

SUBROUTINE OPTMN

Description

This subroutine is the main controlling subroutine for the automatic parameter optimization program.

Calling Sequence

CALL OPTMN (TS, MTS, P, MP, C, MC, T, MT, D, MD, OA, MOA, POLD, COLD)

Argument List

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
TS	Output	R	MTS	The entire TS array
MTS	Input	I	1	Dimension of the TS array
P	Output	R	MP	The entire P array
MP	Input	I	1	Dimension of the P array
C	Output	R	MC	The entire C array
MC	Input	I	1	Dimension of the C array
T	Output	I	MT	The entire T array
MT	Input	I	1	Dimension of the T array
D	Output	R	MD	The entire D array
MD	Input	I	1	Dimension of the D array
OA	Output	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
POLD	Output	R	MP	Copy of the entire P array which holds the original parameter values
COLD	Output	R	MC	Copy of the entire C array which holds the original values of the state variables