseJacobiCS
1172	System	InverseJacobiDC
1173	System	InverseJacobiDN
1174	System	InverseJacobiDS
1175	System	InverseJacobiNC
1176	System	InverseJacobiND
1177	System	InverseJacobiNS
1178	System	InverseJacobiSC
1179	System	InverseJacobiSD
1180	System	InverseJacobiSN
1181	System	InverseLaplaceTransform
1182	System	InversePermutation
1183	System	InverseRadon
1184	System	InverseSeries
1185	System	InverseSurvivalFunction
1186	System	InverseWaveletTransform
1187	System	InverseWeierstrassP
1188	System	InverseZTransform
1189	System	Invisible
1190	System	IrreduciblePolynomialQ
1191	System	IsolatingInterval
1192	System	IsomorphicGraphQ
1193	System	IsotopeData

1194	System	Item
1195	System	JaccardDissimilarity
1196	System	JacobiAmplitude
1197	System	JacobiCD
1198	System	JacobiCN
1199	System	JacobiCS
1200	System	JacobiDC
1201	System	JacobiDN
1202	System	JacobiDS
1203	System	JacobiNC
1204	System	JacobiND
1205	System	JacobiNS
1206	System	JacobiP
1207	System	JacobiSC
1208	System	JacobiSD
1209	System	JacobiSN
1210	System	JacobiSymbol
1211	System	JacobiZeta
1212	System	JankoGroupJ1
1213	System	JankoGroupJ2
1214	System	JankoGroupJ3
1215	System	JankoGroupJ4
1216	System	JarqueBeraALMTest
1217	System	JohnsonDistribution
1218	System	Join
1219	System	JoinedCurve
1220	System	JoinForm
1221	System	JordanDecomposition
1222	System	JordanModelDecomposition
1223	System	KagiChart
1224	System	KalmanEstimator
1225	System	KarhunenLoeveDecomposition
1226	System	KaryTree
1227	System	KatzCentrality
1228	System	KCoreComponents
1229	System	KDistribution
1230	System	KelvinBei
1231	System	KelvinBer
1232	System	KelvinKei
1233	System	KelvinKer
1234	System	KernelMixtureDistribution
1235	System	KernelObject
1236	System	Kernels
1237	System	KirchhoffGraph
1238	System	KirchhoffMatrix
1239	System	KleinInvariantJ
1240	System	KnightTourGraph
1241	System	KnotData
1242	System	KolmogorovSmirnovTest
1243	System	KroneckerDelta
1244	System	KroneckerProduct
1245	System	KroneckerSymbol
1246	System	KuiperTest
1247	System	KumaraswamyDistribution
1248	System	Kurtosis

1249	System	KuwaharaFilter
1250	System	Label
1251	System	Labeled
1252	System	LaguerreL
1253	System	LandauDistribution
1254	System	LaplaceDistribution
1255	System	LaplaceTransform
1256	System	LaplacianFilter
1257	System	LaplacianGaussianFilter
1258	System	Last
1259	System	Latitude
1260	System	LatitudeLongitude
1261	System	LatticeData
1262	System	LatticeReduce
1263	System	LaunchKernels
1264	System	LayeredGraphPlot
1265	System	LCM
1266	System	LeafCount
1267	System	LeastSquares
1268	System	LeftArrow
1269	System	LeftArrowBar
1270	System	LeftArrowRightArrow
1271	System	LeftDownTeeVector
1272	System	LeftDownVector
1273	System	LeftDownVectorBar
1274	System	LeftRightArrow
1275	System	LeftRightVector
1276	System	LeftTee
1277	System	LeftTeeArrow
1278	System	LeftTeeVector
1279	System	LeftTriangle
1280	System	LeftTriangleBar
1281	System	LeftTriangleEqual
1282	System	LeftUpDownVector
1283	System	LeftUpTeeVector
1284	System	LeftUpVector
1285	System	LeftUpVectorBar
1286	System	LeftVector
1287	System	LeftVectorBar
1288	System	Legended
1289	System	LegendreP
1290	System	LegendreQ
1291	System	Length
1292	System	LengthWhile
1293	System	LerchPhi
1294	System	Less
1295	System	LessEqual
1296	System	LessEqualGreater
1297	System	LessFullEqual
1298	System	LessGreater
1299	System	LessLess
1300	System	LessSlantEqual
1301	System	LessTilde
1302	System	LetterQ
1303	System	Level

1304	System	LeviCivitaTensor
1305	System	LevyDistribution
1306	System	LibraryFunction
1307	System	LibraryFunctionError
1308	System	LibraryFunctionInformation
1309	System	LibraryFunctionLoad
1310	System	LibraryFunctionUnload
1311	System	LibraryLoad
1312	System	LibraryUnload
1313	System	LiftingFilterData
1314	System	LiftingWaveletTransform
1315	System	Lighter
1316	System	Likelihood
1317	System	Limit
1318	System	LindleyDistribution
1319	System	Line
1320	System	LinearFractionalTransform
1321	System	LinearModelFit
1322	System	LinearProgramming
1323	System	LinearRecurrence
1324	System	LinearSolve
1325	System	LinearSolveFunction
1326	System	LineBreakChart
1327	System	LineForm
1328	System	LineGraph
1329	System	LineIntegralConvolutionPlot
1330	System	LinkClose
1331	System	LinkConnect
1332	System	LinkCreate
1333	System	LinkError
1334	System	LinkFlush
1335	System	LinkInterrupt
1336	System	LinkLaunch
1337	System	LinkObject
1338	System	LinkPatterns
1339	System	LinkRead
1340	System	LinkReadHeld
1341	System	LinkReadyQ
1342	System	Links
1343	System	LinkWrite
1344	System	LinkWriteHeld
1345	System	LiouvilleLambda
1346	System	List
1347	System	ListAnimate
1348	System	ListContourPlot
1349	System	ListContourPlot3D
1350	System	ListConvolve
1351	System	ListCorrelate
1352	System	ListCurvePathPlot
1353	System	ListDeconvolve
1354	System	ListDensityPlot
1355	System	ListInterpolation
1356	System	ListLineIntegralConvolutionPlot
1357	System	ListLinePlot
1358	System	ListLogLinearPlot

