

... LABEL FONT**PURPOSE**

Specifies the font of the labels to appear on subsequent plots. See the documentation for the FONT command in the Diagrammatics Graphics chapter for a complete discussion of fonts in DATAPLOT and for a sample of each available font.

DESCRIPTION

The labels are the text which appear below the bottom horizontal frame line and outside of the vertical frame lines. They typically define the variables/axes which are being plotted. The label fonts hold for all subsequent plots until defaulted (via the ...LABEL FONT command with no arguments) or until overridden with new label fonts. The analyst can define fonts for all 5 plot labels:

1. 3 below the bottom horizontal frame line;
2. 1 to the left of the left vertical frame line;
3. 1 to the right of the right vertical frame line.

SYNTAX

<prefix>LABEL FONT

where <prefix> is one of the following:

X or X1	refers to the first horizontal label;
X2	refers to the second horizontal label;
X3	refers to the third horizontal label;
Y1	refers to the left vertical label;
Y2	refers to the right vertical label;
Y	refers to the left and right vertical labels;
no prefix	refers to all 5 axis labels;

and is a string that specifies the desired font (TEKTRONIX, SIMPLEX, DUPLEX, COMPLEX, TRIPLEX, ITALIC, COMPLEX SCRIPT, TRIPLEX ITALIC, COMPLEX SCRIPT, SIMPLEX SCRIPT).

EXAMPLES

```
Y1LABEL FONT SIMPLEX
Y2LABEL FONT DUPLEX
LABEL FONT TRIPLEX
LABEL FONT COMPLEX
```

NOTE 1

A ...LABEL FONT command with no arguments reverts the font to default. Thus X1LABEL FONT with no arguments reverts the first horizontal axis label to default. A ...LABEL FONT command with no prefix refers to all 5 labels. Thus LABEL FONT SIMPLEX assigns the font SIMPLEX to all 5 labels. LABEL FONT with no prefix and no arguments reverts all 5 labels to default.

NOTE 2

The FONT command sets the default font. The LABEL FONT command is used to override the default font for the labels only.

DEFAULT

All label fonts are TEKTRONIX (i.e., hardware characters).

SYNONYMS

None

RELATED COMMANDS

PLOT	=	Generates a data or function plot.
LABEL	=	Specifies the labels for the plot axes.
LABEL AUTOMATIC	=	Sets automatically generated labels.
LABEL CASE	=	Sets the case (upper/lower) for labels.
LABEL COLOR	=	Sets the color for plot labels.
LABEL DISPLACEMENT	=	Sets the distance from the frame to the labels.
LABEL SIZE	=	Sets the size (height) for plot labels.
LABEL THICKNESS	=	Sets the line thickness for plot labels.
FONT	=	Sets the default font.

TEXT FONT = Sets the font for text strings.
TITLE FONT = Sets the font for the plot title.
LEGEND FONT = Sets the font for the plot legends.

APPLICATIONS

Presentation Graphics

IMPLEMENTATION DATE

89/2

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 LABEL FONT  
TITLE SIZE 5  
XILABEL LEAD  
YILABEL POTASSIUM  
XLABEL FONT SIMPLEX  
YLABEL FONT COMPLEX  
CHARACTER CIRCLE; CHARACTER SIZE 1.5  
LINE BLANK ALL  
PLOT POT VS LEAD
```

