

STOCHASTIC POINT RAINFALL GENERATION AT SMALL TIME STEPS USING TEMPORAL DISAGGREGATION

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Models based on scale random cascade are attractive, they generate time series at fine resolution with scale invariance property. Until now, the validation was done by comparing the statistical properties of the observed series with those of the synthetic one. It is not certain that these models describe the most important properties to the hydrological needs like dimension of sewer network systems. A series of about 8 years long with 1-min time resolution will be used to fit a suitable cascade model.