DEVELOPERS

JSWMM - PreRunoff component

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Abstract

This pages teaches JSWMM-PreRunoff component as OMS3 component. Some preliminary knowledge and installation of OMS is mandatory. This component is a support to Runoff NET3 node. It is a mandatory pre-process to JSWMM-Runoff component. It generates the rainfall data and it adapts the same rainfall data to runoff user defined step.

@Version:

0.1

@License:

GPL v.3

@Inputs:

SWMMobject dataStructure;

@Outputs:

HashMap<Integer, LinkedHashMap<Instant, Double>> adaptedRainfallData;

Keywords: OMS; JSWMM; JGrass-NewAGE Component

Dalla Torre and Serafin Page 2 of 3

Code Information

Code repository

This points to the source code ${\tt https://github.com/geoframecomponents/jswmm}$

Executables

This points to the jar file that, once downloaded can be used in the OMS console.

../build/libs

Also useful

Dependency of the source code:

- inpparser-all.jar
- \bullet oms-all.jar

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Dalla Torre and Serafin Page 3 of 3

Component Algorithms and internals

The component checks if the dataStructure is empty, than it create three rainfall data series. Each rainfall series is saved in a LinkedHashMap<Instant, Double>, with the timestep defined in the input file for runoff.

The LinkedHashMap is saved in a HashMap with key the number of curve consider to generate the rainfall inputs (in order 3 minutes, 5 minutes and 10 minutes).

Sofware specifications

To generate rainfall inputs to design properly the network.

Class UML diagram

