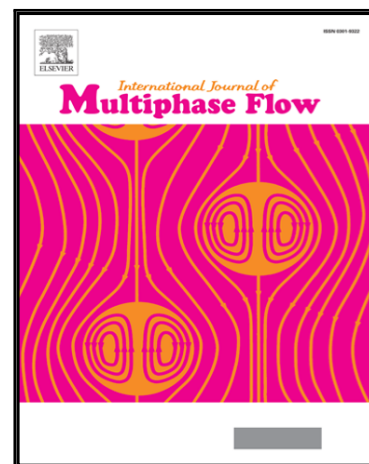


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A Computational Approach to Predict External Spray Characteristics for Flashing and Cavitating Nozzles

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Highlights

- Application of Liquid-gas interface area-density model to identify the spray plume boundary in flashing and cavitating nozzles.
- A detailed explanation of a computational approach to predict external spray characteristics like spray plume angle.
- The proposed approach offers a meaningful comparison to the experimental definition of spray plume boundary.
- Model predictions were validated against available experimental results.

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