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