LEGEND ... THICKNESS

PURPOSE

Specifies the thickness 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 thickness is specified in vertical DATAPLOT 0 to 100 units. Values between 0.05 and 0.3 are the most common. The legend thicknesses hold for all subsequent plots until defaulted (via the LEGEND ... THICKNESS command with no arguments) or until overridden with new legend thicknesses.

SYNTAX

LEGEND <id> THICKNESS <thick>

where <id> is an integer number or parameter in the range 1 to 100 that specifies the legend identifier;
and   <thick> is a decimal number or parameter in the range 0 to 100 that specifies the desired legend line thickness.

EXAMPLES

LEGEND 1 THICKNESS 0.2
LEGEND 2 THICKNESS 0.1
LEGEND 1 THICKNESS
LEGEND THICKNESS

NOTE 1

A LEGEND ... THICKNESS command with no thickness reverts the thickness to the default. Thus LEGEND 1 THICKNESS with no thickness reverts the thickness of legend 1 to the default. A LEGEND ... THICKNESS command with no <id> refers to all 100 legends. Thus LEGEND THICKNESS 0.2 assigns the thickness 0.2 to all 100 legends. LEGEND THICKNESS with no <id> and no thickness reverts all 100 legends to the default thickness.

NOTE 2

The thickness only applies if the legend is drawn with a software font (e.g., SIMPLEX). It can be effectively used in combination with a software font to produce bolder text (e.g., SIMPLEX font with thickness 0.2 can produce attractive text for transparencies).

DEFAULT

All legend thicknesses are 0.1.

SYNONYMS

None

RELATED COMMANDS

PLOT	=	Generates a data or function plot.
LEGEND	=	Specify the legends for subsequent plots.
LEGEND ANGLE	=	Sets the plot legend angles.
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.

APPLICATIONS

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 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
        LEGEND FONT DUPLEX
        LEGEND 1 X - POTASSIUM
        LEGEND 2 Y - LEAD
        LEGEND 1 THICKNESS 0.1
        LEGEND 2 THICKNESS 0.3
        .
        TITLE DEMONSTRATE LEGEND THICKNESS
        TITLE SIZE 5
        LET X = SEQUENCE 1 1 17
        PLOT POT X ID2 AND
        PLOT LEAD X ID2