1359	System	ListLogLogPlot
1360	System	ListLogPlot
1361	System	ListPlay
1362	System	ListPlot
1363	System	ListPlot3D
1364	System	ListPointPlot3D
1365	System	ListPolarPlot
1366	System	ListQ
1367	System	ListStreamDensityPlot
1368	System	ListStreamPlot
1369	System	ListSurfacePlot3D
1370	System	ListVectorDensityPlot
1371	System	ListVectorPlot
1372	System	ListVectorPlot3D
1373	System	LocationEquivalenceTest
1374	System	LocationTest
1375	System	Locator
1376	System	LocatorPane
1377	System	Log
1378	System	Log10
1379	System	Log2
1380	System	LogBarnesG
1381	System	LogGamma
1382	System	LogGammaDistribution
1383	System	LogicalExpand
1384	System	LogIntegral
1385	System	LogisticDistribution
1386	System	LogitModelFit
1387	System	LogLikelihood
1388	System	LogLinearPlot
1389	System	LogLogisticDistribution
1390	System	LogLogPlot
1391	System	LogNormalDistribution
1392	System	LogPlot
1393	System	LogSeriesDistribution
1394	System	Longest
1395	System	LongestCommonSequence
1396	System	LongestCommonSubsequence
1397	System	Longitude
1398	System	LongLeftArrow
1399	System	LongLeftRightArrow
1400	System	LongRightArrow
1401	System	LoopFreeGraphQ
1402	System	LowerCaseQ
1403	System	LowerLeftArrow
1404	System	LowerRightArrow
1405	System	LowerTriangularize
1406	System	LQEstimatorGains
1407	System	LQGRegulator
1408	System	LQOutputRegulatorGains
1409	System	LQRegulatorGains
1410	System	LucasL
1411	System	LUDecomposition
1412	System	LyapunovSolve
1413	System	LyonsGroupLy

1414	System	MachineNumberQ
1415	System	Magnify
1416	System	MainSolve
1417	System	Majority
1418	System	MakeBoxes
1419	System	MakeExpression
1420	System	MangoldtLambda
1421	System	ManhattanDistance
1422	System	Manipulate
1423	System	Manipulator
1424	System	MannWhitneyTest
1425	System	MantissaExponent
1426	System	Map
1427	System	MapAll
1428	System	MapAt
1429	System	MapIndexed
1430	System	MapThread
1431	System	MarcumQ
1432	System	MardiaCombinedTest
1433	System	MardiaKurtosisTest
1434	System	MardiaSkewnessTest
1435	System	MarginalDistribution
1436	System	MatchingDissimilarity
1437	System	MatchQ
1438	System	MathieuC
1439	System	MathieuCharacteristicA
1440	System	MathieuCharacteristicB
1441	System	MathieuCharacteristicExponent
1442	System	MathieuCPrime
1443	System	MathieuGroupM11
1444	System	MathieuGroupM12
1445	System	MathieuGroupM22
1446	System	MathieuGroupM23
1447	System	MathieuGroupM24
1448	System	MathieuS
1449	System	MathieuSPrime
1450	System	MathMLForm
1451	System	MatrixExp
1452	System	MatrixForm
1453	System	MatrixPlot
1454	System	MatrixPower
1455	System	MatrixQ
1456	System	MatrixRank
1457	System	Max
1458	System	MaxDetect
1459	System	MaxFilter
1460	System	Maximize
1461	System	MaxMemoryUsed
1462	System	MaxStableDistribution
1463	System	MaxValue
1464	System	MaxwellDistribution
1465	System	McLaughlinGroupMcL
1466	System	Mean
1467	System	MeanDeviation
1468	System	MeanFilter

1469	System	MeanShift
1470	System	MeanShiftFilter
1471	System	Median
1472	System	MedianDeviation
1473	System	MedianFilter
1474	System	MeijerG
1475	System	MemberQ
1476	System	MemoryConstrained
1477	System	MemoryInUse
1478	System	MenuPacket
1479	System	MenuView
1480	System	Message
1481	System	MessageDialog
1482	System	MessageList
1483	System	MessagePacket
1484	System	Messages
1485	System	MexicanHatWavelet
1486	System	MeyerWavelet
1487	System	Min
1488	System	MinDetect
1489	System	MinFilter
1490	System	MinimalPolynomial
1491	System	MinimalStateSpaceModel
1492	System	Minimize
1493	System	Minors
1494	System	MinStableDistribution
1495	System	Minus
1496	System	MinusPlus
1497	System	MinValue
1498	System	Missing
1499	System	MixtureDistribution
1500	System	Mod
1501	System	ModularLambda
1502	System	Module
1503	System	MoebiusMu
1504	System	Moment
1505	System	MomentConvert
1506	System	MomentEvaluate
1507	System	MomentGeneratingFunction
1508	System	Monitor
1509	System	MonomialList
1510	System	MonsterGroupM
1511	System	MorletWavelet
1512	System	MorphologicalBinarize
1513	System	MorphologicalBranchPoints
1514	System	MorphologicalComponents
1515	System	MorphologicalEulerNumber
1516	System	MorphologicalGraph
1517	System	MorphologicalPerimeter
1518	System	MorphologicalTransform
1519	System	Most
1520	System	MouseAnnotation
1521	System	MouseAppearance
1522	System	MouseButtons
1523	System	Mouseover

