

... TIC MARK LABEL THICKNESS

PURPOSE

Specifies the thickness (i.e., line width) of the tic mark labels on subsequent plots.

DESCRIPTION

This command only applies if the tic labels are drawn with a software font (e.g., SIMPLEX). It is ignored for hardware generated characters. The line thickness is specified in vertical DATAPLOT 0 to 100 units. Line thicknesses are typically between 0.05 and 0.3.

SYNTAX

<prefix>TIC MARK LABEL THICKNESS <thick>

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 <thick> is a number or parameter in the range 0 to 100 that specifies the desired thickness.

EXAMPLES

```
TIC MARK LABEL THICKNESS 0.2
TIC MARK LABEL THICKNESS
Y2TIC MARK LABEL THICKNESS 0.2
```

NOTE 1

A ...TIC MARK LABEL THICKNESS command with no arguments reverts the setting to default; thus X1TIC MARK LABEL THICKNESS with no arguments reverts the bottom horizontal tic label thickness to 0.1. A ...TIC MARK LABEL THICKNESS command with no prefix refers to all 4 sides; thus TIC MARK LABEL THICKNESS 0.2 sets tic mark label thickness to 0.2 for all 4 frame lines. TIC MARK LABEL THICKNESS with no prefix and no arguments reverts the tic label thickness settings on all 4 sides to default.

NOTE 2

It is rare to assign different thicknesses to tic mark labels on the 4 different sides. Whatever thickness is chosen for tic labels on one side is invariably chosen for all sides. The most common form (by far) for this command is the general one (with no prefix, as in TIC MARK LABEL THICKNESS 0.2) which defines the thickness uniformly for tic mark labels on all 4 frame lines.

DEFAULT

All tic mark label thicknesses are 0.1.

SYNONYMS

TIC LABEL THICKNESS, TICS LABEL THICKNESS, and TICS MARK LABEL THICKNESS are synonyms for TIC MARK LABEL THICKNESS, as in TIC LABEL THICKNESS 0.2 and X2TIC LABEL THICKNESS 0.1.

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 CONTENTS	=	Specify alphanumeric values for tic labels.
TIC MARK LABEL DECIMALS	=	Sets the number of decimals for tic labels.
TIC MARK LABEL DISPLACEMENT	=	Sets the distance between tic labels and the frame.
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.

APPLICATIONS

Presentation Graphics

IMPLEMENTATION DATE

89/2

PROGRAM

```

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
YLIMITS 0 500
TIC MARK LABEL FONT SIMPLEX
TIC MARK LABEL THICKNESS 0.3
.
LEGEND 1 PRESENTATION GRAPHICS
LEGEND 2 3-D BAR HISTOGRAM
TITLE DEMONSTRATE TIC LABEL THICKNESS
TITLE SIZE 5
PLOT Y X X
    
```

