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

See **Handling Slider Events** on page III-430 for a demonstration of slider event handling.

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

This old format for a slider action procedure should not be used in new code:

```
Function MySliderProc(name, value, event) : SliderControl
    String name              // name of this slider control
    Variable value           // value of slider
    Variable event           // bit field:bit 0:value set; 1:mouse down,
                             //  2:mouse up, 3:mouse moved

    return 0                 // other return values reserved
End
```

Repeating Sliders

A repeating slider calls your action procedure periodically while the user is clicking the thumb. See **Repeating Sliders** on page III-418 for an overview.

When the repeat style is set to 2, the call rate is proportional to the slider value. See the Slider reference documentation in the online help for the formula.

Whereas the rate can be set as high as 1000 calls per second, if your action procedure takes more time to execute than the period of the slider repeat, you will simply lose repeats. It is unlikely that a rate of more than about 50 calls per second can realistically be achieved.

Examples

```
Function SliderExample()
    NewPanel /W=(150,50,501,285)
    Variable/G var1
    Execute "ModifyPanel cbRGB=(56797,56797,56797)"
    SetVariable setvar0,pos={141,18},size={122,17},limits={-Inf,Inf,1},value=var1
    Slider foo,pos={26,31},size={62,143},limits={-5,10,1},variable=var1
    Slider foo2,pos={173,161},size={150,53}
    Slider foo2,limits={-5,10,1},variable=var1,vert=0,thumbColor=(0,1000,0)
    Slider foo3,pos={80,31},size={62,143}
    Slider foo3,limits={-5,10,1},variable=var1,side=2,thumbColor=(1000,1000,0)
    Slider foo4,pos={173,59},size={150,13}
    Slider foo4,limits={-5,10,1},variable=var1,side=0,vert=0
    Slider foo4,thumbColor=(1000,1000,1000)
    Slider foo5,pos={173,90},size={150,53}
    Slider foo5,limits={-5,10,1},variable= var1,side=2,vert=0
    Slider foo5,ticks=5,thumbColor=(500,1000,1000)
End
```

See Also

Chapter III-14, **Controls and Control Panels**, **Handling Slider Events** on page III-430

ControlInfo, **GetUserData**

Demos

Choose File→Example Experiments→Feature Demos 2→Slider Labels.

Choose File→Example Experiments→Feature Demos 2→Slider Repeat Demo.

SliderControl

SliderControl

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

Slow

Slow *ticks*

The Slow operation is obsolete. Prior to Igor Pro 7 it slowed down execution of macros for debugging purposes. It now does nothing.