

CROSS-HAIR**PURPOSE**

Read the screen position of a graphics input device (a cross-hair on a Tektronix terminal).

DESCRIPTION

When the CROSS-HAIR command is entered, a cross-hair (or some other type of icon) is generated on the screen. After the cross-hair appears, it can be positioned via a local thumbwheel, joystick, or mouse (depending on the device). After positioning, the coordinates can be read by either (depending on the terminal type):

1. Hitting any key (except the RETURN key); or
2. Hitting any key (except the RETURN key), and then hitting the RETURN key; or
3. Hitting one of the mouse buttons.

After such reading, the coordinate values are printed on the screen. To suppress such printing, the analyst should enter the FEEDBACK OFF command at some time before entering the CROSS-HAIR command.

SYNTAX 1

CROSS-HAIR

where the coordinates (in units of 0 to 100) are printed to the screen.

SYNTAX 2

CROSS-HAIR <x1> <y1>

where <x1> is a parameter where the x coordinate is returned (in units of 0 to 100);

and <y1> is a parameter where the y coordinate is returned (in units of 0 to 100).

SYNTAX 3

CROSS-HAIR <x1> <y1> <x2> <y2>

where <x1> is a parameter where the x coordinate is returned (in units of 0 to 100);

<y1> is a parameter where the y coordinate is returned (in units of 0 to 100);

<x2> is a parameter where the x coordinate is returned (in units of the last plot);

and <y2> is a parameter where the y coordinate is returned (in units of the last plot).

This latter feature makes it convenient for "reading off" data values from a curve that has already been plotted on the screen.

EXAMPLES

CROSS-HAIR

CROSS-HAIR X1 Y1

CROSS-HAIR X1 Y1 X2 Y2

NOTE

This command is currently supported on the Tektronix, X11, REGIS, HP 2622, and the Sun devices. Be aware that many Tektronix emulators do not support graphics input. Some local code adjustments may be required for the Tektronix graphics input to work properly on some operating systems.

DEFAULT

CROSS-HAIR with no arguments prints (in 0 to 100 units) the coordinates on the screen, but will not read such values into any parameters.

SYNONYMS

CH is a synonym for CROSS-HAIR. CH is more commonly used than CROSS-HAIR. CROSSHAIR is an infrequently used synonym.

RELATED COMMANDS

TEXT	=	Writes a text string.
PLOT	=	Generates a data or function plot.
MOVE	=	Moves to a point.
DRAW	=	Draws a line segment.
WINDOW COORDINATES	=	Sets the location of the plot window.
FRAME COORDINATES	=	Sets the location of the plot frame.

LEGEND COORDINATES	=	Sets the location of plot legends.
BOX COORDINATES	=	Sets the location of plot boxes.
ARROW COORDINATES	=	Sets the location of plot arrows.
SEGMENT COORDINATES	=	Sets the location of plot line segments.
ERASE	=	Erases the screen (immediately).

APPLICATIONS

Presentation graphics

IMPLEMENTATION DATE

Pre-1987

PROGRAM

```
PLOT SIN(X) FOR X = 0 0.01 6.28 AND
PLOT COS(X) FOR X = 0 0.01 6.28
LEGEND 1 SINE CURVE
LEGEND 2 COSINE CURVE
CH A B
LEGEND 1 COORDINATES A B
CH C D
LEGEND 2 COORDINATES C D
PLOT SIN(X) FOR X = 0 0.01 6.28 AND
PLOT COS(X) FOR X = 0 0.01 6.28
```