

CHARACTER SIZE

PURPOSE

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

DESCRIPTION

The size is the height of the character (not counting vertical spacing). The size is given in DATAPLOT 0 to 100 units. The width of the character is automatically set to one half the character height (use the CHARACTER HW command to set the height and width independently). The height is based on the vertical 0 to 100 units while the width is based on the horizontal 0 to 100 units.

SYNTAX

CHARACTER SIZES <size> <size> <size> etc.

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

EXAMPLES

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

NOTE

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

DEFAULT

The default character size is 2.

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 THICKNESS	=	Sets the thicknesses for plot characters.
CHARACTER WIDTH	=	Sets the widths 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.
TITLE SIZE	=	Sets the size for the plot title.
LABEL SIZE	=	Sets the size for plot labels.
LEGEND SIZE	=	Sets the size for plot legends.
TIC SIZE	=	Sets the size for plot tic marks.
TIC LABEL SIZE	=	Sets the size for plot tic mark labels.
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 1.0 3.0 1.0 3.0
LEGEND FONT SIMPLEX
LEGEND 1 CIRC() - POTASSIUM
LEGEND 2 SQUA() - LEAD
TITLE DEMONSTRATE CHARACTER SIZE COMMAND
TITLE SIZE 5
PLOT POT X ID2 AND
PLOT LEAD X ID2
```

