SUBROUTINE OPUGAJ

Description

This subroutine adjusts the unit hydrograph according to horizontal (UGH) and vertical (UGV) adjustment factors.

Calling Sequence

CALL OPUGAJ (UGH, UGV, QI, QO, QW, QW2, NORDS, VADJ, ISTAT)

Argument List

Variable	Input/ Output	Type	Dimension	Description
UGH	Input	R	1	The horizontal adjustment parameter that is being optimized and is used to compute a new unit hydrograph
UGV	Input	R	1	The vertical adjustment parameter that is being optimized and is used to compute a new unit hydrograph
QI	Input	R	VAR	Ordinates of the input unit hydrograph
QO	Both	R	VAR	Ordinates of the output unit hydrograph
QW	Both	R	VAR	Work space (.GE. NORDS) associated with vertical adjustment
QW2	Both	R	VAR	Work space (.GE. NORDS) associated with horizontal adjustment
NORDS	Input	I	VAR	Number of unit graph ordinates
VADJ	Output	R	1	Percentage volume adjustment made to new unit hydrograph
ISTAT	Both	I	1	Status flag: 0 - no errors 1 - specified UGH value too large (UGH set to allowable value) 2 - specified UGV value too large (UGV set to allowable value) 3 - Both UGH and UGV too large (UGH and UGV reset to new values)