

**BOX ... PATTERN****PURPOSE**

Specifies the line type for the frame of a box to appear on subsequent plots (as specified via the BOX ... COORDINATES command) or boxes generated with the BOX command. Up to 100 boxes can be specified with the BOX ... COORDINATES command. See the Graphics Attributes chapter for a list of available line styles.

**SYNTAX**

BOX <id> PATTERN <pattern>

where <id> is an integer number or parameter in the range 1 to 100 that specifies the box identifier;  
and <pattern> is a string that specifies the desired line style.

**EXAMPLES**

BOX 2 PATTERN SOLID

BOX 1 PATTERN DASH

**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 PATTERN command is used to specify the line pattern of the box border in either case. When the BOX command is used, the box border line pattern is set to the line pattern of the first box (i.e., <id> is 1).

**NOTE 2**

A BOX ... PATTERN command with no arguments sets the box pattern to default. Thus BOX 1 PATTERN with no arguments sets the pattern for box 1 to default. A BOX ... PATTERN command with no <id> refers to all 100 boxes. Thus BOX PATTERN DASH sets the pattern dash for all 100 boxes. BOX PATTERN with no <id> and no arguments sets the pattern to default for all 100 boxes. This command applies to the frame of the box. Use the command BOX FILL LINE to set the line type of the interior region of the box.

**DEFAULT**

All box borders are drawn with solid lines.

**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 THICKNESS	=	Sets the line thicknesses for box borders.
BOX FILL COLOR	=	Sets the colors for box fill patterns.
BOX FILL GAP	=	Sets the spacings for box hatch 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 BORDER LINE	=	Sets the line types for plot bar borders.

**APPLICATIONS**

Presentation Graphics

**IMPLEMENTATION DATE**

89/2

PROGRAM

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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 - 0.22; LET X2 = X + 0.22
Y1TIC MARK LABEL FORMAT ALPHA; YLIMITS 1 12; YTIC OFFSET 1 1
MINOR Y1TIC MARK NUMBER 0
Y1TIC LABEL CONTENT DEMOCRATS INDEPENDENTS REPUBLICANS SP() EAST ...
    SOUTH MIDWEST WEST SP() BLACKS HISPANICS WHITES SP()
X1LABEL PERCENT; XLIMITS 0 100
MAJOR XTIC NUMBER 11; MINOR XTIC NUMBER 1
LINE BLANK BLANK
BAR ON ON
BAR WIDTH 0.2 ALL
BAR BORDER THICKNESS 0.1 0.1
BAR BORDER DASH DOTTED
BAR DIRECTION H ALL
.
BOX SHADOW HW 0 0
BOX THICKNESS 0.1
BOX 1 CORNER COORDINATES 70 85 73 88
BOX 1 PATTERN DASH2
BOX 2 CORNER COORDINATES 70 80 73 83
BOX 2 PATTERN DOTTED
.
LEGEND 1 CARTER; LEGEND 1 COORDINATES 74 86.5; LEGEND 1 JUSTIFICATION LECE
LEGEND 2 REAGAN; LEGEND 2 COORDINATES 74 81.5; LEGEND 2 JUSTIFICATION LECE
TITLE DEMONSTRATE THE BOX PATTERN COMMAND; TITLE SIZE 5
PLOT X1 CARTER AND
PLOT X2 REAGAN
    
```

