

IX.3.3B-SYSTEM-FXTRPL SUBROUTINE FXTRPL

Description

Subroutine FXTRPL computes the discharge (stage) associated with a given stage (discharge) that lies beyond the range (above or below the endpoints) of the Rating Curve by logarithmically extending the Rating Curve.

Calling Sequence

CALL FXTRPL (X,XVECT,N1,YVECT,Y,IBUG)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
X	Input	R*4	1	Stage (ICONV=1) or discharge (ICONV=2) to be converted
XVECT	Input	R*4	*	Rating Curve stage (ICONV=1) or discharge (ICONV=2) array
N1	Input	I*4	1	Location in XVECT and YVECT of last defined point on the Rating Curve in the direction of the extension: 1 = lower end extension >1 = upper end extension
YVECT	Input	R*4	*	Rating Curve discharge (ICONV=1) or stage (ICONV=2) array
Y	Output	R*4	1	Computed discharge (ICONV=1) or stage (ICONV=2) associated with the given input value
IBUG	Input	I*4	1	Debug print indicator: 0 = do not print debug output 1 = print debug output