

COMMON BLOCK NAME: OPSCE

Purpose

Sets Parameters for shuffled complex evolution algorithm.

Size

10 words

Description of Variables

<u>Variable</u>	<u>Type</u>	<u>Dimension</u>	<u>Word Position</u>	<u>Description</u>
NGS	I*4	1	1	Number of complexes in the initial population.
NPG	I*4	1	2	Number of points in each complex.
NPS	I*4	1	3	Number of points in a sub-complex.
NSPL	I*4	1	4	Number of sub-complexes per loop.
NPT	I*4	1	5	Initial Random Sample population size.
MINGS	I*4	1	6	Minimum number of complexes maintained in a population after complex reduction.
ISEED	I*4	1	7	Seed for generating random number.
IDEFLT	I*4	1	8	Algorithm parameter control flag. = 1, user specified = else, default values
INIFLG	I*4	1	9	Flag to include initial point in population. = 0, not included = 1, included
IPRINT	I*4	1	10	Flag for printout of each shuffling loop = 0, Print information on the best point of the population = 1, Print information on every point of the population.