3DFRAME

PURPOSE

Specifies the type of frame to draw for a 3d plot.

DESCRIPTION

DATAPLOT offers the following choices for drawing the frame on a 3d plot:

OFF	-	no 3d frame is drawn;
3PRONG	-	the 3 axes lines are drawn (from their minimums to their maximums) from a common origin;
3PLANE	-	the xz and yz planes are drawn;
BOX	-	a cube is drawn (from the minimum to the maximum in each direction);
ZIGZAG	-	similar to 3PRONG, but the axes are not drawn from a common origin;
?	-	print the current setting and the available settings.

SYNTAX

3DFRAME <style>
where <style> is OFF, 3PRONG, 3PLANE, BOX, ZIGZAG, or ? as described above.

EXAMPLES

3DFRAME OFF
3DFRAME 3PLANE
3DFRAME 3PRONG
3DFRAME ZIGZAG

NOTE

At this time, the axes are not drawn with tic marks or tic mark labels.

DEFAULT

No 3d frame is drawn.

SYNONYMS

3DFRAME NONE is a synonym for 3DFRAME OFF and 3DFRAME CUBE is a synonym for 3DFRAME BOX.

RELATED COMMANDS

EYE COORDINATES	=	Specifies the eye coordinates for a 3d plot.
3D-PLOT	=	Generates a 3-d data or function plot.
ROTATE EYE	=	Automatically rotate the eye coordinates.

APPLICATIONS

3-d plotting

IMPLEMENTATION DATE

93/10

PROGRAM

```
LET FUNCTION E = -0.5*((X**2)+(Y**2))
LET FUNCTION F = (1/(2*PI))*EXP(E)
MULTIPLOT 2 2; MULTIPLOT CORNER COORDINATES 0 0 100 100
TITLE SIZE 5
.
TITLE 3D FRAME 3PRONG
3DFRAME 3PRONG
3D-PLOT F FOR X = -2 .2 2 FOR Y = -2 .1 2
.
TITLE 3D FRAME 3PLANE
3DFRAME 3PLANE
3D-PLOT F FOR X = -2 .2 2 FOR Y = -2 .1 2
.
TITLE 3D FRAME BOX
3DFRAME BOX
3D-PLOT F FOR X = -2 .2 2 FOR Y = -2 .1 2
.
TITLE 3D FRAME ZIGZAG
3DFRAME ZIGZAG
3D-PLOT F FOR X = -2 .2 2 FOR Y = -2 .1 2
END OF MULTIPLOT
```