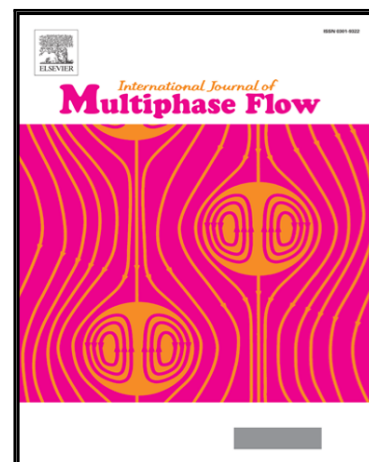


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Experimental study of the falling film of liquid around a Taylor bubble

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Highlights

- New experimental data of falling liquid film around Taylor bubbles were obtained.
- The inverse viscosity numbers of the experiments range from 15 to 22422.
- A pulse-echo ultrasonic technique was used for measurement of the falling liquid film.
- Application ranges of existing correlations for equilibrium film thickness were evaluated.
- New correlations for equilibrium thickness and film development length were obtained.

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