

## Finite Volume Method in Loop Network in Hydraulic Transient

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**Abstract :** In this paper, we consider finite volume method (FVM) in water hammer. We will simulate these techniques on a looped network with complex boundary conditions. After comparing methods, we see the FVM method as the best method. We compare the results of FVM with experimental data. Finite volume using staggered grid is applied for solving water hammer equations.

**Keywords :** hydraulic transient, water hammer, interpolation, non-linear interpolation

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