

### IX.3.3B-SYSTEM-FTERPL SUBROUTINE FTERPL

#### Description

Subroutine FTERPL interpolates within the Rating Curve to compute the discharge associated with a given stage or visa versa.

#### Calling Sequence

CALL FTERPL (X,XVECT,N,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
N	Input	I*4	1	Number of Rating Curve points
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