

## cabs

### cabs

#### **cabs (z)**

The cabs function returns the real-valued absolute value of complex number z.

#### **See Also**

The **magsqr** function.

## CameraWindow

### **CameraWindow**

CameraWindow is a procedure subtype keyword that identifies a macro as being a camera window recreation macro. It is automatically used when Igor creates a window recreation macro for a camera window. See **Procedure Subtypes** on page IV-204 and **Saving and Recreating Graphs** on page II-350 for details.

## CaptureHistory

### **CaptureHistory (refnum, stopCapturing)**

The CaptureHistory function returns a string containing text from the history area of the command window since a matching call to the **CaptureHistoryStart** function.

#### **Parameters**

*refnum* is a number returned from a call to CaptureHistoryStart. It identifies the starting point in the history for the returned string.

Set *stopCapturing* to nonzero to indicate that no more history should be captured for the given *refnum*. Subsequent calls to CaptureHistory with the same *refnum* will result in an error.

Set *stopCapturing* to zero to retrieve history text captured so far. Further calls to CaptureHistory with the same reference number will return this text, plus any additional history text added subsequently.

#### **Details**

You can have multiple captures active at one time. Each call to CaptureHistoryStart will return a unique reference number identifying a start point in the history. The capture corresponding to each reference number can be terminated at any time, regardless of the order of the CaptureHistoryStart calls.

## CaptureHistoryStart

### **CaptureHistoryStart ()**

The CaptureHistoryStart function returns a reference number to identify a starting point in the history area text. Subsequently, the CaptureHistory function can be used to retrieve captured history text. See **CaptureHistory** for details.

## catch

### **catch**

The catch flow control keyword marks the beginning of code in a try-catch-endtry flow control construct for handling any abort conditions.

#### **See Also**

The **try-catch-endtry** flow control statement for details.

## cd

### **cd dataFolderSpec**

The cd operation sets the current data folder to the specified data folder. It is identical to the longer-named SetDataFolder operation.

cd is named after the UNIX "change directory" command.

#### **See Also**

**SetDataFolder, pwd, Dir, Data Folders** on page II-107