

TraceNameList

```
String yRange= StringByKey("YRANGE", TraceInfo("", "", 0))
Print yRange // prints "[30,40:2]"
yRange= ReplaceString(":", yRange, ";")
Print yRange // prints "[30,40;2]"
```

The next example shows the trace information for the second instance of the wave "data" (which has an instance number of 1) displayed in the top graph:

```
Make/O data=x;Display/L/T data,data // two instances of data: 0 and 1
Print TraceInfo("", "data", 1) [0,64]
Print TraceInfo("", "data", 1) [65,128]
```

Prints the following in the history area:

```
XWAVE:;YAXIS:left;XAXIS:top;AXISFLAGS:/T;AXISZ:NaN;XWAVEDF:;YRANG
E:[*];XRANGE:;TYPE:0;ERRORBARS:;RECREATION:zColor(x)=0;zColorMax
```

Following is a function that returns the marker code from the given instance of a named wave in the top graph. This example uses the convenient GetNumFromModifyStr() function provided by the #include <Readback ModifyStr> procedures, which are useful for parsing strings returned by TraceInfo.

```
#include <Readback ModifyStr>
Function MarkerOfWave (wv,instance)
    Wave wv
    Variable instance
    Variable marker
    String info = TraceInfo("", NameOfWave(wv), instance)
    marker = GetNumFromModifyStr(info,"marker","",0)
    return marker
End
```

See Also

[Trace Names](#) on page II-282, [Programming With Trace Names](#) on page IV-87.

The **Execute** operation.

TraceNameList

TraceNameList (graphNameStr, separatorStr, optionsFlag)

The TraceNameList function returns a string containing a list of trace names in the graph window or subwindow identified by *graphNameStr*.

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.

The parameter *separatorStr* should contain a single ASCII character such as "," or ";" to separate the names.

Details

The bits of *optionsFlag* have the following meanings:

Bit Number	Bit Value	Meaning
0	1	Include normal graph traces
1	2	Include contour traces
2	4	Omit hidden traces (the default is to list even hidden traces)
3	8	Include box plot traces
4	16	Include violin plot traces

See [Setting Bit Parameters](#) on page IV-12 for details about bit settings.

A trace name is defined as the name of the Y wave that defines the trace with an optional #ddd suffix that distinguishes between two or more traces that have the same wave name. It may also be a user-defined trace name. Since the trace name has to be parsed, it is quoted if necessary.