

## X2PLOT

### PURPOSE

An internal variable into which the second horizontal axis coordinates of the most recent plot are stored.

### DESCRIPTION

Whenever DATAPLOT generates a plot, it saves the horizontal and vertical coordinates of each point plotted in the internal variables XPLOT and YPLOT. For 3d plots, it stores the second horizontal axis coordinates in the variable X2PLOT. The coordinates are saved in the units of the data, not in the DATAPLOT 0 to 100 coordinates. These variables can be used in any way that a user created variable can.

### SYNTAX

None

### EXAMPLES

```
3D-PLOT F FOR X = -2 0.1 2 FOR Y = -2 0.1 2
LET X1 = XPLOT
LET Y1 = YPLOT
LET X2 = X2PLOT
LET TAG = TAGPLOT
```

### DEFAULT

None

### SYNONYMS

None

### RELATED COMMANDS

TAGPLOT	=	An internal variable that contains the trace identifier of the points from the most recent plot.
YPLOT	=	An internal variable that contains the vertical coordinates from the most recent plot.
XPLOT	=	An internal variable that contains the horizontal coordinates from the most recent plot.
PLOT	=	Generate a data of function plot.
3D-PLOT	=	Generate a 3d data or function plot.

### APPLICATIONS

Plotting

### IMPLEMENTATION DATE

Pre-1987

### PROGRAM

```
3D-PLOT X**2 + Y**2 FOR X = -3 1 3 FOR Y = -3 1 3
PRINT XPLOT X2PLOT YPLOT TAGPLOT
```