BAR PATTERN LINE

PURPOSE
Specifies the line patterns used to do bar fills on subsequent plots. The line type (e.g., solid or dashed) is distinct from the pattern type (e.g., solid filled or horizontal). See the Graphics Attributes chapter for a list of available line styles.

DESCRIPTION
See the documentation for the BAR command for a description of the various types of bar charts that DATAPLOT can generate. Bar pattern line type are specified by trace. All bars belonging to the same trace will have the same bar pattern line type.

SYNTAX
BAR PATTERN LINE <type> <type> <type> etc.

where <type> is a string that specifies the desired line type. Up to 100 bar pattern line types can be specified.

EXAMPLES
BAR PATTERN LINE SOLID DASH DOT
BAR PATTERN LINES SOLID ALL
BAR PATTERN LINES ALL SOLID
BAR PATTERN LINES

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 LINE command only applies to hatch fills. Solid fills are always generated using solid lines. The BAR PATTERN command is used to specify a hatch fill.

NOTE 2
The BAR PATTERN LINE command with no arguments sets the bar pattern line to default for all traces. The BAR PATTERN LINE command with the word ALL before or after the specified type assigns that pattern line type to all traces. Thus BAR PATTERN LINE SOLID ALL or BAR PATTERN LINE ALL SOLID plots bar patterns with solid lines for all bars.

DEFAULT
All bar patterns are drawn with solid lines.

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 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.
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 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
BAR ON
BAR FILL ON
BAR WIDTH 0.5
BAR PATTERN D1; BAR PATTERN THICK 0.2
BAR PATTERN LINE DOT
TITLE DEMONSTRATE BAR PATTERN LINE
TITLE SIZE 5
PLOT CARTER X