

## SEGMENT COORDINATES

### PURPOSE

Specifies the location of a line segment to appear on subsequent plots. See the Graphics Attributes chapter for a list of available line styles.

### 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 SEGMENT COORDINATES command defines the (x,y) values for the start and the end points respectively of the line segment. The coordinates are specified in DATAPLOT 0 to 100 units.

### SYNTAX

SEGMENT <id> COORDINATES <x1> <y1> <x2> <y2>

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

<x1> is a number or parameter in the decimal range 0 to 100 that specifies the x coordinate of the start point;

<y1> is a number or parameter in the decimal range 0 to 100 that specifies the y coordinate of the start point;

<x2> is a number or parameter in the decimal range 0 to 100 that specifies the x coordinate of the stop point;

and <y2> is a number or parameter in the decimal range 0 to 100 that specifies the y coordinate of the stop point.

### EXAMPLES

```
SEGMENT 2 COORDINATES 20 80 60 60
```

```
SEGMENT 2 COORDINATES 20 60 40 80
```

### NOTE

A SEGMENT ... COORDINATES command with no arguments omits the line segment from subsequent plots; thus SEGMENT 1 COORDINATES with no arguments omits line segment 1 from subsequent plots. A SEGMENT ... COORDINATES command with no <id> refers to all 100 line segments; thus SEGMENT COORDINATES 30 80 40 60 assigns the coordinates (30,80) and (40,60) to all 100 line segments (but this has no practical use). SEGMENT COORDINATES with no <id> and no arguments omits all 100 line segments from subsequent plots.

### DEFAULT

No line segments are drawn.

### SYNONYMS

None

### RELATED COMMANDS

SEGMENT COLOR	=	Specify the color for a segment.
SEGMENT PATTERN	=	Specify the line type for a segment.
SEGMENT THICKNESS	=	Specify the line thickness for a segment.
LEGEND	=	Specify a legend for a subsequent plot.
LEGEND COORDINATES	=	Specify the location of 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 SOLID DASH  
SEGMENT 1 COORDINATES 17 87 22 87  
SEGMENT 2 COORDINATES 17 83 22 83  
SEGMENT 2 PATTERN DASH  
LEGEND 1 COORDINATES 23 86  
LEGEND 1 POTASSIUM  
LEGEND 2 COORDINATES 23 82  
LEGEND 2 LEAD  
TITLE SEGMENT COORDINATES COMMAND  
TITLE SIZE 5  
PLOT POT LEAD VS X
```

