

BAR PATTERN THICKNESS

PURPOSE

Specifies the thickness of lines used to draw bar pattern fills on subsequent plots.

DESCRIPTION

See the documentation for the BAR command for a description of the various types of bar charts that DATAPLOT can generate. Typical values for the thickness are between 0.1 (the default) and 0.3. Bar pattern thicknesses are specified by trace. All bars belonging to the same trace will have the same bar pattern thickness.

SYNTAX

BAR PATTERN THICKNESS <thickness> <thickness> <thickness> etc.

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

EXAMPLES

```
BAR PATTERN THICKNESS 0.1 0.2 0.1 0.2
```

```
BAR PATTERN THICKNESS 0.2 0.2 0.1
```

```
BAR PATTERN THICKNESS 0.1 ALL
```

DEFAULT

All bar pattern line thicknesses are 0.1.

SYNONYMS

None

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

NOTE 2

The BAR PATTERN THICKNESS command with no arguments sets the bar pattern line thickness to default for all traces. The BAR PATTERN THICKNESS command with the word ALL before or after the specified thickness assigns that bar pattern line thickness to all bars. Thus BAR PATTERN THICKNESS 0.1 ALL or BAR PATTERN THICKNESS ALL 0.1 plots bar pattern fills with a line thickness of 0.1 for all bars on the plot.

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 SPACING	=	Sets the line spacings 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 X = DATA 1 2 3 5 6 7 8 10 11 12
.
HORIZONTAL SWITCH ON
YLIMITS 1 12
YTIC OFFSET 1 1
MINOR YTIC MARK NUMBER 0
YTIC MARK LABEL FORMAT ALPHA
YTIC LABEL CONTENT DEMOCRATS INDEPENDENTS REPUBLICANS SP() EAST ...
        SOUTH MIDWEST WEST SP() BLACKS HISPANICS WHITES SP()
XILABEL PERCENT
XLIMITS 0 100
MAJOR XTIC MARK NUMBER 11
MINOR XTIC MARK NUMBER 1
LINE BLANK
BAR ON
BAR FILL ON
BAR WIDTH 0.5
BAR PATTERN D1
BAR PATTERN SPACING 4
BAR PATTERN THICK 0.5
TITLE DEMONSTRATE BAR PATTERN THICKNESS
TITLE SIZE 5
PLOT CARTER X
```

