

... LABEL AUTOMATIC**PURPOSE**

Generates automatic labels for either the first horizontal axis or the left vertical axis or both.

DESCRIPTION

The vertical axis contains the first argument of the PLOT command while the horizontal axis contains the second argument of the PLOT command. That is, PLOT TEMP TIME uses TEMP as the left vertical axis label and TIME for the first horizontal axis label. The entire command is placed in the third horizontal axis label. Specifying AUTOMATIC for the right vertical axis or the second horizontal axis results in the word AUTOMATIC being printed for the label.

SYNTAX 1

XLABEL AUTOMATIC
XILABEL AUTOMATIC

This syntax is used to place the second argument of the PLOT command in the first horizontal axis label.

SYNTAX 2

YLABEL AUTOMATIC

This syntax is used to place the first argument of the PLOT command in the left vertical axis label.

SYNTAX 3

X3LABEL AUTOMATIC

This syntax is used to place the entire PLOT command in the third horizontal axis label.

SYNTAX 4

LABEL AUTOMATIC

This syntax is used to place the entire PLOT command in the third horizontal axis label, the second argument to the PLOT command in the first horizontal axis label, and the first argument for the PLOT command in the left vertical axis.

EXAMPLES

YLABEL AUTOMATIC
XILABEL AUTOMATIC
XLABEL AUTOMATIC

DEFAULT

All labels are blank.

SYNONYMS

None

RELATED COMMANDS

TITLE AUTOMATIC	=	Sets an automatic title.
PLOT	=	Generates a data or function plot.
LABEL	=	Specifies the labels for the plot axes.
LABEL CASE	=	Sets the case (upper/lower/asis) for the axes labels.
LABEL COLOR	=	Sets the color for the plot labels.
LABEL DISPLACEMENT	=	Sets the distance from the frame to the plot labels.
LABEL FONT	=	Sets the plot label fonts.
LABEL SIZE	=	Sets the size (height) for the plot labels.
LABEL THICKNESS	=	Sets the line thickness for the plot labels.
TEXT	=	Writes a text string.
TITLE	=	Sets the plot title.
LEGEND	=	Sets the plot legends.

APPLICATIONS

Automatic plot labeling

IMPLEMENTATION DATE

92/8 (updated 93/8)

PROGRAM

```
LET LEAD = DATA ...  
    164 426 59 98 312 263 607 497 213 54 160 262 547 325 419 94 70  
LET POT = DATA ...  
    106 175 61 79 94 121 424 328 107 218 140 179 246 231 245 339 99
```

```
.  
TITLE DEMONSTRATE AUTOMATIC LABELS  
TITLE SIZE 5  
LABEL AUTOMATIC  
CHARACTER CIRCLE  
CHARACTER SIZE 1.5  
LINE BLANK ALL  
PLOT POT LEAD
```

