MATLAB Function Reference

is*
Detect state

Description

These functions detect the state of MATLAB® entities:

isa	Detect object of given MATLAB class or Java™ class
isappdata	Determine if object has specific application-defined data
iscell	Determine if input is cell array
iscellstr	Determine if input is cell array of strings
ischar	Determine if input is character array
iscom	Determine if input is Component Object Model (COM) object
isdir	Determine if input is directory
isempty	Determine if input is empty array
isequal	Determine if arrays are numerically equal
isequalwithequalnans	Determine if arrays are numerically equal, treating NaNs as equal
isevent	Determine if input is object event
isfield	Determine if input is MATLAB structure array field
isfinite	Detect finite elements of array
isfloat	Determine if input is floating-point array
isglobal	Determine if input is global variable

[ishandle](#)	Detect valid graphics object handles
[ishold](#)	Determine if graphics hold state is on
[isinf](#)	Detect infinite elements of array
[isinteger](#)	Determine if input is integer array
[isinterface](#)	Determine if input is Component Object Model (COM) interface
[isjava](#)	Determine if input is Java object
[iskeyword](#)	Determine if input is MATLAB keyword
[isletter](#)	Detect elements that are alphabetic letters
[islogical](#)	Determine if input is logical array
[ismac](#)	Determine if running MATLAB for Macintosh$^{\circledR}$ OS X platform
[ismember](#)	Detect members of specific set
[ismethod](#)	Determine if input is object method
[isnan](#)	Detect elements of array that are not a number (NaN)
[isnumeric](#)	Determine if input is numeric array
[isobject](#)	Determine if input is MATLAB object
[ispc](#)	Determine if running MATLAB for PC (Windows$^{\circledR}$) platform
[isprime](#)	Detect prime elements of array
[isprop](#)	Determine if input is object property
[isreal](#)	Determine if all array elements are real numbers

isscalar	Determine if input is scalar
issorted	Determine if set elements are in sorted order
isspace	Detect space characters in array
issparse	Determine if input is sparse array
isstrprop	Determine if string is of specified category
isstruct	Determine if input is MATLAB structure array
isstudent	Determine if Student Version of MATLAB
isunix	Determine if running MATLAB for UNIX$^{®}$[a] platform.
isvarname	Determine if input is valid variable name
isvector	Determine if input is vector
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See Also

isa

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