



Tuning of a central controller for a sewer network using multiple simplified models

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ABSTRACT

In the context of a pilot project for central automatic control of a sewer system the need arose for an environment to tune the chosen controller. This controller has set point curves for each sub catchment. To choose the optimal setting we would need to evaluate many events with many different controller settings. To do so with a full hydro dynamical model would cost too much time. By generating a separate simplified model for each event we hope to achieve an acceptable compromise between speed and accuracy. This paper discusses our experiences in setting up the simplified models.

KEYWORDS

Automatic control, drainage, modelling, urban