Command	FAREA

PURPOSE   Define values and attributes of peak areas

PARAMETERS

PEAKS	List of peak numbers. Each list element may have the syntax "a TO z BY s" with optional parameters z and s; default step size is s = 1.
/FIX	The specified peak areas are **fixed**. They are held constant during iterations.
/DIFF(p)	The specified peak areas are **relatively fixed**. The differences of the areas of the corresponding peaks and reference peak number p are held constant during iterations.
/SUM(p)	The specified peak areas are **relatively fixed**. The sums of the areas of the corresponding peaks and reference peak number p are held constant during iterations.
/PRODUCT(p)	The specified peak areas are **relatively fixed**. The products of the areas of the corresponding peaks and reference peak number p are held constant during iterations.
/QUOTIENT(p)	The specified peak areas are **relatively fixed**. The quotients of the areas of the corresponding peaks and reference peak number p are held constant during iterations.
/VARY	Concerned peak areas are to **vary** again.
/EON	A special error analysis is demanded.
/EOFF	Reset error analysis flag.
/GUESS(g)	Guess values for the peak areas. The list may contain both numbers and global parameter names.
	General values are assigned to the denoted parameters in the order of appearance (arrays with the rightmost subscripts varying most rapidly.) However, if the list consists of a single one-dimensional array (or array cross section) with asterisk notation (one subscript substituted by '*'), array elements corresponding to the specified peak numbers are selected and assigned accordingly.
	If only a single value is given, it is assigned to each specified parameter.
/RELATIVE	This keyword specifies the interpretation of the guess values. For relatively fixed peak areas the guess values are expected to represent a difference, sum or quotient with respect to the corresponding reference peak parameters; for others the keyword is ignored and the guess values are taken absolute.
/MIN(m)	List of lower limits which must not exceed the current values of peak areas. For details see keyword "/GUESS"
/NOLIM	Limits of the specified areas are set to infinity unless nominated by MIN or MAX.
/LIST	List the current guess values and limits of the specified peak areas.

REMARKS   Together with "FPOS" and "FWIDTH" this command provides a more comfortable way of specifying attributes of (Gaussian or Lorentzian) peak parameters than the command "FPAR" does, since fit parameters are addressed by peak numbers instead of internal serials.
The fit function is evaluated with the current guess values and may be displayed by "FDISP" or listed by "FLIST" and "FRESULT".

EXAMPLE   FAREA 1 / S(2) G(10000) R

Fix the sum of the areas of peaks no. 1 and 2 to 10000. The guess value assigned to the area of peak no. 1 is given by the difference of 10000 and the actual value of the area of peak no. 2.

For further examples see command "FPAR".