

... TIC MARK LABEL DISPLACEMENT**PURPOSE**

Specifies the distance from the tic labels to the frame in DATAPLOT 0 to 100 units on subsequent plots.

SYNTAX

<prefix>TIC MARK LABEL DISPLACEMENT <displacement>

where <prefix> is one of the following:

X1	refers to the bottom horizontal side;
X2	refers to the top horizontal side;
X	refers to both horizontal sides;
Y1	refers to the left vertical side;
Y2	refers to the right vertical side;
Y	refers to both vertical sides;
no prefix	refers to all 4 sides;

and <displacement> is a number or parameter in the range -100 to 100 that specifies the desired distance from the frame to the tic label.

EXAMPLES

```
TIC MARK LABEL DISPLACEMENT 1
X2TIC MARK LABEL DISPLACEMENT 2.5
Y2TIC MARK LABEL DISPLACEMENT 3.5
```

NOTE 1

Negative values are allowed. However, since these place the tic mark label inside the frame, they are almost never used.

NOTE 2

A ...TIC MARK LABEL DISPLACEMENT command with no arguments reverts the setting to default; thus X1TIC MARK LABEL DISPLACEMENT with no arguments reverts the bottom horizontal tic label displacement to 2.5. A ...TIC MARK LABEL DISPLACEMENT command with no prefix refers to all 4 sides; thus TIC MARK LABEL DISPLACEMENT 2 sets the tic mark label displacement to 2 for all 4 frame lines. TIC MARK LABEL DISPLACEMENT with no prefix and no arguments reverts the tic label displacement settings on all 4 sides to default.

DEFAULT

The displacement is 2.5 for the horizontal axis and 3.0 for the vertical axis.

SYNONYMS

TIC LABEL DISPLACEMENT, TICS LABEL DISPLACEMENT, and TICS MARK DISPLACEMENT are synonyms for TIC MARK LABEL DISPLACEMENT, as in TIC LABEL DISPLACEMENT 2 and X2TIC LABEL DISPLACEMENT 2.

RELATED COMMANDS

TIC MARK LABEL	=	Specifies whether or not tic mark labels are drawn.
TIC MARK LABEL ANGLE	=	Sets the angle for tic labels.
TIC MARK LABEL CASE	=	Sets case for tic labels.
TIC MARK LABEL COLOR	=	Sets the color for tic labels.
TIC MARK LABEL CONTENTS	=	Specify alphanumeric values for tic labels.
TIC MARK LABEL DECIMALS	=	Sets the number of decimals for tic labels.
TIC MARK LABEL DIRECTION	=	Sets the direction (horizontal/ vertical) for TIC MARK labels.
TIC MARK LABEL FONT	=	Sets the font for tic labels.
TIC MARK LABEL FORMAT	=	Sets the format (alphanumeric, power of 10, exponential) for tic labels.
TIC MARK LABEL HW	=	Sets the height and width for tic labels.
TIC MARK LABEL JUSTIFICATION	=	Sets the justification for tic labels.
TIC MARK LABEL SIZE	=	Sets the height for tic labels.
TIC MARK LABEL THICKNESS	=	Sets the line width for tic labels.

APPLICATIONS

Presentation Graphics

IMPLEMENTATION DATE

92/4

PROGRAM

```
LEGEND 1 PRESENTATION GRAPHICS
LEGEND 2 3-D BAR HISTOGRAM
LET Y = DATA 392 341 307 203 115 59 38 32 29 28
LET N = NUMBER Y
LET X = SEQUENCE 1 1 N
.
LINES BLANK ALL
BAR ON ALL
BAR WIDTH .5 ALL
BAR DIMENSION 3 ALL
BAR FILL ONTS ALL
.
XLIMITS 1 10
XTIC OFFSET 1 1
MAJOR XTIC MARK NUMBER 10
MINOR XTIC MARK NUMBER 0
X1TIC MARK LABEL FORMAT ALPHA
X1TIC MARK LABEL CONTENT Apollo Sun HP DEC SYM SGI IBM DG TI Xerox
X1TIC MARK LABEL CASE ASIS
X1TIC MARK LABEL DISPLACEMENT 7
YLIMITS 0 500
Y1TIC MARK LABEL DISPLACEMENT 5
.
TITLE DEMONSTRATE TIC LABEL DISPLACEMENT
TITLE SIZE 5
PLOT Y X X
```

