

SUBROUTINE ORESET

Description

This subroutine changes the parameter values in the P array to the values determined by the OPT routine. Parameter values for other affected operations are also computed.

Calling Sequence

CALL ORESET (P, MP, OA, MOA, LEFTOA, A, MA, IZY, ILOCOA, MILOC, NPARM, NCOUN, NN, IBEST, POLD, IPMOVE, IERROR)

Argument List

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
P	Both	R	MP	The entire P array
MP	Input	I	1	The dimension of the P array
OA	Input	R	MOA	The entire OA array. Contains the information for each of the parameters to be optimized
MOA	Input	I	1	Dimension of the OA array
LEFTOA	Input	I	1	Space remaining in the OA array
A	Both	R	MA	The array containing the initial values of the parameters to be optimized
MA	Input	I	1	Dimension of the A array
IZY			1	Not referenced
ILOCOA	Input	I	MILOC	An integer array containing pointers to the beginning of the OA array for each parameter
MILOC	Input	I	1	Dimension of the ILOCOA array
NPARM	Input	I	1	Number of parameters to be optimized
NCOUN	Input	I	1	Number of trials for the pattern search option
NN	Input	I	1	Number of trials for the pattern search option
IBEST (IFINSH)	Input	I	1	Search completion flag for the pattern search and adaptive random search options 1 = complete-terminate 0 = not complete
POLD	Input	R	MP	Copy of the entire P array which holds the original parameter values
IPMOVE			1	Not referenced
IERROR	Both	I	1	Error flag signalling when space has been used up in OA array 0 = space available 1 = no space available