

BOX ... SHADOW**PURPOSE**

Specifies the shadow for a box to appear on subsequent plots (as specified via the BOX ... COORDINATES command) or boxes generated with the BOX command. Up to 100 such boxes can be specified with the BOX ... COORDINATES command.

DESCRIPTION

The shadow is a small solid region drawn to the right and the bottom of a box to give it a 3-d effect. The height and width of the box are specified in DATAPLOT 0 to 100 units.

SYNTAX 1

BOX <id> SHADOW HW <height> <width>

where <id> is an integer number or parameter in the range 1 to 100 that specifies the box identifier;

<height> is a number or parameter in the decimal range 0 to 100 that specifies the size of the region below the box;

and <width> is a number or parameter in the decimal range 0 to 100 that specifies the size of the region to the right of the box.

SYNTAX 2

BOX <id> SHADOW HEIGHT <height>

where <id> is a box identifier (an integer number or parameter from 1 to 100);

and <height> is a number or parameter in the decimal range 0 to 100 that specifies the size of the region below the box.

SYNTAX 3

BOX <id> SHADOW WIDTH <width>

where <id> is a box identifier (an integer number or parameter from 1 to 100);

and <width> is a number or parameter in the decimal range 0 to 100 that specifies the size of the region to the right of the box.

EXAMPLES

BOX 2 SHADOW HW 0.8 0.6

BOX 1 SHADOW HW 0 0

BOX 3 SHADOW HEIGHT 0.8

BOX 9 SHADOW WIDTH 0.6

NOTE 1

To suppress the shadow, enter the height and width as zero (i.e., BOX SHADOW HW 0 0).

NOTE 2

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 SHADOW command is used to specify the shadow of the box in either case. When the BOX command is used, the box shadow is set to the shadow of the first box (i.e., <id> is 1).

NOTE 3

A BOX ... SHADOW HW command with no arguments sets the shadow to default. Thus BOX 1 SHADOW HW with no arguments sets the SHADOW HW for box 1 to default. BOX SHADOW HW command with no <id> refers to all 100 boxes. Thus BOX SHADOW HW 0.8 0.6 sets the height to 0.8 and the width to 0.6 for all 100 boxes. BOX SHADOW HW with no <id> and no arguments sets the default SHADOW HW for all 100 boxes. The shadow is drawn in the same color as the box frame (BOX COLOR command).

DEFAULT

The box shadow height is 0.8 and the box shadow width is 0.6.

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.

BAR DIMENSION = Sets plot bars to 2d or 3d.

APPLICATIONS

Presentation Graphics

IMPLEMENTATION DATE

92/8

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
XLIMITS 1 12
XTIC OFFSET 1 1
MINOR XTIC MARK NUMBER 0
YILABEL PERCENT
YLIMITS 0 100
MAJOR YTIC NUMBER 11
MINOR YTIC NUMBER 1
LINE SOLID DASH
LEGEND 1 CARTER; LEGEND 1 COORDINATES 74 85
LEGEND 2 REAGAN; LEGEND 2 COORDINATES 74 80
SEGMENT 1 COORDINATES 71 86 73 86; SEGMENT 2 COORDINATES 71 81 73 81
SEGMENT 2 PATTERN DASH
BOX SHADOW HW 1.2 0.9
BOX 1 CORNER COORDINATES 70 78 82 89
TITLE DEMONSTRATE THE BOX SHADOW COMMAND
TITLE SIZE 5
PLOT CARTER REAGAN VS X
    
```

