PI

PURPOSE
An internal DATAPLOT parameter which has the value 3.1415926.

DESCRIPTION
This parameter is automatically provided and can be used like any other parameter.

SYNTAX
None

EXAMPLES
PLOT SIN(PI*X) FOR X = 0 .1 2
LET Y2 = (1/SQRT(2*PI))*EXP(0.5*X**2)

NOTE
When PI is used in a FIT, as in
FIT Y = A+B*SIN(OMEGA*PI*T)
then DATAPLOT tries to fit PI as a parameter to the model. In this case, PI needs to be entered as a constant. That is,
FIT Y = A+B*SIN(OMEGA*3.1415926*T)

DEFAULT
None

SYNONYMS
None

RELATED COMMANDS
INFINITY = Built-in parameter with the value machine infinity.

APPLICATIONS
Mathematical computations

IMPLEMENTATION DATE
Pre-1987

PROGRAM
LET CRUDE = 22/7
LET DEL = PI-CRUDE
PRINT PI CRUDE DEL