

BOX ... FILL THICKNESS

PURPOSE

Specifies the thickness (i.e., line width) to use for hatch pattern fills for the interior region 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.

DESCRIPTION

This command only applies to hatch pattern fills and will be ignored for solid fills. The BOX FILL PATTERN command must be entered to specify the type of pattern fill. The thickness is typically set to a value between 0.05 and 0.3.

SYNTAX

BOX <id> FILL THICKNESS <thickness>

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

and <thickness> is a decimal number or parameter in the range 0 to 100 that specifies the desired line width.

EXAMPLES

BOX 2 FILL THICKNESS 0.1

BOX 2 FILL THICKNESS 0.3

BOX 2 FILL THICKNESS 0.2

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

NOTE 2

A BOX ... FILL THICKNESS command with no arguments sets the THICKNESS to default. Thus BOX 1 FILL THICKNESS with no arguments sets the fill THICKNESS for box 1 to default. BOX FILL THICKNESS command with no <id> refers to all 100 boxes. Thus BOX FILL THICKNESS 0.2 sets the thickness to 0.2 for all 100 boxes. BOX FILL THICKNESS with no <id> and no arguments sets the default fill thickness for all 100 boxes.

DEFAULT

All line thicknesses for box hatch fills are set to 0.1.

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 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.
BAR PATTERN THICKNESS	=	Sets the line thicknesses for plot bar fills.

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; 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 PATTERN THICK 0.1 0.3
BOX FILL PATTERN D1
BOX SHADOW HW 0 0
BOX 1 CORNER COORDINATES 70 80 73 83
BOX 1 FILL THICK 0.1
BOX 2 CORNER COORDINATES 70 85 73 88
BOX 2 FILL THICK 0.3
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 THICKNESS
TITLE SIZE 5
PLOT X1 CARTER AND
PLOT X2 REAGAN

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