

**... GRID THICKNESS****PURPOSE**

Specifies the thickness of the grid lines on subsequent plots.

**DESCRIPTION**

The analyst can independently control the thickness of the horizontal and vertical grid lines by specifying the prefix in the command. The thickness is specified in vertical DATAPLOT 0 to 100 units and typically has a value between 0.05 and 0.3.

**SYNTAX**

<prefix>GRID THICKNESS <thickness>

where <prefix> is as follows:

|              |                             |
|--------------|-----------------------------|
| no prefix    | refers to both grid lines;  |
| the prefix X | refers to vertical grids;   |
| the prefix Y | refers to horizontal grids; |

and <thickness> is a number or parameter that specifies the desired line thickness.

**EXAMPLES**

```
GRID THICKNESS 0.1
GRID THICKNESS 0.2
XGRID THICKNESS 0.2
YGRID THICKNESS 0.1
```

**NOTE**

The GRID THICKNESS command with no arguments reverts the grid thickness to default.

**DEFAULT**

The default is 0.1 (but the default is for the grid lines themselves to be off.)

**SYNONYMS**

None

**RELATED COMMANDS**

|                  |   |   |
|------------------|---|---|
| GRID             | = | Sets the on/off switch for the plot grid.       |
| GRID COLOR       | = | Sets the color for the plot grid.               |
| GRID PATTERN     | = | Sets the line type for the plot grid.           |
| GMINOR           | = | Sets the on/off switch for the plot minor grid. |
| PLOT             | = | Generates a data or function plot.              |
| FRAME THICKNESS  | = | Sets the thickness for the plot frame.          |
| TITLE THICKNESS  | = | Sets the thicknesses for the plot title.        |
| LABEL THICKNESS  | = | Sets the thicknesses for the plot labels.       |
| LEGEND THICKNESS | = | Sets the thicknesses for the plot legends.      |

**APPLICATIONS**

Presentation Graphics

**IMPLEMENTATION DATE**

Pre-1987

PROGRAM

```
LET LEAD = DATA ...
    164 426 59 98 312 263 607 497 213 54 160 262 547 325 419 94 70
LET POT = DATA ...
    106 175 61 79 94 121 424 328 107 218 140 179 246 231 245 339 99
```

```
.
TITLE DEMONSTRATE GRID THICKNESS COMMAND
TITLE SIZE 5
GRID ON
XGRID THICKNESS 0.3
YGRID THICKNESS 0.1
XILABEL LEAD
YILABEL POTASSIUM
CHARACTER CIRCLE
CHARACTER SIZE 1.5
LINE BLANK ALL
PLOT POT VS LEAD
```

