

**BOX ... FILL GAP****PURPOSE**

Specifies the gap between lines when generating a pattern fill of a box to appear on subsequent plots (as specified via the BOX ... COORDINATES command) or boxes generated by the BOX command. Up to 100 boxes can be specified with the BOX ... COORDINATES command.

**DESCRIPTION**

This command only applies to pattern fills. It is ignored for solid fills. Also, the BOX FILL PATTERN command must be entered to specify the type of pattern fill. The gap is entered in DATAPLOT 0 to 100 units, i.e., as a percentage of the vertical size of the graphics device.

**SYNTAX**

BOX <id> FILL GAP <gap>  
 where <id> is an integer number or parameter in the range 1 to 100 that specifies the box identifier;  
 and <gap> is a decimal number or parameter in the range 0 to 100 that specifies the desired gap.

**EXAMPLES**

```
BOX 2 FILL GAP 0.5
BOX 1 FILL GAP 0.3
BOX 3 FILL GAP 1.5
```

**NOTE 1**

Boxes can be generated in two ways. You can use the BOX COORDINATES command to place boxes on subsequent plots or you can use the BOX command to draw one box immediately. The BOX FILL GAP command is used to specify the fill gap of the box pattern in either case. When the BOX command is used, the fill gap is set to the fill gap of the first box (i.e., <id> is 1).

**NOTE 2**

A BOX ... FILL GAP command with no arguments sets the gap to default. Thus BOX 1 FILL GAP with no arguments sets the fill gap for box 1 to default. BOX FILL GAP command with no <id> refers to all 100 boxes. Thus BOX FILL GAP 0.5 sets the fill gap to 0.5 for all 100 boxes. BOX FILL GAP with no <id> and no arguments sets the default fill gap for all 100 boxes.

**DEFAULT**

All box fill gaps are set to 1.0.

**SYNONYMS**

None

**RELATED COMMANDS**

PLOT	=	Generates a data or function plot.
BOX CORNER COORDINATES	=	Generate a box on subsequent plots.
BOX	=	Draws a box (immediately).
BOX COLOR	=	Sets the colors for box borders.
BOX PATTERN	=	Sets the line styles for box borders.
BOX THICKNESS	=	Sets the line thicknesses for box borders.
BOX FILL COLOR	=	Sets the colors for box fill patterns.
BOX FILL LINE	=	Sets the line types for box hatch patterns.
BOX FILL PATTERN	=	Sets the fill patterns for boxes.
BOX FILL THICKNESS	=	Sets the line thicknesses for box hatch patterns.
BAR PATTERN SPACING	=	Sets the line spacings for bar fill patterns.

**APPLICATIONS**

Presentation Graphics

**IMPLEMENTATION DATE**

92/8

PROGRAM

```

LET CARTER = DATA 66 30 11 43 44 41 35 82 54 36
LET REAGAN = DATA 26 54 84 47 51 51 52 14 36 55
LET X = DATA 1 2 3 5 6 7 8 10 11 12; LET X1 = X - 0.2; LET X2 = X + 0.2
.
YLIMITS 1 12; YTIC OFFSET 1 1; MINOR Y1TIC MARK NUMBER 0
Y1TIC MARK LABEL FORMAT ALPHA
Y1TIC LABEL CONTENT DEMOCRATS INDEPENDENTS REPUBLICANS SP() EAST ...
        SOUTH MIDWEST WEST SP() BLACKS HISPANICS WHITES SP()
XILABEL PERCENT; XLIMITS 0 100
MAJOR XTIC NUMBER 11; MINOR XTIC NUMBER 1
.
LINE BLANK BLANK; BAR ON ON
BAR WIDTH 0.2 ALL; BAR DIRECTION H ALL
BAR FILL ON ON
BAR PATTERN D1 D1
BAR FILL SPACING 1 2
BOX FILL PATTERN D1
BOX SHADOW HW 0 0
BOX 1 CORNER COORDINATES 70 80 73 83
BOX 1 FILL GAP 1
BOX 2 CORNER COORDINATES 70 85 73 88
BOX 2 FILL GAP 2
LEGEND JUSTIFICATION LECE
LEGEND 1 CARTER; LEGEND 1 COORDINATES 74 81.5
LEGEND 2 REAGAN; LEGEND 2 COORDINATES 74 86.5
TITLE DEMONSTRATE BOX FILL GAP
TITLE SIZE 3
PLOT X1 CARTER AND
PLOT X2 REAGAN
    
```

