ELLIPSE

PURPOSE
Draws an ellipse.

DESCRIPTION
The 3 pairs of coordinates define the (x,y) values for one major diameter endpoint, one minor diameter endpoint, and the other major diameter endpoint (respectively) of the ellipse.

SYNTAX
ELLIPSE <x1> <y1> <x2> <y2> <x3> <y3>

where <x1> is a number or parameter in the range 0 to 100 that specifies the x coordinate for one major diameter endpoint of the ellipse;

       <y1> is a number or parameter in the range 0 to 100 that specifies the y coordinate for one major diameter endpoint of the ellipse;

       <x2> is a number or parameter in the range 0 to 100 that specifies the x coordinate for one minor diameter endpoint of the ellipse;

       <y2> is a number or parameter in the range 0 to 100 that specifies the y coordinate for one minor diameter endpoint of the ellipse;

       <x3> is a number or parameter in the range 0 to 100 that specifies the x coordinate for the other major diameter endpoint of the ellipse;

and   <y3> is a number or parameter in the range 0 to 100 that specifies the y coordinate for the other major diameter endpoint of the ellipse.

EXAMPLES
ELLIPSE 30 50 50 40 70 50
ELLIPSE 30 30 50 40 70 70
ELLIPSE 20 70 30 50 40 70
ELLIPSE X1 Y1 X2 Y2 X3 Y3
ELLIPSE 50 50 X2 Y2 70 50

NOTE
The line style (i.e., SOLID, DASH), line color, and line thickness of the ellipse are dictated by the first entry of the LINE, LINE COLOR, and LINE THICKNESS commands respectively. The REGION FILL command can be used to generate a solid filled ellipse while the REGION PATTERN command can be used to generate a cross hatch filled ellipse.

DEFAULT
None

SYNONYMS
None

RELATED COMMANDS

ARROW	=	Draws an arrow.
TRIANGLE	=	Draws a triangle.
BOX	=	Draws a box.
HEXAGON	=	Draws a hexagon.
CIRCLE	=	Draws a circle.
SEMI-CIRCLE	=	Draws a semi-circle.
ARC	=	Draws an arc.
ELLIPSE	=	Draws an ellipse.
OVAL	=	Draws an oval.
DIAMOND	=	Draws a diamond.
DRAW	=	Draws a line.
MOVE	=	Moves to a point.
LINE	=	Sets the line type for figures and plot lines.
LINE THICKNESS	=	Sets the line thickness for figures and plot lines.
LINE COLOR	=	Sets the line colors for figures and plot lines.
CROSS-HAIR	=	Activates and reads the cross-hair.
TEXT	=	Writes a text string.

APPLICATIONS
Presentation graphics

IMPLEMENTATION DATE
Pre-1987

PROGRAM
ELLIPSE 10 20 15 10 20 20
ELLIPSE 60 30 70 10 80 30
THICKNESS 0.7
ELLIPSE 10 40 15 30 20 40
THICKNESS 0.2
LINE DASH
ELLIPSE 10 60 15 55 20 60
LINE SOLID
LINE COLOR G50
ELLIPSE 10 90 15 80 20 90
LINE COLOR BLACK
REGION FILL ON
ELLIPSE 30 35 32.5 30 35 35
REGION FILL COLOR G50
ELLIPSE 40 60 50 40 60 60
REGION FILL COLOR BLACK
REGION PATTERN D1D2
ELLIPSE 60 80 70 60 80 80