

SHOW COLORS

PURPOSE

List the colors (and corresponding index numbers) available in DATAPLOT.

DESCRIPTION

DATAPLOT allows colors to be specified by name or by an index number. All devices recognize the same color names and index numbers and there is a consistent mapping from an index number to a color (e.g., index 1 always goes to black, index 2 always goes to red). Devices that do not support a given color map it to the closest available color. Closest is an arbitrary and device dependent choice. Specifying a device on this command shows the mapping from the DATAPLOT color to the color that is actually used on the device.

The color names will be printed on the terminal screen 24 lines at a time. You can enter NO (or N) to terminate the listing. There will be 88 colors listed.

SYNTAX 1

SHOW COLORS

This syntax lists the color names and their associated index numbers recognized by DATAPLOT.

SYNTAX 2

SHOW COLORS <device>

where <device> is one of the following:

CALCOMP
CGM
HP 2622
HPGL
PC
POSTSCRIPT
REGIS
SUN
TEKTRONIX 4115
TEKTRONIX 4662
TEKTRONIX 4027
X11
ZETA.

This syntax shows the mapping from the DATAPLOT color to the actual color used on the given device.

EXAMPLES

SHOW COLORS
SHOW COLORS POSTSCRIPT
SHOW COLORS TEKTRONIX 4115

NOTE

In previous versions, specifying a color by index would select the slot number on penplotter devices. This is no longer the case. The index number now goes to a specific color, which then goes to the slot assigned to that color. While this is less intuitive for plotters, it allows color names and indices to be treated consistently across devices (e.g., index 1 means BLACK on all devices). The PEN MAP command can still be used to assign a color to a specific slot number for plotter devices (HPGL, CALCOMP, and ZETA).

DEFAULT

None

SYNONYMS

None

RELATED COMMANDS

ZETA	=	Direct graphical output to a Zeta device.
POSTSCRIPT	=	Direct graphical output to a Postscript device.
TEKTRONIX	=	Direct graphical output to a Tektronix device.

DEVICE = Specify certain actions for the graphics output.
PEN MAP = Specify the pen slot to color mapping for certain plotter devices.

APPLICATIONS

Color specification

IMPLEMENTATION DATE

92/8

PROGRAM

SHOW COLORS

The following is the first screen of output generated.

THE FOLLOWING IS A LIST OF COLORS THAT DATAPLOT
CURRENTLY RECOGNIZES. ALL DEVICES RECOGNIZE THE
SAME COLOR NAMES. HOWEVER, MOST DEVICES ONLY SUPPORT
A SUBSET OF THIS LIST. AN UNSUPPORTED COLOR WILL BE
MAPPED TO A SUPPORTED COLOR. IN ADDITION, GRAY SCALE
CAN BE REQUESTED BY USING G0 (BLACK) THROUGH G100
(WHITE). HOWEVER, ONLY A FEW DEVICES ACTUALLY SUPPORT
GRAY SCALE (POSTSCRIPT, X11). OTHER DEVICES WILL MAP
ALL GRAY SCALES TO EITHER BLACK OR WHITE.

SUPPORTED COLORS:

COLOR	NAME	INDEX
=====	=====	=====
White	WHITE	0
Black	BLACK	1
Red	RED	2
Blue	BLUE	3
Green	GREEN	4
Magenta	MAGENTA	5
Orange	ORANGE	6
Cyan	CYAN	7
Yellow	YELLOW	8
Yellow Green	YGRE	9

MORE...?