

**BAR WIDTH****PURPOSE**

Specifies the widths of bars 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. Bar widths are specified by trace. The widths are given in the horizontal coordinates of the current plot. All bars belonging to the same trace will have the same bar width.

**SYNTAX**

BAR WIDTHS <width> <width> <width> etc.

where <width> is a positive number or parameter in the units of the plot frame (i.e., user data units) that specifies the desired width. Up to 100 bar widths can be specified.

**EXAMPLES**

```
BAR WIDTHS 0.5 1.0 0.5 1.0
BAR WIDTHS 1.0 1.0 0.5
BAR WIDTHS 0.5 ALL
BAR WIDTHS ALL 0.5
BAR WIDTHS
```

**NOTE**

The BAR WIDTH command with no arguments sets the bar type to default for all bars. The BAR WIDTH command with the word ALL before or after the specified width assigns that bar width to all bars. Thus BAR WIDTH 0.5 ALL or BAR WIDTH ALL 0.5 plots all bars with a 0.5 width.

**DEFAULT**

All bar widths 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 SPACING	=	Sets the line spacings 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.

**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 - 0.2
LET X2 = X + 0.2
.
HORIZONTAL SWITCH ON
YLIMITS 1 12
YTIC OFFSET 1 1
MINOR YITIC MARK NUMBER 0
YITIC MARK LABEL FORMAT ALPHA
YITIC 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 ALL
BAR ON ON
BAR FILL ON ALL
BAR WIDTH 0.1 0.4
TITLE DEMONSTRATE BAR WIDTH
TITLE SIZE 5
PLOT CARTER X1 AND
PLOT REAGAN X2
    
```

