Before Igor Pro 9.00, *refNum* was always -1.

fileNameStr contains the name of the file.

pathNameStr contains the name of the symbolic path. *pathNameStr* is not the value of the path. Use the **PathInfo** operation to determine the path's value.

fileTypeStr contains the Macintosh file type, if applicable. File type codes are obsolete. Use the file name extension to determine if you want to handle the file. You can use **ParseFilePath** to obtain the extension from *fileNameStr*

fileCreatorStr contains the Macintosh creator code, if applicable. Creator codes are obsolete so ignore this parameter.

Variable *fileKind* is a number that identifies what kind of file Igor will be saving:

Kind of File	*fileKind*
Igor Experiment, packed*	1
Igor Experiment, unpacked*	2

* Including stationery experiment files.

Details

You can determine the full directory and file path of the experiment by calling the **PathInfo** operation with $*pathNameStr*.

Example

This example prints the full file path of the about-to-be-saved experiment to the history area, and deletes all unused symbolic paths.

```
#pragma rtGlobals=1        // treat S_path as local string variable

Function BeforeExperimentSaveHook(rN,fileName,path,type,creator,kind)
   Variable rN,kind
   String fileName,path,type,creator

   PathInfo $path             // puts path value into (local) S_path
   Printf "Saved \"%s\" experiment\r",S_path+fileName

   KillPath/A/Z               // Delete all unneeded symbolic paths
End
```

See Also

The **SetIgorHook** operation.

BeforeFileOpenHook

BeforeFileOpenHook(*refNum*, *fileNameStr*, *pathNameStr*, *fileTypeStr*, *fileCreatorStr*, *fileKind*)

BeforeFileOpenHook is a user-defined function that Igor calls when a file *is* about to be opened because the user dragged it onto the Igor icon or into Igor or double-clicked it.

BeforeFileOpenHook is not called when a file is opened via a menu.

Windows system files with .bin, .com, .dll, .exe, and .sys extensions aren't passed to the hook functions.

The value returned by BeforeFileOpenHook informs Igor whether the hook function handled the open event and therefore Igor should not perform its default action. In some cases, this return value is ignored, and Igor performs the default action anyway.

Parameters

refNum is the file reference number. You use this number with file I/O operations to read from the file. Igor closes the file when the user-defined function returns, and *refNum* becomes invalid. The file is opened for read-only; if you want to write to it, you must close and reopen it with write access. *refNum* will be -1 for experiment files and XOPs. In this case, Igor has not opened the file for you.

fileNameStr contains the name of the file.

pathNameStr contains the name of the symbolic path. *pathNameStr* is not the value of the path. Use the **PathInfo** operation to determine the path's value.

fileTypeStr contains the Macintosh file type, if applicable. File type codes are obsolete. Use the file name extension to determine if you want to handle the file. You can use **ParseFilePath** to obtain the extension from *fileNameStr*

fileCreatorStr contains the Macintosh creator code, if applicable. Creator codes are obsolete so ignore this parameter.

fileKind is a number that identifies what kind of file Igor thinks it is. Values for *fileKind* are listed in the next section.

BeforeFileOpenHook *fileKind* Parameter

This table describes the BeforeFileOpenHook function *fileKind* parameter.

Kind of File	*fileKind*	Default Action, if Any
Unknown	0	
Igor Experiment, packed *	1	(Hook not called)
Igor Experiment, unpacked*	2	(Hook not called)
Igor XOP	3	
Igor Binary Wave File	4	Data loaded
Igor Text (data and commands)	5	Data loaded, commands executed
Text, no numbers detected in first two lines	6	Opened as unformatted notebook
General Numeric text (no tabs)	7	Data loaded as general text
Numeric text Tab-Separated-Values	8	Data loaded as delimited text
Numeric text Tab-Separated-Values, MIME	9	Display loaded data in a new table and a new graph.
Text, with tabs	10	Opened as unformatted notebook
Igor Notebook (unformatted or formatted)	11	Opened as notebook
Igor Procedure	12	*Always* opened as procedure file
Igor Help	13	*Always* opened as help file

* Including stationery experiment files.

Details

BeforeFileOpenHook must return 1 if Igor is not to take action on the file (it won't be opened), or 0 if Igor is permitted to take action on the file. Igor ignores the return value for *fileKind* values of 3, 12, and 13. The hook function is not called for Igor experiments (*fileKind* values of 1 and 2).

Igor always closes the file when the user-defined function returns, and *refNum* becomes invalid (don't store the value of *refNum* in a global for use by other routines, since the file it refers to has been closed).

Example

This example checks the first line of the file about to be opened to determine whether it has a special, presumably user-specific, format. If it does, then LoadMyFile (another user-defined function) is called to load it. LoadMyFile presumably loads this custom data file, and returns 1 if it succeeded. If it returns 0 then Igor will open it using the Default Action from the above table.

```
Function BeforeFileOpenHook(refNum,fileName,path,type,creator,kind)
   Variable refNum,kind
   String fileName,path,type,creator

   Variable handledOpen=0
   if( CmpStr(type,"TEXT")==0 )              // text files only
      String line1
      FReadLine refNum, line1 // First line (and carriage return)
      if( CmpStr(line1[0,4],"XYZZY") == 0 )  // My special file
```