

BAR PATTERN SPACING

PURPOSE

Specifies the spacing to be used between lines for pattern fills of bars on subsequent plots. The spacing determines the density of the bar pattern fill.

DESCRIPTION

See the documentation for the BAR command for a description of the various types of bar charts that DATAPLOT can generate. Bar pattern spacings are specified by trace. The spacings are in DATAPLOT 0 to 100 units, that is as a percentage of the vertical size of the graphics device. All bars belonging to the same trace will have the same bar pattern spacing.

SYNTAX

BAR PATTERN SPACINGS <number> <number> <number> etc.

where <number> is a number or parameter in the decimal range 0. to 100. that specifies the desired bar pattern spacing. Up to 100 bar pattern spacings can be specified.

EXAMPLES

BAR PATTERN SPACINGS 1.0 0.5 1.0 0.5

BAR PATTERN SPACINGS 0.5 0.5 1.0

BAR PATTERN SPACINGS 1.0 ALL

NOTE 1

The BAR FILL command must be used in order for the bars to be filled with a pattern. If the bar fill switch is off (the default), this command is ignored.

NOTE 2

DATAPLOT can generate either solid fills or hatch pattern fills. The BAR PATTERN SPACINGS command only applies to hatch fills. The BAR PATTERN command is used to specify a hatch fill.

NOTE 3

The BAR PATTERN SPACING command with no arguments sets the bar pattern spacing to default for all traces. The BAR PATTERN SPACING command with the word ALL before or after the specified pattern spacing assigns that pattern spacing to all bars. Thus BAR PATTERN SPACING 1.0 ALL or BAR PATTERN SPACING ALL 1.0 uses a pattern spacing of 1.0 for all bars on the plot.

DEFAULT

All bar pattern spacings are 1.0.

SYNONYMS

None

RELATED COMMANDS

PLOT	=	Generates a data or function plot.
CHARACTERS	=	Sets the character types for plot points.
LINES	=	Sets the line types for plot points.
SPIKES	=	Sets the on/off switches for plot spikes.
BAR	=	Sets the on/off switches for bars on plots.
BAR BASE	=	Sets the base locations for plot bars.
BAR FILL	=	Sets the on/off switches for plot bar fills.
BAR FILL COLOR	=	Sets the colors for bar fills.
BAR DIMENSION	=	Sets the bar dimensions to 2d or 3d.
BAR DIRECTION	=	Sets the bar directions to horizontal or vertical.
BAR PATTERN	=	Sets the types for bar fill patterns.
BAR PATTERN COLOR	=	Sets the colors for bar fill patterns.
BAR PATTERN LINE	=	Sets the line types for bar fill patterns.
BAR PATTERN THICKNESS	=	Sets the line thicknesses for bar fill patterns.
BAR BORDER COLOR	=	Sets the colors for bar border lines.
BAR BORDER LINE	=	Sets the types for bar border lines.
BAR BORDER THICKNESS	=	Sets the line thicknesses for bar border lines.

BAR WIDTH = Sets the widths for plot bars.

APPLICATIONS

Presentation Graphics

IMPLEMENTATION DATE

Pre-1987

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 - 0.4; LET X2 = X + 0.4
.
HORIZONTAL SWITCH ON
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()
X1LABEL PERCENT; XLIMITS 0 100
MAJOR XTIC MARK NUMBER 11
MINOR XTIC MARK NUMBER 1
LINE BLANK ALL
BAR ON ON
BAR FILL ON ALL
BAR WIDTH 0.2 ALL
BAR PATTERN D1 ALL
BAR PATTERN SPACING 2 4
TITLE DEMONSTRATE BAR PATTERN SPACING
TITLE SIZE 5
PLOT CARTER X1 AND
PLOT REAGAN X

```

