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EFFECT OF LOCAL THERMOPHYSICAL PROPERTIES AND FLASHING ON FLOW BOILING PRESSURE DROP IN MICROCHANNELS

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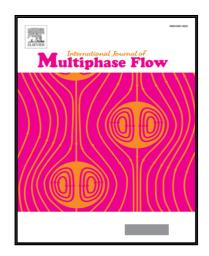
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Highlights

- A new approach for prediction of flow boiling pressure drop in microchannel.
- Effect of local thermophysical properties and flashing is incorporated.
- Effect of heating on two-phase multiplier is included.
- These effects are significant in case of large pressure drop.
- Experimental observations confirm improved prediction with new approach.

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