1524	System	MousePosition
1525	System	MovingAverage
1526	System	MovingMedian
1527	System	MoyalDistribution
1528	System	Multinomial
1529	System	MultinomialDistribution
1530	System	MultinormalDistribution
1531	System	MultiplicativeOrder
1532	System	MultivariateHypergeometricDistribution
1533	System	MultivariatePoissonDistribution
1534	System	MultivariateTDistribution
1535	System	N
1536	System	NakagamiDistribution
1537	System	NameQ
1538	System	Names
1539	System	Nand
1540	System	NArgMax
1541	System	NArgMin
1542	System	NBernoulliB
1543	System	NCache
1544	System	NDSolve
1545	System	Nearest
1546	System	NearestFunction
1547	System	NeedlemanWunschSimilarity
1548	System	Needs
1549	System	Negative
1550	System	NegativeBinomialDistribution
1551	System	NegativeMultinomialDistribution
1552	System	NeighborhoodGraph
1553	System	Nest
1554	System	NestedGreaterGreater
1555	System	NestedLessLess
1556	System	NestList
1557	System	NestWhile
1558	System	NestWhileList
1559	System	NevilleThetaC
1560	System	NevilleThetaD
1561	System	NevilleThetaN
1562	System	NevilleThetaS
1563	System	NExpectation
1564	System	NextPrime
1565	System	NicholsPlot
1566	System	NIntegrate
1567	System	NMaximize
1568	System	NMaxValue
1569	System	NMinimize
1570	System	NMinValue
1571	System	NoncentralBetaDistribution
1572	System	NoncentralChiSquareDistribution
1573	System	NoncentralFRatioDistribution
1574	System	NoncentralStudentTDistribution
1575	System	NonCommutativeMultiply
1576	System	NonlinearModelFit
1577	System	NonNegative
1578	System	NonPositive

1579	System	Nor
1580	System	NorlundB
1581	System	Norm
1582	System	Normal
1583	System	NormalDistribution
1584	System	Normalize
1585	System	NormalizedSquaredEuclideanDistance
1586	System	Not
1587	System	NotCongruent
1588	System	NotCupCap
1589	System	NotDoubleVerticalBar
1590	System	Notebook
1591	System	NotebookApply
1592	System	NotebookClose
1593	System	NotebookCreate
1594	System	NotebookDelete
1595	System	NotebookDirectory
1596	System	NotebookEvaluate
1597	System	NotebookFileName
1598	System	NotebookFind
1599	System	NotebookGet
1600	System	NotebookLocate
1601	System	NotebookObject
1602	System	NotebookOpen
1603	System	NotebookPrint
1604	System	NotebookPut
1605	System	NotebookRead
1606	System	Notebooks
1607	System	NotebookSave
1608	System	NotebookSelection
1609	System	NotebookWrite
1610	System	NotElement
1611	System	NotEqualTilde
1612	System	NotExists
1613	System	NotGreater
1614	System	NotGreaterEqual
1615	System	NotGreaterFullEqual
1616	System	NotGreaterGreater
1617	System	NotGreaterLess
1618	System	NotGreaterSlantEqual
1619	System	NotGreaterTilde
1620	System	NotHumpDownHump
1621	System	NotHumpEqual
1622	System	NotLeftTriangle
1623	System	NotLeftTriangleBar
1624	System	NotLeftTriangleEqual
1625	System	NotLess
1626	System	NotLessEqual
1627	System	NotLessFullEqual
1628	System	NotLessGreater
1629	System	NotLessLess
1630	System	NotLessSlantEqual
1631	System	NotLessTilde
1632	System	NotNestedGreaterGreater
1633	System	NotNestedLessLess

