Flags

/L/R/B/T	Specifies whether to attach the free axis to the Left, Right, Bottom, or Top plot edge, respectively. The Left edge is used by default.
/O	Replaces *axisName* if it already exists, which means any existing axis is marked as truly free.
/W=*winName*	Draws in the named graph window. *winName* may also be the name of a subwindow. *winName* must not conflict with other axis names except when using the /O flag. If /W is omitted, it creates a new axis in the active graph window or subwindow.

Details

A truly free axis does not use any scaling or units information from any associated waves (which need not exist.) You can set the properties of a free axis using **SetAxis** or **ModifyFreeAxis**.

Example

Copy this function to your Procedure window and compile:

```
Function axhook(s)
    STRUCT WMAxisHookStruct &s

    Variable t= s.max
    s.max= s.min
    s.min= t
    return 0
End
```

Now execute this code on the Command line:

```
Make jack=x
Display jack
NewFreeAxis fred
ModifyFreeAxis fred, master=left, hook=axhook
```

See Also

The **SetAxis**, **KillFreeAxis**, and **ModifyFreeAxis** operations.

NewFreeDataFolder

`NewFreeDataFolder()`

The NewFreeDataFolder function creates a free data folder and then returns its data folder reference.

Recommended for advanced programmers only.

Details

Free data folders are those that are not a part of the normal data folder hierarchy and can not be located by name.

See Also

Chapter II-8, **Data Folders**, **Free Data Folders** on page IV-96 and **Data Folder References** on page IV-78.

NewFreeWave

`NewFreeWave(type, numPoints [,nameStr])`

The NewFreeWave function creates a free 1D wave of the given type and number of points and then returns its wave reference.

Recommended for advanced programmers only.

Details

By default, NewFreeWave creates a free wave named '_free_'. You can specify another name via the optional *nameStr* input. The ability to specify the name of a free wave was added in Igor Pro 9.00 as a debugging aid - see **Free Wave Names** on page IV-95 and **Wave Tracking** on page IV-207 for details.

You can also create free waves using **Make**/FREE and **Duplicate**/FREE. These are preferable for creating multidimensional free waves and also fine for general use.