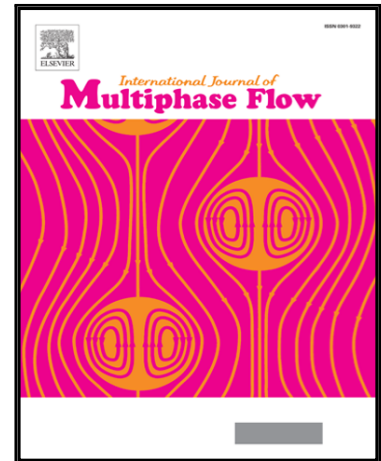


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A model for rising bubbles interacting with crossflowing liquid

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Highlights

- A dynamic model is written for submerged bubbles interacting with liquid crossflow
- Correlations for drag coefficient and bubble expansion used closure relationships
- Experimental data provided initial conditions as well as validation for model solutions
- Predicted rise velocities closely agree with the experimental values
- Bubble trajectories well predicted especially at low to medium crossflow velocities

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