

CsrInfo

CsrInfo

CsrInfo (cursorName [, graphNameStr])

The CsrInfo function returns a keyword-value pair list of information about the specified cursor (*cursorName* is A through J) in the top graph or graph specified by *graphNameStr*. It returns "" if the cursor is not in the graph.

Details

The returned string contains information about the cursor in the following format:

```
TNAME:traceName; ISFREE:freeNum; POINT:xPointNumber; [YPOINT:yPointNumber; ]  
RECREATION:command;
```

The *traceName* value is the name of the graph trace or image to which it is attached or which supplies the x (and y) values even if the cursor isn't attached to it.

If TNAME is empty, fields POINT, ISFREE, and YPOINT are not present.

The *freeNum* value is 1 if the cursor is not attached to anything, 0 if attached to a trace or image.

The POINT value is the same value **pcsr** returns.

The YPOINT keyword and value are present only when the cursor is attached to a two-dimensional item such as an image, contour, or waterfall plot or when the cursor is free. Its value is the same as returned by **qcsr**.

If cursor is free, POINT and YPOINT values are fractional relative positions (see description in the **Cursor** command).

The RECREATION keyword contains the Cursor commands (including /W) necessary to regenerate the current settings.

Examples

```
Variable aExists= strlen(CsrInfo(A)) > 0 // A is a name, not a string  
Variable bIsFree= NumberByKey("ISFREE",CsrInfo(B,"Graph0"))
```

See Also

Programming With Cursors on page II-321.

Cursors – Moving Cursor Calls Function on page IV-339.

Trace Names on page II-282, **Programming With Trace Names** on page IV-87.

CsrWave

CsrWave (cursorName [, graphNameStr [, wantTraceName]])

The CsrWave function returns a string containing the name of the wave the specified cursor (A through J) is on in the top (or named) graph. If the optional *wantTraceName* is nonzero, the trace name is returned. A trace name is the wave name with optional instance notation (see **ModifyGraph (traces)**).

Details

The name of a wave by itself is not sufficient to identify the wave because it does not specify what data folder contains the wave. Thus, if you are calling CsrWave for the purpose of passing the wave name to other procedures, you should use the **CsrWaveRef** function instead. Use CsrWave if you want the name of the wave to use in an annotation or a notebook.

Examples

```
String waveCursorAIsOn = CsrWave (A) // not CsrWave ("A")  
String waveCursorBIsOn = CsrWave (B, "Graph0") // in specified graph  
String traceCursorBIsOn = CsrWave (B, "",1) // trace name in top graph
```

See Also

Programming With Cursors on page II-321.

Trace Names on page II-282, **Programming With Trace Names** on page IV-87.