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An explicit hybrid finite difference scheme for the Allen–Cahn equation

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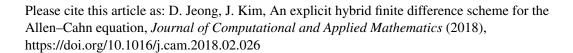
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## Highlights

- We propose an explicit hybrid numerical method for solving the Allen—Cahn equation.
- The proposed method is based on an operator splitting method.
- We show the stability condition of the proposed numerical scheme.
- We show the pointwise boundedness of the solution under a solvability condition.

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