1634	System	NotPrecedes
1635	System	NotPrecedesEqual
1636	System	NotPrecedesSlantEqual
1637	System	NotPrecedesTilde
1638	System	NotReverseElement
1639	System	NotRightTriangle
1640	System	NotRightTriangleBar
1641	System	NotRightTriangleEqual
1642	System	NotSquareSubset
1643	System	NotSquareSubsetEqual
1644	System	NotSquareSuperset
1645	System	NotSquareSupersetEqual
1646	System	NotSubset
1647	System	NotSubsetEqual
1648	System	NotSucceeds
1649	System	NotSucceedsEqual
1650	System	NotSucceedsSlantEqual
1651	System	NotSucceedsTilde
1652	System	NotSuperset
1653	System	NotSupersetEqual
1654	System	NotTilde
1655	System	NotTildeEqual
1656	System	NotTildeFullEqual
1657	System	NotTildeTilde
1658	System	NotVerticalBar
1659	System	NProbability
1660	System	NProduct
1661	System	NRoots
1662	System	NSolve
1663	System	NSum
1664	System	NullSpace
1665	System	NumberFieldClassNumber
1666	System	NumberFieldDiscriminant
1667	System	NumberFieldFundamentalUnits
1668	System	NumberFieldIntegralBasis
1669	System	NumberFieldNormRepresentatives
1670	System	NumberFieldRegulator
1671	System	NumberFieldRootsOfUnity
1672	System	NumberFieldSignature
1673	System	NumberForm
1674	System	NumberQ
1675	System	Numerator
1676	System	NumericQ
1677	System	NValues
1678	System	NyquistPlot
1679	System	O
1680	System	ObservabilityGramian
1681	System	ObservabilityMatrix
1682	System	ObservableDecomposition
1683	System	ObservableModelQ
1684	System	OddQ
1685	System	Off
1686	System	Offset
1687	System	On
1688	System	ONanGroupON

```
1689    System              Opacity
1690    System              OpenAppend
1691    System              Opener
1692    System              OpenerView
1693    System              Opening
1694    System              OpenRead
1695    System              OpenTemporary
1696    System              OpenWrite
1697    System              Operate
1698    System              Optional
1699    System              OptionQ
1700    System              Options
1701    System              OptionsPattern
1702    System              OptionValue
1703    System              Or
1704    System              Order
1705    System              OrderDistribution
1706    System              OrderedQ
1707    System              Ordering
1708    System              Orthogonalize
1709    System              Out
1710    System              Outer
1711    System              OutputControllabilityMatrix
1712    System              OutputControllableModelQ
1713    System              OutputForm
1714    System              OutputNamePacket
1715    System              OutputStream
1716    System              OverBar
1717    System              OverDot
1718    System              Overflow
1719    System              OverHat
1720    System              Overlay
1721    System              Overscript
1722    System              OverscriptBox
1723    System              OverTilde
1724    System              OverVector
1725    System              OwenT
1726    System              OwnValues
1727    System              PaddedForm
1728    System              PadeApproximant
1729    System              PadLeft
1730    System              PadRight
1731    System              PageRankCentrality
1732    System              PairedBarChart
1733    System              PairedHistogram
1734    System              PairedTTest
1735    System              PairedZTest
1736    System              PaletteNotebook
1737    System              Pane
1738    System              Panel
1739    System              PaneSelector
1740    System              ParabolicCylinderD
1741    System              ParallelArray
1742    System              ParallelCombine
1743    System              ParallelDo
```

1744	System	ParallelEvaluate
1745	System	Parallelize
1746	System	ParallelMap
1747	System	ParallelNeeds
1748	System	ParallelProduct
1749	System	ParallelSubmit
1750	System	ParallelSum
1751	System	ParallelTable
1752	System	ParallelTry
1753	System	ParameterMixtureDistribution
1754	System	ParametricPlot
1755	System	ParametricPlot3D
1756	System	ParentDirectory
1757	System	Parenthesize
1758	System	ParetoDistribution
1759	System	Part
1760	System	ParticleData
1761	System	Partition
1762	System	PartitionsP
1763	System	PartitionsQ
1764	System	PascalDistribution
1765	System	Paste
1766	System	PasteButton
1767	System	PathGraph
1768	System	PathGraphQ
1769	System	Pattern
1770	System	PatternSequence
1771	System	PatternTest
1772	System	PauliMatrix
1773	System	PaulWavelet
1774	System	Pause
1775	System	PDF
1776	System	PearsonChiSquareTest
1777	System	PearsonDistribution
1778	System	PermutationCycles
1779	System	PermutationCyclesQ
1780	System	PermutationGroup
1781	System	PermutationLength
1782	System	PermutationList
1783	System	PermutationListQ
1784	System	PermutationMax
1785	System	PermutationMin
1786	System	PermutationOrder
1787	System	PermutationPower
1788	System	PermutationProduct
1789	System	PermutationReplace
1790	System	Permutations
1791	System	PermutationSupport
1792	System	Permute
1793	System	PeronaMalikFilter
1794	System	PERTDistribution
1795	System	PetersenGraph
1796	System	PhaseMargins
1797	System	Pick
1798	System	Piecewise

```
1799    System              PiecewiseExpand
1800    System              PieChart
1801    System              PieChart3D
1802    System              PixelValue
1803    System              Placed
1804    System              Placeholder
1805    System              Play
1806    System              Plot
1807    System              Plot3D
1808    System              Plus
1809    System              PlusMinus
1810    System              Pochhammer
1811    System              Point
1812    System              PointFigureChart
1813    System              PointForm
1814    System              PointSize
1815    System              PoissonConsulDistribution
1816    System              PoissonDistribution
1817    System              PolarPlot
1818    System              PolyaAeppliDistribution
1819    System              PolyGamma
1820    System              Polygon
1821    System              PolyhedronData
1822    System              PolyLog
1823    System              PolynomialExtendedGCD
1824    System              PolynomialGCD
1825    System              PolynomialLCM
1826    System              PolynomialMod
1827    System              PolynomialQ
1828    System              PolynomialQuotient
1829    System              PolynomialQuotientRemainder
1830    System              PolynomialReduce
1831    System              PolynomialRemainder
1832    System              Polynomials
1833    System              PopupMenu
1834    System              PopupView
1835    System              PopupWindow
1836    System              Position
1837    System              Positive
1838    System              PositiveDefiniteMatrixQ
1839    System              PossibleZeroQ
1840    System              Postfix
1841    System              Power
1842    System              PowerDistribution
1843    System              PowerExpand
1844    System              PowerMod
1845    System              PowerModList
1846    System              PowersRepresentations
1847    System              PowerSymmetricPolynomial
1848    System              PrecedenceForm
1849    System              Precedes
1850    System              PrecedesEqual
1851    System              PrecedesSlantEqual
1852    System              PrecedesTilde
1853    System              Precision
```

