

CHARACTER WIDTH

PURPOSE

Specifies the width of the characters to appear at the plot points of each trace on subsequent plots.

DESCRIPTION

Character sizes are normally specified by height (and the width is then set to one half the height). This command is used to compensate for distortions caused by devices with unequal aspect ratios (e.g., circles and squares come out as ellipses and rectangles) and multiplots with an unequal number of rows and columns. The width is given in the horizontal DATAPLOT 0 to 100 units.

SYNTAX

CHARACTER WIDTH <size> <size> <size> etc.

where <size> is a decimal number or a parameter in the range 0 to 100 that specifies the desired width. Up to 100 character widths can be specified.

EXAMPLES

```
CHARACTER WIDTH 2 2 2.4 2.4
CHARACTER WIDTH 3 3 1 1 1 1.5
CHARACTERS WIDTH 3 ALL
CHARACTERS WIDTH ALL 3
CHARACTERS WIDTH
```

NOTE

The CHARACTER WIDTH command with no arguments sets the character width to default for all traces. The CHARACTER WIDTH command with the word ALL before or after the specified width assigns that width to the characters on all traces. Thus CHARACTER WIDTH 2.5 ALL or CHARACTER WIDTH ALL 2.5 assigns the width 2.5 to the characters on all traces.

DEFAULT

Character widths are set to half the character height (the default height is 2.0, so the default width is 1.0).

SYNONYMS

None

RELATED COMMANDS

PLOT	=	Generates a data or function plot.
CHARACTER	=	Sets the types for plot characters.
CHARACTER ANGLE	=	Sets the angles for plot characters.
CHARACTER AUTOMATIC	=	Specifies a variable to be used as the arguments to the CHARACTER command.
CHARACTER CASE	=	Sets the cases for plot characters.
CHARACTER COLOR	=	Sets the colors for plot characters.
CHARACTER FILL	=	Sets the fill switches for plot characters.
CHARACTER FONT	=	Sets the fonts for plot characters.
CHARACTER HW	=	Sets the heights and widths for plot characters.
CHARACTER JUSTIFICATION	=	Sets the justifications for plot characters.
CHARACTER OFFSET	=	Sets the offsets for plot characters.
CHARACTER SIZES	=	Sets the sizes for plot characters.
CHARACTER THICKNESS	=	Sets the thicknesses for plot characters.
LINES	=	Sets the types for plot lines.
SPIKES	=	Sets the on/off switches for plot spikes.
BARS	=	Sets the on/off switches for plot bars.
HEIGHT	=	Sets the height for TEXT characters.
WIDTH	=	Sets the width for TEXT characters.
HW	=	Sets the height and width for TEXT characters.

APPLICATIONS

Presentation Graphics

IMPLEMENTATION DATE

Pre-1987

PROGRAM

```
. POLLUTION SOURCE ANALYSIS, LLOYD CURRIE, DATE--1990
. SUBSET OF CURRIE.DAT REFERENCE FILE
LET ID2 = DATA 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2
LET X = SEQUENCE 1 1 17
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
LINE BLANK ALL
CHARACTER CIRCLE CIRCLE SQUARE SQUARE
CHARACTER SIZE 1 3 1 3
CHARACTER WIDTH .75 2.25 .75 2.25
LEGEND FONT SIMPLEX
LEGEND 1 CIRC() - POTASSIUM
LEGEND 2 SQUA() - LEAD
TITLE DEMONSTRATE CHARACTER WIDTH COMMAND
TITLE SIZE 5
PLOT POT X ID2 AND
PLOT LEAD X ID2
```

