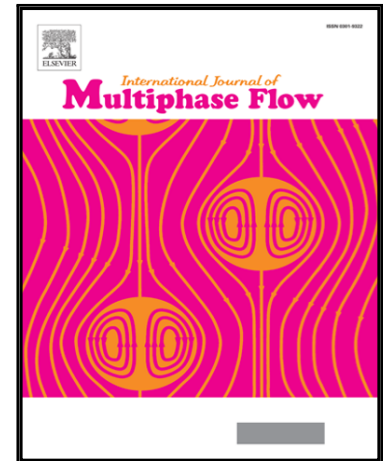


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Fluid Dynamics in a Bubble Column: New Experiments and Simulations

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Highlights

- new experimental data for fluid dynamics of bubble columns are presented
- with large spatial and temporal resolution and high accuracy
- for a comprehensive set of observables including turbulence
- a model that has been validated previously for a range of different conditions
- is shown to agree with these data quite well
- thus highlighting the trustworthiness of the model for predictive applications

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