

SUBROUTINE POINT

Description

This subroutine computes new parameter values for the current trial

Calling Sequence

CALL POINT (N, XS, XN, ISEED, K, BL, BU, VAR)

Argument List

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
N	Input	I	1	Number of the parameters to be optimized
XS (XOPT)	Input	R	16	Array containing the best parameter set from the previous cycle. This set comprises the point on the response surface where the next cycle will begin.
XN	Both	R	16	Array containing the parameter set associated with the current trial
ISEED	Both	I	1	Seed value for the random number generator
K	Input	I	1	Current range level
BL	Input	R	1	Lower boundary of parameter
BU	Input	R	1	Upper boundary of parameter
VAR	Input	R	(16,5)	Array containing the ranges for each parameter at each K level