

VIII.3.3-RES-SNGL-S-F3WAYY SUBROUTINE F3WAYY

Description

Subroutine F3WAYY interpolates the Y value in a three-way relation where YY (ordinate values) and ZZ (parameter values) are single arrays and XX (abscissa values) are in a double array.

Calling Sequence

CALL F3WAYY (X,Y,Z,XX,YY,ZZ,NY,NZ,IBUG)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
X	Input	R*4	1	Known abscissa value
Y	Output	R*4	1	Unknown ordinate value to be computed
Z	Input	R*4	1	Known parameter value
XX	Input	R*4	NZ*NY	Double array of abscissa values with dimensions of (NZ,NY)
YY	Input	R*4	NY	Single array of ordinate values; YY values are the same for all parameter (ZZ) curves
ZZ	Input	R*4	NZ	Single array of parameter values; each ZZ curve is defined by the YY values and one set of the XX values
NY	Input	I*4	1	Number of values in the YY array
NZ	Input	I*4	1	Number of values in the ZZ array
IBUG	Input	I*4	1	Debug indicator: 0 = no trace or debug 1 = trace only 2 = trace and debug