SUN

PURPOSE

The SUN command is used to direct graphical output to a Sun workstation running the Sun View (either in a gfxtool or a suntool window) window system.

DESCRIPTION

The gfxtool window in Sun View provides 2 connected but non-overlapping windows. The upper window is a text window where the DATAPLOT commands are entered and the alphanumeric is printed. The graphics output is sent to the lower window. The suntool window is less satisfactory because the alphanumeric window and the graphics window are the same.

SYNTAX 1

SUN

This form designates device 1 as a Sun device.

SYNTAX 2

DEVICE <1/2/3> SUN

This form designates one of DATAPLOT's 3 devices (typically device 1) as a Sun device.

EXAMPLES

SUN
DEVICE 1 SUN

NOTE 1

The SUN driver only works if DATAPLOT is running on the SUN using the Sun View window system. The SUN driver uses SUN-specific libraries. This means the local DATAPLOT installers must uncomment some source code before this driver is operational. If the Sun is running DATAPLOT from another host machine, or if the SUN driver has not been activated at your site, then run DATAPLOT in a tektool window (and specify a Tektronix 4014 device).

NOTE 2

The SUN driver can automatically determine whether you are running on a color or a black and white device.

NOTE 3

This driver (and command) is becoming obsolete since Sun is switching to OpenLook and Motif based window systems. It is our recommendation to use the X11 driver (see the documentation for X11 for details) with OpenLook, Motif, or a plain vanilla X11 window system. The X11 windows are typically superior to the Sun View based windows. This is because they can operate over a network (the SUN driver can only generate output on the Sun that you are running DATAPLOT on). Also, the user has separate control over the alphanumeric and graphics window with X11.

DEFAULT

Off

SYNONYMS

None

DEVICE NOTES

1. HARDWARE TEXT - Hardware characters are scalable. No special fonts are supported. Vertical strings are not rotated.
2. COLOR - The colors WHITE, BLACK, RED, GREEN, BLUE, MAGENTA, and YELLOW are supported. All other colors are mapped to one of these colors (enter SHOW COLORS SUN for the list).
3. HARDWARE FILL - Solid area fills are generated in hardware.
4. DASH PATTERNS - Unique dash patterns are generated for DASH, DOT, DASH2, and DASH3. DASH4 and DASH5 generate whatever the most recently set pattern was.
5. LINE WIDTH - Thick lines are generated in hardware.
6. GRAPHICS INPUT - The CROSS-HAIR command is supported for this device.

RELATED COMMANDS

TEKTRONIX	=	Direct graphical output to a Tektronix device.
X11	=	Direct graphical output to an X11 device.
HP	=	Direct graphical output to an HP device.
POSTSCRIPT	=	Direct graphical output to a Postscript device.
DEVICE	=	Specify certain actions for the graphics output.

REFERENCE

The SUN driver was written by Bill Anderson of NIST.

APPLICATIONS

Graphics device specification

IMPLEMENTATION DATE

89/2

PROGRAM

```
gfxtool &; # Create a gfxtool window
dataplot; # Enter the dataplot command from the alphanumeric window
SUN
PLOT SIN(X) FOR X = -6.28 0.01 6.28
QUIT
```

This generates a plot in the SUN window.