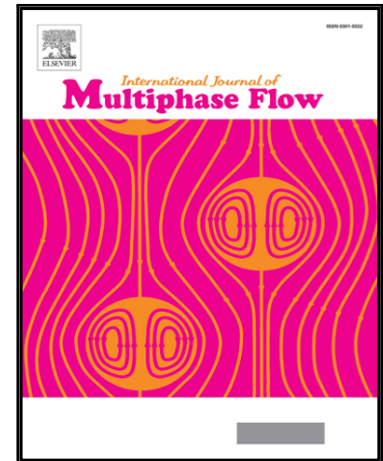


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A general thermal stratification criterion for single and two-phase flows in a pipe after subcooled injection

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Highlights

- Analysis of thermal stratification in the liquid layer for single and two-phase flows.
- Criterion development for identifying thermal stratification in single and two-phase flows.
- Innovation points of the development: two-phase condition, condensation hypothesis and no-zero flow velocity in the pipe.
- The criterion results are in accordance with the experimental results for 124 on 129 test cases.

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