IX.3.3B-SYSTEM-FAJMDQ SUBROUTINE FAJMDQ

Description

Subroutine FAJMDQ adjusts simulated instantaneous discharge so that the resulting mean daily discharge volumes are within the specified tolerance limits of the observed mean daily volumes.

A description of the adjustment process is in Section V.3.3-ADJUST-Q [Hyperlink].

Calling Sequence

CALL FAJMDQ (a,b,c,d,e,f,g,h,i,j,k,l,m,n)

Argument List

Argument	Input/ Output	Type	Dimension	Description
a	Both	R*4	*	Simulated instantaneous discharge array
b	Input	I*4	*	Missing value indicator for observed MDQ array: 0 = value present 1 = value missing
c	Input	R*4	*	Work space for simulated MDQ values that are computed inside subroutine
d	Input	R*4	*	Observed MDQ array
e	Input	I*4	1	Location in observed MDQ array of value for first day of computations
f	Input	I*4	1	Location in observed MDQ array of value for last day of computations
g	Input	I*4	1	Location of value in simulated instantaneous discharge array for first period of computations
h	Input	I*4	1	Location of value in simulated instantaneous discharge array for last period of computations
i	Input	R*4	1	Tolerance for comparing observed

Argument	Input/ Output	Type	Dimension	Description
				and simulated MDQ values (decimal fraction)
j	Input	R*4	Var.	Simulated discharge values from midnight of the day prior to the initial day of computations up to the ending hour of the period prior to the first period of computations
k	Output	I*4	1	Last ordinate in simulated instantaneous discharge array that is adjusted by observed MDQ data
l	Input	I*4	1	Data time interval of simulated instantaneous discharge data
m	Input	I*4	1	Ending hour (internal clock) of the first period of computations
n	Input	I*4	1	Ending hour (internal clock) of the last period of computations