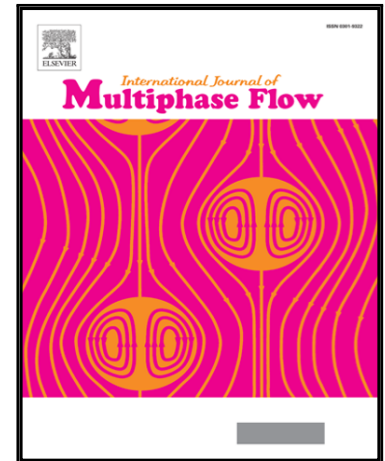


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A generic algorithm for three-dimensional multi-phase flows on unstructured meshes

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Highlights

- A balanced and consistent algorithm on hybrid unstructured meshes is proposed for multi-phase flow.
- Algebraic volume of fluid method is used for capturing the fluid interface.
- Least squares procedure is adopted for calculating all the gradient quantities.
- Apart from force balancing, consistency is also needed for convection dominant flows.

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