

SUBROUTINE OSCEUA

Description

This subroutine performs the shuffled complex evolution global optimization scheme.

Calling Sequence

CALL OSCEUA (A, MA, IEND, IPASS1, OA, MOA, ILOCOA, MILOC, NPARM)

Argument List

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
A	Both	R	MA	Array containing values of the parameters to be optimized. This array is updated no more than MAXN times.
MA	Input	I	1	Dimension of the A array
IEND	Both	I	1	Search completion flag for the shuffled complex evolution search option 1 = complete-terminate OPT3 0 = not complete
IPASS1	Input	I	1	Indicates first pass or subsequent pass through OPT 1 = first pass 0 = subsequent pass
OA	Input	R	MOA	The entire OA array. Contains the information for each of the parameters being optimized.
MOA	Input	I	1	Dimension of the OA array
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 OA array
NPARM	Input	I	1	Number of the parameters to be optimized