... TIC MARK SIZE

PURPOSE
Specifies the length of major tic marks to appear on subsequent plots.

DESCRIPTION
The length of the tics on the vertical axis is specified in horizontal DATAPLOT 0 to 100 units and the length of the tics on the vertical axis is specified in vertical DATAPLOT 0 to 100 units. The tic mark sizes hold for all subsequent plots until defaulted (via the ...TIC MARK SIZE command with no arguments) or until overridden with new tic mark sizes. The length of minor tic marks is automatically set to half the length of major tic marks. There is no command to independently set the size of the minor tic marks.

SYNTAX
<prefix>TIC MARK SIZE <size>
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   <size> is a number or parameter in the range 0 to 100 that specifies the desired tic mark size (length).

EXAMPLES
Y1TIC MARK SIZE 3
X1TIC MARK SIZE 5
TIC MARK SIZE 2
TIC MARK SIZE A

NOTE 1
It is rare to assign different sizes to tic marks on the 4 different sides. Whatever size is chosen for one side is almost always chosen for all sides. The most common form (by far) for this command is the last one (with no prefix) which defines the size uniformly for tic marks on all 4 frame sides. An exception is in the multiplot case where the ratio of rows to columns is not close to one. In this case, separate sizes for the vertical and horizontal tic marks may be required to compensate for distortion caused by the MULTIPLOT command.

NOTE 2
A ...TIC MARK SIZE command with no arguments reverts the size to default; thus X1TIC MARK SIZE with no arguments reverts the tic mark size for the bottom horizontal frame line to default. A ...TIC MARK SIZE command with no prefix refers to tic marks on all 4 sides; thus TIC MARK SIZE 2 assigns the size 2 to tic marks on all 4 sides. TIC MARK SIZE with no prefix and no arguments reverts tic mark size on all 4 sides to default.

DEFAULT
All tic mark sizes are 1.

SYNONYMS
TIC SIZE, TICS SIZE, and TICS MARK SIZE are synonyms for TIC MARK SIZE, as in TIC SIZE 1.25 and X2TIC SIZE 2.

RELATED COMMANDS
TIC MARK	=	Specifies whether or not tics are drawn.
TIC MARK COLOR	=	Sets the color for tic marks.
TIC MARK OFFSET	=	Sets the offset for the first and last tic marks.
TIC MARK POSITION	=	Sets location of tic marks (inside/outside through).
TIC MARK THICKNESS	=	Sets the thickness of tic marks.

APPLICATIONS
Multi-plotting

IMPLEMENTATION DATE

       Pre-1987

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

       .

       X1LABEL LEAD

       Y1LABEL POTASSIUM

       LINE BLANK ALL

       CHARACTER CIRCLE

       CHARACTER FILL ON

       X1TIC MARK SIZE 3.0

       Y1TIC MARK SIZE 2.0

       TITLE DEMONSTRATE TIC SIZE

       TITLE SIZE 5

       PLOT POT LEAD