

ARC

PURPOSE

Draws an arc.

DESCRIPTION

The 3 pairs of coordinates define the (x,y) values for the start point, an internal point, and the end point (respectively) of the arc.

SYNTAX

ARC <x1> <y1> <x2> <y2> <x3> <y3>

where <x1> is a number or parameter in the decimal range 0 to 100 that specifies the x coordinate for the start point of the arc;

<y1> is a number or parameter in the decimal range 0 to 100 that specifies the y coordinate for the start point of the arc;

<x2> is a number or parameter in the decimal range 0 to 100 that specifies the x coordinate for the internal point of the arc;

<y2> is a number or parameter in the decimal range 0 to 100 that specifies the y coordinate for the internal point of the arc;

<x3> is a number or parameter in the decimal range 0 to 100 that specifies the stop point of the arc;

and <y3> is a number or parameter in the decimal range 0 to 100 that specifies the stop point of the arc.

EXAMPLES

ARC 30 50 50 40 70 50

ARC 30 30 50 40 70 70

ARC X1 Y1 X2 Y2 X3 Y3

ARC 50 50 X2 Y2 70 50

NOTE

The line style (i.e., solid, dash), color, and thickness of the arc are controlled by the LINE, LINE COLOR, and LINE THICKNESS commands. These commands are documented in the Plot Control chapter.

DEFAULT

None

SYNONYMS

None

RELATED COMMANDS

POINT	=	Draws a point.
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.
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

```
LINE DASH  
LINE COLOR BLACK  
LINE THICKNESS 0.2  
ARC 30 50 50 40 70 50  
MOVE 30 55  
TEXT ARC COORDINATES (30,50), (50,40), (70,50)
```

