

## BAR EXPANSION

### PURPOSE

Control the height and width of bars in a BLOCK PLOT command.

### DESCRIPTION

The height and width are expressed in DATAPLOT 0 to 100 units. That is, the height is a percentage of the vertical size of the device and the width is a percentage of the horizontal size of the device.

### SYNTAX

BAR EXPANSION <height> <width>

where <height> is a number or parameter that specifies the distance from the minimum and maximum points in the block plot to the bottom and top of the enclosing bar;

and <width> is a number or parameter that specifies the width of the enclosing bar.

### EXAMPLES

BAR EXPANSION 0.5 2.0

BAR EXPANSION DEFAULT

### DEFAULT

The default height is 1.0 and the default width is 1.0.

### SYNONYMS

None

### RELATED COMMANDS

BLOCK PLOT = Generate a block plot.

### APPLICATIONS

Analysis of Variance, Design of Experiments

### IMPLEMENTATION DATE

92/5

PROGRAM

```

SERIAL READ Y
28.4 21.9 36.8 19.2 28.2 26.6 30.4 25.1 25.5 21.5 26.0 21.9 20.2 14.3
19.9 22.5 23.4 18.5 38.2 12.8 22.0 22.5 30.3 17.7
END OF DATA
LET PROC = PATTERN 1 2 FOR I = 1 1 24
LET PLANT = SEQUENCE 1 12 1 2
LET SPEED = SEQUENCE 1 6 1 2 FOR I = 1 1 24
LET SHIFT = SEQUENCE 1 2 1 3 FOR I = 1 1 24
CHARACTERS 1 2
LINE BLANK BLANK
.
CHARACTER SIZE 1.0 ALL
BAR EXPANSION 2.0 0.8
BLOCK PLOT Y PLANT SPEED SHIFT PROC
    
```

Compare the output of this to the sample program under the BLOCK PLOT command (Graphics chapter).

