

**LEGEND ... ANGLE****PURPOSE**

Specifies the angle of the legends to appear on subsequent plots.

**DESCRIPTION**

The legends are the text which the analyst can position anywhere (via the LEGEND ... COORDINATES command) on a plot. The legends appear on all subsequent plots until blanked out (via a LEGEND command with no arguments) or until overridden with new legends. 100 such legends can be specified. The legend angles hold for all subsequent plots until defaulted (via the LEGEND ... ANGLE command with no arguments) or until overridden with new legend angles.

**SYNTAX**

LEGEND <id> ANGLE <angle>

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

and <angle> is a decimal number or parameter that specifies the desired legend angle.

**EXAMPLES**

LEGEND 1 ANGLE 90.

LEGEND 2 ANGLE 45.

LEGEND 1 ANGLE

LEGEND ANGLE

**NOTE 1**

A LEGEND ... ANGLE command with no angle reverts the angle to default. Thus LEGEND 1 ANGLE with no angle reverts the angle of legend 1 to default. A LEGEND ... ANGLE command with no <id> refers to all 100 labels. Thus LEGEND ANGLE 90 assigns the angle 90 to all 100 labels. LABEL ANGLE with no <id> and no angle reverts all 100 labels to the default angle.

**NOTE 2**

This command only applies if the legend is drawn with a software font (e.g., SIMPLEX). The LEGEND DIRECTION command can be used to set either horizontal or vertical text strings when the legend is drawn with hardware characters.

**DEFAULT**

All legend angles are 0 (i.e., horizontal).

**SYNONYMS**

None

**RELATED COMMANDS**

PLOT	=	Generates a data or function plot.
LEGEND	=	Specify the legends for subsequent plots.
LEGEND CASE	=	Sets the plot legend cases.
LEGEND COLOR	=	Sets the plot legend colors.
LEGEND COORDINATES	=	Sets the plot legend locations.
LEGEND DIRECTION	=	Sets the plot legend directions.
LEGEND FONT	=	Sets the plot legend fonts.
LEGEND HW	=	Sets the plot legend heights and widths.
LEGEND JUSTIFICATION	=	Sets the plot legend justifications.
LEGEND SIZES	=	Sets the plot legend sizes.
LEGEND THICKNESS	=	Sets the plot legend line thicknesses.

**APPLICATIONS**

Plot labeling and identification, presentation graphics

**IMPLEMENTATION DATE**

89/2

PROGRAM

```

LET ID2 = DATA 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2
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
.
CHARACTER X1 X2 Y1 Y2
LINE BLANK ALL
ANGLE UNITS DEGREES
LEGEND FONT DUPLEX
LEGEND 1 Y - LEAD
LEGEND 2 X - POTASSIUM
LEGEND 1 ANGLE 45
LEGEND 2 ANGLE -45
TITLE DEMONSTRATE LEGEND ANGLE COMMAND
TITLE SIZE 5
LET X = SEQUENCE 1 1 17
PLOT POT X ID2 AND
PLOT LEAD X ID2
    
```

