

## Chapter IV-10 — Advanced Topics

### Parameters

*param* is one of the following values:

Size Event	<i>param</i>
Normal resize	0
Minimized	1
Maximized	2
Moved	3

### Details

This function is not called on Macintosh.

Resizing the MDI frame by the top left corner calls `AfterMDIFrameSizedHook` twice: first for the move (*param* = 3) and then for the normal resize (*param* = 0).

Igor currently ignores the value returned by `AfterMDIFrameSizedHook`. Return 0 in case Igor uses this value in the future.

### See Also

`SetWindow`, `GetWindow`, `SetIgorHook`, and `User-Defined Hook Functions` on page IV-280.

## AfterWindowCreatedHook

**`AfterWindowCreatedHook(windowNameStr, winType)`**

`AfterWindowCreatedHook` is a user-defined function that Igor calls when a target window is first created.

`AfterWindowCreatedHook` can be used to set a window hook on target windows created by the user or by other procedures.

### Parameters

*windowNameStr* contains the name of the created window.

*winType* is the type of the window, the same value as returned by **`WinType`**.

### Details

“Target windows” are graphs, tables, layout, panels, and notebook windows.

`AfterWindowCreatedHook` is not called when an Igor experiment is being opened.

Igor ignores the value returned by `AfterWindowCreatedHook`.

### See Also

`SetWindow`, `SetIgorHook`, and `User-Defined Hook Functions` on page IV-280.

## BeforeExperimentSaveHook

**`BeforeExperimentSaveHook(refNum, fileNameStr, pathNameStr, fileTypeStr, fileCreatorStr, fileKind)`**

`BeforeExperimentSaveHook` is a user-defined function that Igor calls when an experiment is about to be saved by Igor.

Igor ignores the value returned by `BeforeExperimentSaveHook`.

### Parameters

*refNum* identifies what is causing the experiment to be saved:

Cause	<i>refNum</i>
Save Experiment (File menu or <code>SaveExperiment</code> )	1
Save Experiment As (File menu or <code>SaveExperiment</code> )	2
Save Experiment Copy (File menu or <code>SaveExperiment/C</code> )	3
Autosave Experiment (direct mode)	17 (0x10 + 1)
Autosave Experiment Copy (indirect mode)	19 (0x10 + 3)