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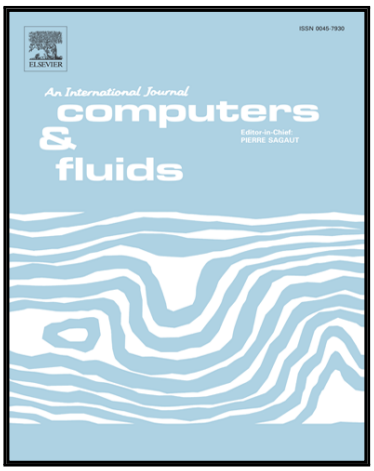

Implementation of the Ghost Fluid Method for Free Surface Flows in Polyhedral Finite Volume Framework

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Highlights

- Single set of governing equations is formulated for both phases
- Ghost Fluid Method is used to couple the two phases implicitly
- Interface corrected discretisation schemes are derived and presented in detail
- The implementation is carried out in arbitrary polyhedral Finite Volume Method
- Validation and verification is carried out on two test cases

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