

```

s.tooltip = GetWavesDataFolder(w, 2) // Replace Igor's tooltip
if (WaveDims(w) > 0)
    s.tooltip += "[" + num2str(s.row) + "]"
    if (WaveDims(w) > 1)
        s.tooltip += "[" + num2str(s.column) + "]"
    endif
endif
endif

return hookResult
End

```

Use the SetWindow operation to establish the tooltip hook function for a given window, like this:

```
SetWindow Graph0, tooltipHook(MyTooltipHook) = MyGraphTraceTooltipHook
```

You can clear the tooltip function like this:

```
SetWindow Graph0, tooltipHook(MyTooltipHook) = $""
```

Because the hook function runs during an operation that cannot be interrupted without crashing Igor, the debugger cannot be invoked while it is running. Consequently breakpoints set in the function are ignored. Use **Debugging With Print Statements** on page IV-212 instead.

Tooltip Tracking Rectangle

When your function is called, the WMToltipHookStruct trackRect field is set to a tracking rectangle in local window coordinates. When the tooltip is displayed, the tooltip system tracks the mouse. If the mouse leaves the tracking rectangle, the tooltip is hidden. If the the mouse enters another area appropriate for display of a tooltip, the hook function is called again.

In a graph, the tracking rectangle is a 20x20 point rectangle around the mouse location. In a table, the tracking rectangle corresponds to the bounds of the table cell under the mouse. If the mouse hovers over a control, the tracking rectangle is the bounding box of the control.

The trackRect field is both an input and an output. You can modify it to change when the tooltip disappears, but this is rarely necessary. You might want to do it if, for instance, you want to define help text for different parts of a control.

HTML Tags in Tooltips

You can control formatting of the tooltip by including certain HTML tags in the text. The subset of tags supported is described here: <http://doc.qt.io/qt-5/richtext-html-subset.html>

To use HTML tags, start your text with "<html>", end it with "</html>", and set the structure field isHTML to 1.

For example, this code:

```
s.tooltip = "<html><font size=\"+2\">Large</font> and <b>bold</b> text</html>"
s.isHTML=1
```

results in this tooltip: This tooltip has large and bold text

The Tooltip Row, Column, Layer and Chunk Fields

These fields specify the wave element of the wave associated with the graph trace, graph image, or table cell under the mouse. A value of -1 indicates that the dimension is not used.

Tooltip Display Duration

By default, Igor displays a tooltip for 10 seconds or longer for long messages. After that time, the tooltip disappears.