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A general formulation for cavitating, boiling and evaporating flows

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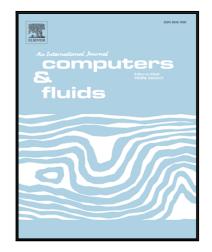
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## Highlights

- A flow model, valid for both cavitating and boiling flows is presented.
- The model is hyperbolic and conservative.
- It enables the capture of interfaces with phase transition.
- There are no restrictions regarding flow speed and density jumps at interfaces.
- Computational examples and validation against experimental data are given.

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