1854	System	PreDecrement
1855	System	PreemptProtect
1856	System	Prefix
1857	System	PreIncrement
1858	System	Prepend
1859	System	PrependTo
1860	System	PriceGraphDistribution
1861	System	Prime
1862	System	PrimeNu
1863	System	PrimeOmega
1864	System	PrimePi
1865	System	PrimePowerQ
1866	System	PrimeQ
1867	System	PrimeZetaP
1868	System	PrimitiveRoot
1869	System	PrincipalComponents
1870	System	Print
1871	System	PrintTemporary
1872	System	Probability
1873	System	ProbabilityDistribution
1874	System	ProbabilityPlot
1875	System	ProbabilityScalePlot
1876	System	ProbitModelFit
1877	System	Product
1878	System	ProductDistribution
1879	System	ProductLog
1880	System	ProgressIndicator
1881	System	Projection
1882	System	PromptForm
1883	System	Property
1884	System	PropertyList
1885	System	PropertyValue
1886	System	Proportion
1887	System	Proportional
1888	System	Protect
1889	System	ProteinData
1890	System	Pruning
1891	System	PseudoInverse
1892	System	Put
1893	System	PutAppend
1894	System	QBinomial
1895	System	QFactorial
1896	System	QGamma
1897	System	QHypergeometricPFQ
1898	System	QPochhammer
1899	System	QPolyGamma
1900	System	QRDecomposition
1901	System	QuadraticIrrationalQ
1902	System	Quantile
1903	System	QuantilePlot
1904	System	QuartileDeviation
1905	System	Quartiles
1906	System	QuartileSkewness
1907	System	Quiet
1908	System	Quit

1909	System	Quotient
1910	System	QuotientRemainder
1911	System	RadicalBox
1912	System	RadioButton
1913	System	RadioButtonBar
1914	System	Radon
1915	System	RamanujanTau
1916	System	RamanujanTauL
1917	System	RamanujanTauTheta
1918	System	RamanujanTauZ
1919	System	Random
1920	System	RandomChoice
1921	System	RandomComplex
1922	System	RandomGraph
1923	System	RandomImage
1924	System	RandomInteger
1925	System	RandomPermutation
1926	System	RandomPrime
1927	System	RandomReal
1928	System	RandomSample
1929	System	RandomVariate
1930	System	Range
1931	System	RangeFilter
1932	System	RankedMax
1933	System	RankedMin
1934	System	Raster
1935	System	RasterArray
1936	System	Rasterize
1937	System	Rationalize
1938	System	Ratios
1939	System	Raw
1940	System	RawBoxes
1941	System	RawData
1942	System	RayleighDistribution
1943	System	Re
1944	System	Read
1945	System	ReadList
1946	System	RealDigits
1947	System	RealExponent
1948	System	Reap
1949	System	Rectangle
1950	System	RectangleChart
1951	System	RectangleChart3D
1952	System	RecurrenceTable
1953	System	Reduce
1954	System	Refine
1955	System	ReflectionMatrix
1956	System	ReflectionTransform
1957	System	Refresh
1958	System	RegionBinarize
1959	System	RegionPlot
1960	System	RegionPlot3D
1961	System	RegularExpression
1962	System	Reinstall
1963	System	ReleaseHold

1964	System	ReliefImage
1965	System	ReliefPlot
1966	System	Remove
1967	System	RemoveAlphaChannel
1968	System	Removed
1969	System	RemoveProperty
1970	System	RemoveScheduledTask
1971	System	RenameDirectory
1972	System	RenameFile
1973	System	RenkoChart
1974	System	Repeated
1975	System	RepeatedNull
1976	System	Replace
1977	System	ReplaceAll
1978	System	ReplaceList
1979	System	ReplacePart
1980	System	ReplaceRepeated
1981	System	Rescale
1982	System	RescalingTransform
1983	System	ResetDirectory
1984	System	ResetScheduledTask
1985	System	Residue
1986	System	Resolve
1987	System	Rest
1988	System	Resultant
1989	System	ResumePacket
1990	System	Return
1991	System	ReturnExpressionPacket
1992	System	ReturnPacket
1993	System	ReturnTextPacket
1994	System	Reverse
1995	System	ReverseBiorthogonalSplineWavelet
1996	System	ReverseElement
1997	System	ReverseEquilibrium
1998	System	ReverseGraph
1999	System	ReverseUpEquilibrium
2000	System	RevolutionPlot3D
2001	System	RGBColor
2002	System	RiccatiSolve
2003	System	RiceDistribution
2004	System	RidgeFilter
2005	System	RiemannR
2006	System	RiemannSiegelTheta
2007	System	RiemannSiegelZ
2008	System	Riffle
2009	System	RightArrow
2010	System	RightArrowBar
2011	System	RightArrowLeftArrow
2012	System	RightCosetRepresentative
2013	System	RightDownTeeVector
2014	System	RightDownVector
2015	System	RightDownVectorBar
2016	System	RightTee
2017	System	RightTeeArrow
2018	System	RightTeeVector

