

SEGMENT THICKNESS

PURPOSE

Specifies the thickness for the line segments to appear on subsequent plots.

DESCRIPTION

Segments are straight lines that the analyst can position anywhere on the plot. They are most typically used in legend boxes to identify curves. The segments appear on all subsequent plots until blanked out or overridden with new segment coordinates. The segment colors hold for all subsequent plots until defaulted or overridden with new colors. Up to 100 such line segments can be specified.

The thickness is specified in vertical DATAPLOT 0 to 100 coordinates. A value of 0.1 yields a single line width on most devices. Typical values are between 0.05 and 0.3.

SYNTAX

SEGMENT <id> THICKNESS <thickness>

where <id> is an integer number or parameter in the range 1 to 100 that specifies the segment identifier;

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

EXAMPLES

SEGMENT 2 THICKNESS 0.2

SEGMENT 2 THICKNESS 0.3

NOTE

A SEGMENT ... THICKNESS command with no arguments reverts the line segment thickness to default; thus SEGMENT 1 THICKNESS with no arguments reverts the thickness for line segment 1 to default. A SEGMENT ... THICKNESS command with no <id> refers to all 100 line segments; thus SEGMENT THICKNESS 0.2 assigns the thickness 0.2 to all 100 line segments. SEGMENT THICKNESS with no <id> and no arguments reverts the thickness to default for all 100 line segments.

DEFAULT

All segment line thicknesses are 0.1.

SYNONYMS

None

RELATED COMMANDS

| | | |
|---------------------|---|---|
| SEGMENT COLOR | = | Specify the color for a segment. |
| SEGMENT COORDINATES | = | Specify a segment location. |
| SEGMENT PATTERN | = | Specify the line type for a segment. |
| LEGEND | = | Specify a legend for a subsequent plot. |
| ARROW COORDINATES | = | Specify the location of an arrow. |
| BOX COORDINATES | = | Specify the location of a box. |
| PLOT | = | Generate a data or function plot. |

APPLICATIONS

Presentation Graphics

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
LET N = SIZE LEAD
LET X = SEQUENCE 1 1 N
.
LINE THICKNESS 0.1 0.3
SEGMENT 1 COORDINATES 17 87 22 87
SEGMENT 2 COORDINATES 17 83 22 83
SEGMENT 1 THICKNESS 0.1
SEGMENT 2 THICKNESS 0.3
LEGEND 1 COORDINATES 23 86
LEGEND 1 POTASSIUM
LEGEND 2 COORDINATES 23 82
LEGEND 2 LEAD
TITLE DEMONSTRATE SEGMENT THICKNESS
TITLE SIZE 5
PLOT POT LEAD VS X
```

