

BOX ... THICKNESS

PURPOSE

Specifies the thickness 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.

SYNTAX

BOX <id> 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 (typically between 0.05 and 0.3) that specifies the desired line thickness.

EXAMPLES

BOX 1 THICKNESS 0.1

BOX 2 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 THICKNESS command is used to specify the line width of the box border in either case. When the BOX command is used, the box border line width is set to the line width of the first box (i.e., <id> is 1).

NOTE 2

A BOX ... THICKNESS command with no arguments sets the box thickness to default. Thus BOX 1 THICKNESS with no arguments sets the thickness for box 1 to default. A BOX ... THICKNESS command with no <id> refers to all 100 boxes. Thus BOX THICKNESS 0.2 sets the thickness 0.2 for all 100 boxes. BOX THICKNESS with no <id> and no arguments sets the thickness to default for all 100 boxes. This command sets the thickness of the frame of the box. Use the command BOX FILL GAP to set the thickness of the lines used to draw the interior of the box.

DEFAULT

All box borders are drawn with a line thickness of 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 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 THICKNESS	=	Sets the line thicknesses for plot bar borders.

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
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 0.5
BAR DIRECTION H ALL
BOX SHADOW HW 0 0
BOX 1 CORNER COORDINATES 70 85 73 88
BOX 1 THICKNESS 0.1
BOX 2 CORNER COORDINATES 70 80 73 83
BOX 2 THICKNESS 0.5
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LEGEND JUSTIFICATION LECE
LEGEND 1 CARTER; LEGEND 1 COORDINATES 74 86.5
LEGEND 2 REAGAN; LEGEND 2 COORDINATES 74 81.5
TITLE DEMONSTRATE THE BOX THICKNESS COMMAND
TITLE SIZE 5
PLOT X1 CARTER AND
PLOT X2 REAGAN
    
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