

## ARROW ... THICKNESS

### PURPOSE

Specifies the thicknesses for arrows to appear on subsequent plots (as specified via the ARROW ... COORDINATES command) or arrows generated by the ARROW command. Up to 100 arrows can be specified with the ARROW ... COORDINATES command.

### DESCRIPTION

The line thickness applies to both the head and the shaft of the arrow. Typical values for the thickness are between 0.1 (the default) and 0.3.

### SYNTAX

ARROW <id> THICKNESS <thickness>

where <id> is an integer number or parameter in the range 1 to 100 that specifies the arrow identifier;

and <thickness> is a decimal number or parameter in the range 0 to 100 that specifies the desired line thickness.

### EXAMPLES

ARROW 2 THICKNESS 0.2

ARROW 2 THICKNESS 0.1

### NOTE 1

You can use the ARROW COORDINATES command to place arrows on subsequent plots or you can use the ARROW command to draw one arrow immediately. The ARROW THICKNESS command is used to specify the thickness of the arrow in either case. When the ARROW command is used, the thickness is set to the thickness of the first arrow (i.e., <id> is 1).

### NOTE 2

An ARROW ... THICKNESS command with no arguments sets the arrow thickness to default. Thus ARROW 1 THICKNESS with no arguments sets the thickness for arrow 1 to default. An ARROW ... THICKNESS command with no <id> refers to all 100 arrows. Thus ARROW THICKNESS 0.1 assigns the thickness 0.1 to all 100 arrows. ARROW THICKNESS with no <id> and no arguments sets the thickness to default for all 100 arrows.

### DEFAULT

All arrows are drawn with a line width of 0.1.

### SYNONYMS

None

### RELATED COMMANDS

PLOT	=	Generates a data or function plot.
ARROW	=	Draw an arrow.
ARROW COORDINATES	=	Sets location of plot arrows.
ARROW PATTERN	=	Sets the line style for plot arrows.
ARROW COLOR	=	Sets colors of plot arrows.
LINE THICKNESS	=	Sets the thickness for plot lines.

### APPLICATIONS

Presentation Graphics

### IMPLEMENTATION DATE

Pre-1987

## PROGRAM

```
LET X = DATA 1 2 3 4 5 6 7 8 9 10
LET Y = DATA 2 4 60 7 9 12 14 15 18 20
.
XLIMITS 1 10
XTIC OFFSET 1 1
YLIMITS 0 60
YTIC OFFSET 0 5
.
ARROW 1 COORDINATES 45 87 36 85
ARROW 1 THICKNESS 0.3
ARROW 2 COORDINATES 71 46 78 45
ARROW 2 THICKNESS 0.2
.
LEGEND 1 OUTLIER
LEGEND 2 LAST POINT
LEGEND 1 COORDINATES 47 86
LEGEND 2 COORDINATES 69 45
LEGEND 2 JUSTIFICATION RIGHT
TITLE AUTOMATIC
TITLE SIZE 5
.
PLOT Y X
```