2019	System	RightTriangle
2020	System	RightTriangleBar
2021	System	RightTriangleEqual
2022	System	RightUpDownVector
2023	System	RightUpTeeVector
2024	System	RightUpVector
2025	System	RightUpVectorBar
2026	System	RightVector
2027	System	RightVectorBar
2028	System	RogersTanimotoDissimilarity
2029	System	Root
2030	System	RootApproximant
2031	System	RootIntervals
2032	System	RootLocusPlot
2033	System	RootMeanSquare
2034	System	RootOfUnityQ
2035	System	RootReduce
2036	System	Roots
2037	System	RootSum
2038	System	Rotate
2039	System	RotateLeft
2040	System	RotateRight
2041	System	RotationMatrix
2042	System	RotationTransform
2043	System	Round
2044	System	Row
2045	System	RowBox
2046	System	RowReduce
2047	System	RSolve
2048	System	RudvalisGroupRu
2049	System	Rule
2050	System	RuleDelayed
2051	System	Run
2052	System	RunScheduledTask
2053	System	RunThrough
2054	System	RussellRaoDissimilarity
2055	System	SameQ
2056	System	SampledSoundFunction
2057	System	SampledSoundList
2058	System	SatisfiabilityCount
2059	System	SatisfiabilityInstances
2060	System	SatisfiableQ
2061	System	Save
2062	System	SawtoothWave
2063	System	Scale
2064	System	Scaled
2065	System	ScalingMatrix
2066	System	ScalingTransform
2067	System	Scan
2068	System	SchurDecomposition
2069	System	ScientificForm
2070	System	Sec
2071	System	Sech
2072	System	SechDistribution
2073	System	SectorChart

```
2074    System              SectorChart3D
2075    System              SeedRandom
2076    System              Select
2077    System              SelectComponents
2078    System              SelectedNotebook
2079    System              SelectionAnimate
2080    System              SelectionCreateCell
2081    System              SelectionEvaluate
2082    System              SelectionEvaluateCreateCell
2083    System              SelectionMove
2084    System              SemialgebraicComponentInstances
2085    System              SendMail
2086    System              Sequence
2087    System              SequenceAlignment
2088    System              SequenceForm
2089    System              SequenceLimit
2090    System              Series
2091    System              SeriesCoefficient
2092    System              SeriesData
2093    System              SessionTime
2094    System              Set
2095    System              SetAccuracy
2096    System              SetAlphaChannel
2097    System              SetAttributes
2098    System              SetDelayed
2099    System              SetDirectory
2100    System              SetFileDate
2101    System              SetOptions
2102    System              SetPrecision
2103    System              SetProperty
2104    System              SetSelectedNotebook
2105    System              SetSharedFunction
2106    System              SetSharedVariable
2107    System              SetStreamPosition
2108    System              SetSystemOptions
2109    System              Setter
2110    System              SetterBar
2111    System              Setting
2112    System              Shallow
2113    System              ShannonWavelet
2114    System              ShapiroWilkTest
2115    System              Share
2116    System              Sharpen
2117    System              ShearingMatrix
2118    System              ShearingTransform
2119    System              Short
2120    System              ShortDownArrow
2121    System              Shortest
2122    System              ShortestMatch
2123    System              ShortestPathFunction
2124    System              ShortLeftArrow
2125    System              ShortRightArrow
2126    System              ShortUpArrow
2127    System              Show
2128    System              SiegelTheta
```

2129	System	Sign
2130	System	Signature
2131	System	SignedRankTest
2132	System	SignTest
2133	System	SimpleGraph
2134	System	SimpleGraphQ
2135	System	Simplify
2136	System	Sin
2137	System	Sinc
2138	System	SinghMaddalaDistribution
2139	System	SingularValueDecomposition
2140	System	SingularValueList
2141	System	SingularValuePlot
2142	System	SingularValues
2143	System	Sinh
2144	System	SinhIntegral
2145	System	SinIntegral
2146	System	SixJSymbol
2147	System	Skeleton
2148	System	SkeletonTransform
2149	System	SkellamDistribution
2150	System	Skewness
2151	System	SkewNormalDistribution
2152	System	Skip
2153	System	Slider
2154	System	Slider2D
2155	System	SlideView
2156	System	Slot
2157	System	SlotSequence
2158	System	SmallCircle
2159	System	SmithWatermanSimilarity
2160	System	SmoothDensityHistogram
2161	System	SmoothHistogram
2162	System	SmoothHistogram3D
2163	System	SmoothKernelDistribution
2164	System	SokalSneathDissimilarity
2165	System	Solve
2166	System	SolveAlways
2167	System	Sort
2168	System	SortBy
2169	System	Sound
2170	System	SoundNote
2171	System	Sow
2172	System	SpaceForm
2173	System	Spacer
2174	System	SparseArray
2175	System	Speak
2176	System	Specularity
2177	System	Sphere
2178	System	SphericalBesselJ
2179	System	SphericalBesselY
2180	System	SphericalHankelH1
2181	System	SphericalHankelH2
2182	System	SphericalHarmonicY
2183	System	SphericalPlot3D

2184	System	SpheroidalEigenvalue
2185	System	SpheroidalJoiningFactor
2186	System	SpheroidalPS
2187	System	SpheroidalPSPrime
2188	System	SpheroidalQS
2189	System	SpheroidalQSPrime
2190	System	SpheroidalRadialFactor
2191	System	SpheroidalS1
2192	System	SpheroidalS1Prime
2193	System	SpheroidalS2
2194	System	SpheroidalS2Prime
2195	System	Splice
2196	System	Split
2197	System	SplitBy
2198	System	SpokenString
2199	System	Sqrt
2200	System	SqrtBox
2201	System	Square
2202	System	SquaredEuclideanDistance
2203	System	SquareFreeQ
2204	System	SquareIntersection
2205	System	SquaresR
2206	System	SquareSubset
2207	System	SquareSubsetEqual
2208	System	SquareSuperset
2209	System	SquareSupersetEqual
2210	System	SquareUnion
2211	System	SquareWave
2212	System	StableDistribution
2213	System	Stack
2214	System	StackBegin
2215	System	StackComplete
2216	System	StackInhibit
2217	System	StandardDeviation
2218	System	StandardDeviationFilter
2219	System	StandardForm
2220	System	Standardize
2221	System	Star
2222	System	StarGraph
2223	System	StartScheduledTask
2224	System	StateFeedbackGains
2225	System	StateOutputEstimator
2226	System	StateResponse
2227	System	StateSpaceModel
2228	System	StateSpaceTransform
2229	System	StationaryWaveletPacketTransform
2230	System	StationaryWaveletTransform
2231	System	StatusArea
2232	System	StieltjesGamma
2233	System	StirlingS1
2234	System	StirlingS2
2235	System	StopScheduledTask
2236	System	StreamDensityPlot
2237	System	StreamPlot
2238	System	StreamPosition

