

VIII.3.3-RES-SNGL-S-TERP26 SUBROUTINE TERP26

Description

Subroutine TERP26 linearly interpolates between two points on a curve or linearly extrapolates beyond the last point on the curve.

Calling Sequence

SUBROUTINE TERP26 (X,Y,XA,YA,N,IFLAG,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	Ordinate value to be computed
XA	Input	R*4	N	Array of abscissa values that define the X values on the curve
YA	Input	R*4	N	Array of ordinate values that define the Y values on the curve
N	Input	I*4	1	Number of pairs of XA and YA values
IFLAG	Output	I*4	1	Indicates if X value is: 0 = within range of XA values -1 = below lowest XA value 1 = above highest XA value
IBUG	Input	I*4	1	Debug indicator: 0 = no trace or debug 1 = trace only 2 = trace and debug