Flags

/Z No error reporting.

Details

The target window must be a graph or panel.

SetVariable Action Procedure

The action procedure for a SetVariable control takes a predefined WMSetVariableAction structure as a parameter to the function:

```
Function ActionProcName(SV_Struct) : SetVariableControl
   STRUCT WMSetVariableAction &SV_Struct
   …
   return 0
End
```

The "`: SetVariableControl`" designation tells Igor to include this procedure in the Procedure pop-up menu in the SetVariable Control dialog.

See **WMSetVariableAction** for details on the WMSetVariableAction structure.

Although the return value is not currently used, action procedures should always return zero.

You may see an old format SetVariable action procedure in old code:

```
Function procName(ctrlName,varNum,varStr,varName) : SetVariableControl
   String ctrlName
   Variable varNum     // value of variable as number
   String varStr       // value of variable as string
   String varName      // name of variable
   …
   return 0
End
```

This old format should not be used in new code.

Examples

Executing the commands:

```
Variable/G globalVar=99
SetVariable setvar0 size={120,20}
SetVariable setvar0 font="Helvetica", value=globalVar
```

creates a SetVariable control that displays the value of globalVar.

See Also

The **printf** operation for an explanation of *formatStr*, and **SetVariable** on page III-417.

Chapter III-14, **Controls and Control Panels**, for details about control panels and controls.

Control Panel Units on page III-444 for a discussion of the units used for controls.

The **GetUserData** function for retrieving named user data.

The **ControlInfo** operation for information about the control.

SetVariableControl

`SetVariableControl`

SetVariableControl is a procedure subtype keyword that identifies a macro or function as being an action procedure for a user-defined SetVariable control. See **Procedure Subtypes** on page IV-204 for details. See **SetVariable** for details on creating a SetVariable control.

SetWaveLock

`SetWaveLock` *`lockVal, waveList`*

The SetWaveLock operation locks a wave or waves and protects them from modification. Such protection is not absolute, but it should prevent most common attempts to change or kill a wave.

Parameters

lockVal can be 0, to unlock, or 1, to lock the wave(s).