

**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

$$\text{FIT } Y = A + B * \sin(\text{OMEGA} * \text{PI} * T)$$

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,

$$\text{FIT } Y = A + B * \sin(\text{OMEGA} * 3.1415926 * T)$$
**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
```