2239	System	Streams
2240	System	StringByteCount
2241	System	StringCases
2242	System	StringCount
2243	System	StringDrop
2244	System	StringExpression
2245	System	StringForm
2246	System	StringFormat
2247	System	StringFreeQ
2248	System	StringInsert
2249	System	StringJoin
2250	System	StringLength
2251	System	StringMatchQ
2252	System	StringPosition
2253	System	StringQ
2254	System	StringReplace
2255	System	StringReplaceList
2256	System	StringReplacePart
2257	System	StringReverse
2258	System	StringSkeleton
2259	System	StringSplit
2260	System	StringTake
2261	System	StringToStream
2262	System	StringTrim
2263	System	StripBoxes
2264	System	StruveH
2265	System	StruveL
2266	System	StudentTDistribution
2267	System	Style
2268	System	StyleBox
2269	System	StyleData
2270	System	StyleForm
2271	System	StylePrint
2272	System	Subfactorial
2273	System	Subgraph
2274	System	SubMinus
2275	System	SubPlus
2276	System	Subresultants
2277	System	Subscript
2278	System	SubscriptBox
2279	System	Subset
2280	System	SubsetEqual
2281	System	Subsets
2282	System	SubStar
2283	System	Subsuperscript
2284	System	SubsuperscriptBox
2285	System	Subtract
2286	System	SubtractFrom
2287	System	SubValues
2288	System	Succeeds
2289	System	SucceedsEqual
2290	System	SucceedsSlantEqual
2291	System	SucceedsTilde
2292	System	SuchThat
2293	System	Sum

```
2294    System              SumConvergence
2295    System              SuperDagger
2296    System              SuperMinus
2297    System              SuperPlus
2298    System              Superscript
2299    System              SuperscriptBox
2300    System              Superset
2301    System              SupersetEqual
2302    System              SuperStar
2303    System              SurfaceColor
2304    System              SurvivalDistribution
2305    System              SurvivalFunction
2306    System              SuspendPacket
2307    System              SuzukiDistribution
2308    System              SuzukiGroupSuz
2309    System              Switch
2310    System              Symbol
2311    System              SymbolName
2312    System              SymletWavelet
2313    System              SymmetricGroup
2314    System              SymmetricMatrixQ
2315    System              SymmetricPolynomial
2316    System              SymmetricReduction
2317    System              SyntaxInformation
2318    System              SyntaxLength
2319    System              SyntaxPacket
2320    System              SyntaxQ
2321    System              System`BarChart
2322    System              System`BarChart3D
2323    System              SystemDialogInput
2324    System              SystemInformation
2325    System              SystemOpen
2326    System              SystemOptions
2327    System              SystemsModelDelete
2328    System              SystemsModelDimensions
2329    System              SystemsModelExtract
2330    System              SystemsModelFeedbackConnect
2331    System              SystemsModelOrder
2332    System              SystemsModelParallelConnect
2333    System              SystemsModelSeriesConnect
2334    System              SystemsModelStateFeedbackConnect
2335    System              Table
2336    System              TableForm
2337    System              TabView
2338    System              TagBox
2339    System              TagSet
2340    System              TagSetDelayed
2341    System              TagUnset
2342    System              Take
2343    System              TakeWhile
2344    System              Tally
2345    System              Tan
2346    System              Tanh
2347    System              TautologyQ
2348    System              TeXForm
```

2349	System	TeXSave
2350	System	Text
2351	System	TextCell
2352	System	TextData
2353	System	TextPacket
2354	System	TextRecognize
2355	System	Texture
2356	System	Therefore
2357	System	Thickness
2358	System	Thinning
2359	System	ThompsonGroupTh
2360	System	Thread
2361	System	ThreeJSymbol
2362	System	Threshold
2363	System	Through
2364	System	Throw
2365	System	Thumbnail
2366	System	Tilde
2367	System	TildeEqual
2368	System	TildeFullEqual
2369	System	TildeTilde
2370	System	TimeConstrained
2371	System	Times
2372	System	TimesBy
2373	System	TimeUsed
2374	System	TimeValue
2375	System	TimeZone
2376	System	Timing
2377	System	TitsGroupT
2378	System	ToBoxes
2379	System	ToCharacterCode
2380	System	ToColor
2381	System	ToContinuousTimeModel
2382	System	ToDate
2383	System	ToDiscreteTimeModel
2384	System	ToeplitzMatrix
2385	System	ToExpression
2386	System	ToFileName
2387	System	Together
2388	System	Toggler
2389	System	TogglerBar
2390	System	ToLowerCase
2391	System	ToNumberField
2392	System	Tooltip
2393	System	TopHatTransform
2394	System	TopologicalSort
2395	System	ToRadicals
2396	System	ToRules
2397	System	ToString
2398	System	Total
2399	System	TotalVariationFilter
2400	System	ToUpperCase
2401	System	Tr
2402	System	Trace
2403	System	TraceDialog

