Command	FLEGENDRE
PURPOSE	Specify a series of Legendre polynomials as fit functions.
PARAMETERS	
ORDER	Highest order of polynomial
/DEG	The Legendre polynomials $P(\cos x)$ are calculated with x values representing angles in degrees.
/KAD	representing angles in radian. If neither "DEG" nor "RAD" are specified, the Legendre polynomials
/EVEN	The series consists of even polynomials only.
/ODD	Only odd terms (including a constant term) are fitted.
/NORM	The series is normalized, i.e. absolute and relative magnitude of the coefficients are separated.
REMARKS	Definition of functions and fit parameter indices are evident from the following expressions:
	Series including all terms: $f(x) = a_1 + a_2 \cdot P_1(x) + a_3 \cdot P_2(x) + \dots$
	Even polynomials only: $f(x) = a_1 + a_2 \cdot P_2(x) + a_3 \cdot P_4(x) + \dots$
	Odd polynomials only: $f(x) = a_1 + a_2 \cdot P_1(x) + a_3 \cdot P_3(x) + \dots$
	Normalized series: $f(x) = a1 \cdot (1 + a_2 \cdot P_1(x) +)$
	In case DEG or RAD are specified, $P_l(x)$ is to be replaced by $P_l(\cos x)$.
	Fit parameters are initially set to zero.
EXAMPLE	FLEG 2
	Define the fit function $\mathbf{P}(\mathbf{x}) = \mathbf{P}(\mathbf{x})$
	$f(x) = a_1 + a_2 \cdot P_1(x) + a_3 \cdot P_2(x) = a_1 + a_2 \cdot x + a_3 \cdot (3x^2 - 1)/2$
	FLEG 4 / E N D The specified fit function reads
	The specified in function reads $f(x) = a_1 \cdot (1 + a_2 \cdot P_2(\cos x) + a_2 \cdot P_4(\cos x))$
	with x interpreted as angle in degrees.