

### **Air exchange of the hydraulic system with water-drag-driven dynamics**

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### **Air pocket dynamics under bridging of stratified flow during rapid filling of a horizontal pipe**

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### **Analysis and improvement of a perturbation solution for hydraulic flow in a rotating parabolic channel**

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### **Analyzing the emptying process of a large-scale pipeline with three-dimensional CFD simulations**

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### **Blockage of saline intrusions in restricted, two-layer exchange flows across a submerged sill obstruction**

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**Numerical study of Tallinn storm-water system flooding conditions using CFD simulations of multi-phase flow in a large-scale inverted siphon**

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