2404	System	TraceLevel
2405	System	TracePrint
2406	System	TraceScan
2407	System	TradingChart
2408	System	TraditionalForm
2409	System	TransferFunctionCancel
2410	System	TransferFunctionExpand
2411	System	TransferFunctionFactor
2412	System	TransferFunctionModel
2413	System	TransferFunctionPoles
2414	System	TransferFunctionZeros
2415	System	TransformationFunction
2416	System	TransformationMatrix
2417	System	TransformedDistribution
2418	System	Translate
2419	System	TranslationTransform
2420	System	Transpose
2421	System	TreeForm
2422	System	TreeGraph
2423	System	TreeGraphQ
2424	System	TreePlot
2425	System	TriangleWave
2426	System	TriangularDistribution
2427	System	TrigExpand
2428	System	TrigFactor
2429	System	TrigFactorList
2430	System	Trigger
2431	System	TrigReduce
2432	System	TrigToExp
2433	System	TrimmedMean
2434	System	TrueQ
2435	System	TruncatedDistribution
2436	System	TTest
2437	System	Tube
2438	System	TukeyLambdaDistribution
2439	System	Tuples
2440	System	TuranGraph
2441	System	TuringMachine
2442	System	Uncompress
2443	System	UnderBar
2444	System	Underflow
2445	System	Underoverscript
2446	System	UnderoverscriptBox
2447	System	Underscript
2448	System	UnderscriptBox
2449	System	UndirectedEdge
2450	System	UndirectedGraph
2451	System	UndirectedGraphQ
2452	System	Unequal
2453	System	Unevaluated
2454	System	UniformDistribution
2455	System	UniformGraphDistribution
2456	System	UniformSumDistribution
2457	System	Uninstall
2458	System	Union

2459	System	UnionPlus
2460	System	Unique
2461	System	UnitBox
2462	System	Unitize
2463	System	UnitStep
2464	System	UnitTriangle
2465	System	UnitVector
2466	System	Unprotect
2467	System	UnsameQ
2468	System	Unset
2469	System	UnsetShared
2470	System	UpArrow
2471	System	UpArrowBar
2472	System	UpArrowDownArrow
2473	System	Update
2474	System	UpDownArrow
2475	System	UpEquilibrium
2476	System	UpperCaseQ
2477	System	UpperLeftArrow
2478	System	UpperRightArrow
2479	System	UpperTriangularize
2480	System	UpSet
2481	System	UpSetDelayed
2482	System	UpTee
2483	System	UpTeeArrow
2484	System	UpValues
2485	System	UsingFrontEnd
2486	System	V2Get
2487	System	ValueQ
2488	System	Variables
2489	System	Variance
2490	System	VarianceEquivalenceTest
2491	System	VarianceTest
2492	System	VectorAngle
2493	System	VectorDensityPlot
2494	System	VectorPlot
2495	System	VectorPlot3D
2496	System	VectorQ
2497	System	Vee
2498	System	Verbatim
2499	System	VertexAdd
2500	System	VertexComponent
2501	System	VertexCount
2502	System	VertexCoverQ
2503	System	VertexDegree
2504	System	VertexDelete
2505	System	VertexEccentricity
2506	System	VertexInComponent
2507	System	VertexInDegree
2508	System	VertexIndex
2509	System	VertexList
2510	System	VertexOutComponent
2511	System	VertexOutDegree
2512	System	VertexQ
2513	System	VertexReplace

2514	System	VerticalBar
2515	System	VerticalSeparator
2516	System	VerticalSlider
2517	System	VerticalTilde
2518	System	VonMisesDistribution
2519	System	WaitAll
2520	System	WaitNext
2521	System	WakebyDistribution
2522	System	WalleniusHypergeometricDistribution
2523	System	WaringYuleDistribution
2524	System	WatershedComponents
2525	System	WatsonUSquareTest
2526	System	WattsStrogatzGraphDistribution
2527	System	WaveletBestBasis
2528	System	WaveletFilterCoefficients
2529	System	WaveletImagePlot
2530	System	WaveletListPlot
2531	System	WaveletMapIndexed
2532	System	WaveletMatrixPlot
2533	System	WaveletPhi
2534	System	WaveletPsi
2535	System	WaveletScalogram
2536	System	WaveletThreshold
2537	System	WeatherData
2538	System	WeberE
2539	System	Wedge
2540	System	WeibullDistribution
2541	System	WeierstrassHalfPeriods
2542	System	WeierstrassInvariants
2543	System	WeierstrassP
2544	System	WeierstrassPPrime
2545	System	WeierstrassSigma
2546	System	WeierstrassZeta
2547	System	WeightedAdjacencyGraph
2548	System	WeightedAdjacencyMatrix
2549	System	WeightedGraphQ
2550	System	WheelGraph
2551	System	Which
2552	System	While
2553	System	WhittakerM
2554	System	WhittakerW
2555	System	WienerFilter
2556	System	WignerD
2557	System	WignerSemicircleDistribution
2558	System	With
2559	System	WolframAlpha
2560	System	WordData
2561	System	Write
2562	System	WriteString
2563	System	Wronskian
2564	System	XMLElement
2565	System	XMLObject
2566	System	Xnor
2567	System	Xor
2568	System	YuleDissimilarity

2569	System	ZernikeR
2570	System	Zeta
2571	System	ZetaZero
2572	System	ZipfDistribution
2573	System	ZTest
2574	System	ZTransform
2575	System	$DisplayFunction
2576	System	$FormatType
2577	System	$FrontEndSession
2578	System	$SoundDisplayFunction