# TITLE SIZE

## PURPOSE
Specifies the size (height) of the title to appear on subsequent plots.

## DESCRIPTION
The title is the text which appears above the top horizontal frame line. The height is specified in vertical DATAPLOT 0 to 100 units. The width of the character is automatically set to one half the character height. The title size holds for all subsequent plots until defaulted (via the TITLE SIZE command with no arguments) or overridden with new title sizes.

## SYNTAX
TITLE SIZE <size>

where <size> is a number or parameter in the range 0 to 100 that specifies the desired character size.

## EXAMPLES
TITLE SIZE 3
TITLE SIZE 5
TITLE SIZE 1.5
TITLE SIZE A

## NOTE 1
Hardware generated characters are often restricted to a few specific sizes. DATAPLOT maps the requested size to the closest hardware supported size.

## NOTE 2
The default character size is adequate in most cases. However, when using the MULTIPLOT or WINDOW COORDINATES commands, it may be desirable to increase the size since these commands create a new 0 to 100 coordinate system based on a reduced area of the graphics device.

## DEFAULT
The title size is 2.

## SYNONYMS
None

## RELATED COMMANDS
| | | |
|---|---|---|
| TITLE | = | Sets the plot title. |
| TITLE AUTOMATIC | = | Specifies automatically generated titles. |
| TITLE CASE | = | Sets the title case (upper/lower/asis). |
| TITLE COLOR | = | Sets the title color. |
| TITLE DISPLACEMENT | = | Sets the distance from the frame to the title. |
| TITLE FONT | = | Sets the title font. |
| TITLE THICKNESS | = | Sets the title thickness. |
| PLOT | = | Generates a data or function plot. |

## APPLICATIONS
Multi-plotting, presentation graphics

## IMPLEMENTATION DATE
Pre-1987

PROGRAM
```
LET THETA = SEQUENCE 0 1 380
LET X = SIN(THETA)
MULTIPLOT 3 4
MULTIPLOT CORNER COORDINATES 0 0 100 100
FEEDBACK OFF
FRAME OFF
PRE-SORT OFF
TITLE SIZE 5
TITLE DISPLACEMENT 2
TITLE SIN(K*THETA) VS SIN(THETA)
LABEL SIZE 3
LOOP FOR K = .1 .1 1.2
     LET Y=SIN(K*THETA)
     X1LABEL K = ^K
     PLOT Y X
END OF LOOP
END OF MULTIPLOT
```