

MULTILOT COORDINATES

PURPOSE

Specify the area of the device to use for the MULTILOT command.

DESCRIPTION

The MULTILOT plot command divides the page into separate plot areas. By default, it uses the current frame area. That is, the frame is divided into equal sized rectangles with their own 0 to 100 scale in the X and Y directions. The default frame area is from (15,20) to (85,90) in DATAPLOT 0 to 100 units. Each multiplot region has its own frame (still (15,20) and (85,90) but with respect to the multiplot region rather than the whole page).

It is often desirable to use a larger portion of the screen before creating the multiplot subregions. The MULTILOT COORDINATES command specifies the lower left corner and the upper right corner for doing the multiplot. The FRAME COORDINATES command is used to specify the size of the frame area within a given multiplot subregion.

SYNTAX

MULTILOT COORDINATES <x1> <y1> <x2> <y2>

where <x1> is a decimal number or parameter in the range 0 to 100 that specifies the horizontal position of the lower left corner;
 <y1> is a decimal number or parameter in the range 0 to 100 that specifies the vertical position of the lower left corner;
 <x2> is a decimal number or parameter in the range 0 to 100 that specifies the horizontal position of the upper right corner;
 and <y2> is a decimal number or parameter in the range 0 to 100 that specifies the vertical position of the upper right corner.

EXAMPLES

```
MULTILOT COORDINATES 0 0 100 100
MULTILOT COORDINATES 5 5 95 95
```

DEFAULT

In DATAPLOT 0 to 100 coordinates, the default left corner is (15,20) and the default right corner is (85,90).

SYNONYMS

MULTILOT CORNER COORDINATES

RELATED COMMANDS

MULTILOT	=	Generate multiple plots per page.
PLOT	=	Generates a data or function plot.
FRAME	=	Sets the on/off switch for plot frame.
FRAME CORNER COORDINATES	=	Specify the frame coordinates.

APPLICATIONS

Multiple plots per page

IMPLEMENTATION DATE

88/9

PROGRAM

```
LET THETA = SEQUENCE 0 1 380
LET X = SIN(THETA)
MULTILOT 3 4
MULTILOT CORNER COORDINATES 0 0 100 100
FRAME OFF
PRE-SORT OFF
LABEL SIZE 4
LOOP FOR K = .1 .1 1.2
  LET Y=SIN(K*THETA)
  XLABEL ^K
  PLOT Y X
END OF LOOP
END OF MULTILOT
```

