... FRAME COORDINATES

PURPOSE
Specifies the coordinates of the frame to appear on subsequent plots.

DESCRIPTION
The frame is the 4-sided box which surrounds the usual 2-dimensional plot. The 2 pairs of coordinates define the (x,y) values for two opposing corners of the frame. The coordinates are given in DATAPLOT 0 to 100 coordinates.

SYNTAX
FRAME COORDINATES <x1> <y1> <x2> <y2>
where <x1> is a decimal number or parameter in the range 0 to 100 that specifies the lower left corner X coordinate; 
<y1> is a decimal number or parameter in the range 0 to 100 that specifies the lower left corner Y coordinate; 
<x2> is a decimal number or parameter in the range 0 to 100 that specifies the upper right corner X coordinate; 
<y2> is a decimal number or parameter in the range 0 to 100 that specifies the upper right corner Y coordinate.

EXAMPLES
FRAME COORDINATES 50 50 90 90
FRAME COORDINATES 10 60 40 80

DEFAULT
The default frame corner coordinates are (15,20) and (85,90).

SYNONYMS
FRAME CORNER COORDINATES

RELATED COMMANDS
PLOT = Generates a data or function plot.
FRAME = Sets the on/off switch for the plot frame.
FRAME COLOR = Sets the color for the plot frame.
FRAME THICKNESS = Sets the thickness for the plot frame.
LEGEND COORDINATES = Sets the locations for plot legends.
BOX COORDINATES = Sets the locations for plot boxes.
ARROW COORDINATES = Sets the locations for plot arrows.
SEGMENT COORDINATES = Sets the locations for plot segments.
WINDOW COORDINATES = Sets the portion of the output device to use.

APPLICATIONS
Plot positioning

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

XLIMITS 0 700; YLIMITS 0 500
TITLE DEMONSTRATE FRAME COORDINATES COMMAND; TITLE SIZE 5
Y2FRAME OFF
X2FRAME OFF
X1LABEL LEAD; Y1LABEL POTASSIUM
CHARACTER CIRCLE
CHARACTER SIZE 1.5
LINE BLANK ALL
PLOT POT VS LEAD

FRAME CORNER COORDINATES 81 20 89 90
PRE-ERASE OFF
FENCES ON; LINES TUFTE BOX PLOT; CHARACTERS TUFTE BOX PLOT
LET N = SIZE POT; LET X = 1 FOR I = 1 1 N
XLIMITS 0 2
FRAME OFF
TITLE; X1LABEL; Y1LABEL
BOX PLOT POT X

FRAME CORNER COORDINATES 15 86 85 94
XLIMITS 0 700
YLIMITS 0 2
HORIZONTAL SWITCH ON
BOX PLOT LEAD X