Keyword	Information Following Keyword
XAXIS	X axis name.
XWAVE	X wave name if any, else blank.
XWAVEDF	Full path to the data folder containing the X wave or blank if there is no X wave.
YAXIS	Y axis name.
YWAVE	Y wave name if any, else blank.
YWAVEDF	Full path to the data folder containing the Y wave or blank if there is no Y wave.
ZWAVE	Name of wave containing Z data from which the contour plot was calculated.
ZWAVEDF	Full path to the data folder containing the Z data wave.

The format of the RECREATION information is designed so that you can extract a keyword command from the keyword and colon up to the ";", prepend "ModifyContour", replace the "x" with the name of a contour plot ("data#1" for instance) and then **Execute** the resultant string as a command.

Examples

The following command lines create a very unlikely contour display. If you did this, you would most likely want to put each contour plot on different axes, and arrange the axes such that they don't overlap. That would greatly complicate the example.

```
Make/O/N=(20,20) jack
Display;AppendMatrixContour jack
AppendMatrixContour/T/R jack        // Second instance of jack
```

This example accesses the contour information for the second contour plot of the wave "jack" (which has an instance number of 1) displayed in the top graph:

```
Print StringByKey("ZWAVE", ContourInfo("","jack",1))     // prints jack
```

See Also

The **Execute** and **ModifyContour** operations.

ContourNameList

ContourNameList(*graphNameStr*, *separatorStr*)

The ContourNameList function returns a string containing a list of contours 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.

A contour name is defined as the name of the wave containing the data from which a contour plot is calculated, with an optional #n suffix that distinguishes between two or more contour plots in the same graph window that have the same wave name. Since the contour name has to be parsed, it is quoted if necessary.

Examples

The following command lines create a very unlikely contour display. If you did this, you would most likely want to put each contour plot on different axes, and arrange the axes such that they don't overlap. That would greatly complicate the example.

```
Make/O/N=(20,20) jack,'jack # 2';
Display;AppendMatrixContour jack
AppendMatrixContour/T/R jack
AppendMatrixContour 'jack # 2'
AppendMatrixContour/T/R 'jack # 2'
Print ContourNameList("",";")
```

prints `jack;jack#1;'jack # 2';'jack # 2'#1;`