Command FPOLYNOMIAL

PURPOSE Specify a polynomial as fit function.

PARAMETERS

ORDER	Order of the basic polynomial, default 0.
/SQRT	The square root of the basic polynomial is extracted.
/EXP(m)	The basic polynomial is multiplied by the exponential function of a polynomial of order m (without a constant term).

REMARKS Function and fit parameter indices are defined by the following expressions.

Polynomial (optionally square root radicand):
$f(x) = a_1 + a_2 \cdot x + \ldots + a_{n+1} \cdot x^n$

Polynomial multiplied by an exponential:
$g(x) = f(x) \cdot \exp(a_{n+2} \cdot x + \ldots + a_{n+m+1} \cdot x^n$

EXAMPLE FPOL 2
Specify the fit function
$f(x) = a_1 + a_2 \cdot x + a_3 \cdot x^2$

FPOL 1 / S E(1)
The specified fit function reads
$f(x) = (a_1 + a_2 \cdot x) \cdot \exp(a_3 \cdot x))^{1/2}$