

AxisLabel

```
// Get a numeric value from the RECREATION keyword nested keyword values
String info = AxisInfo("", "left")
String key = ";RECREATION:"
Variable index = strsearch(info, key, 0)
String recreation = info[index+strlen(key), inf]
Print recreation // Prints catGap(x)=0.1;barGap(x)=0.1;...
Print NumberByKey("barGap(x)", recreation, "=") // Prints 0.1
```

See Also

[GetAxis](#), [SetAxis](#), [AxisLabel](#), [StringByKey](#), [NumberByKey](#)

The "Readback ModifyStr" procedure file is useful for parsing strings returned by AxisInfo.

AxisLabel

AxisLabel(*graphNameStr*, *axisNameStr* [, *escapeBackslashes*])

The AxisLabel function returns a string containing the axis label for the named axis in the named graph window or subwindow. The string returned is suitable for use with the Label operation. The AxisLabel function is primarily intended for copying the label from one axis to another.

The AxisLabel function was added in Igor Pro 9.00.

Parameters

graphNameStr can be "" to refer to the top graph window.

When identifying a subwindow via *graphNameStr*, see [Subwindow Syntax](#) on page III-92 for details on forming the window hierarchy.

axisNameStr is the name of the axis.

escapeBackslashes is an optional parameter which defaults to 0 (false).

Details

Specify *escapeBackslashes*=1 when using the result to create a command passed to the **Execute** operation. Otherwise omit *escapeBackslashes* or specify *escapeBackslashes*=0.

The "Axis Utilities.ipf" WaveMetrics procedure contains an AxisLabelText function that is very similar to AxisLabel. If you use AxisLabelText, you can replace it with AxisLabel for use with Igor Pro 9 or later.

Examples

```
// Label Graph0 left axis with something that has a backslash in it
Make/O data=x
Display/N=Graph0 data
Label/W=Graph0 left, "Area \\E (UV*Sec)"

// Reuse the left axis label from Graph0 for Graph1
Display/N=Graph1 data
String lblStr = AxisLabel("Graph0", "left")
Label/W=Graph1 left, lblStr
```

See Also

[AxisInfo](#), [Label](#), [Backslashes in Annotation Escape Sequences](#) on page III-58

AxisList

AxisList(*graphNameStr*)

The AxisList function returns a semicolon-separated list of axis names from the named graph window or subwindow.

Parameters

graphNameStr can be "" to refer to the top graph window.

When identifying a subwindow with *graphNameStr*, see [Subwindow Syntax](#) on page III-92 for details on forming the window hierarchy.

Examples

```
Make/O data=x;Display/L/T data
Print AxisList("") // prints left;top;
```