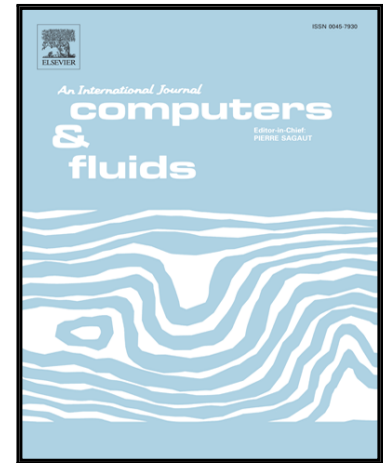


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Simulation of micro-flow dynamics at low capillary numbers using adaptive interface compression

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1 Highlights

- 2 • Multiphase flow solver using adaptive compression scheme has been introduced.
- 3 • Wide range of conditions using well-established benchmark cases has been tested.
- 4 • The adaptive compression facilitates simulating flows at low capillary numbers.
- 5 • The adaptive nature of the coef. counter balances the need for very fine grids.
- 6 • Using the mentioned method gives accurate results in estimating bubble formation.

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