

VIII.3.3-RES-SNGL-S-FRAC26 SUBROUTINE FRAC26

Description

Function FRAC26 computes the fraction of the time interval that is required for the pool to rise to a specified pool storage (rising pool) or to fall to a specified pool storage (falling pool).

Calling Sequence

FRAC26 (DIFQI, DIFQOK, QI1, QO1, QOK1, QSFRAC, S1, SFILL, IBUG)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
DIFQI	Input	R*4	1	Inflow at end minus inflow at beginning of time interval
DIFQOK	Input	R*4	1	Non-spillway discharge at end minus non-spillway discharge at beginning of time interval
QI1	Input	R*4	1	Inflow at beginning of time interval
QO1	Input	R*4	1	Total dam discharge at beginning of time interval
QOK1	Input	R*4	1	Non-spillway discharge at beginning of time interval
QSFRAC	Input	R*4	1	Spillway discharge at time pool is filled to (or falls to) specified pool storage; for the spillway routing subroutine, the specified pool storage will be the level where inflow is passed for a gated spillway or the spillway crest for an uncontrolled spillway
S1	Input	R*4	1	Pool storage at beginning of time interval
SFILL	Input	R*4	1	Specified pool storage for passing inflow
IBUG	Input	I*4	1	Debug indicator: 0 = no trace or debug 1 = trace only

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
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2 = trace and debug