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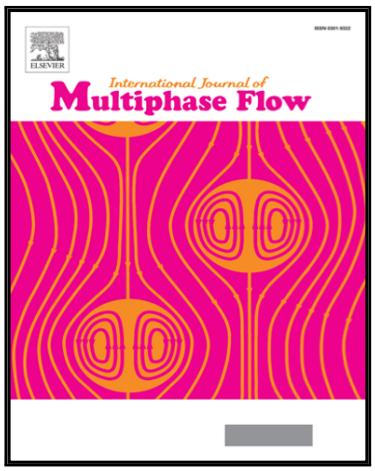

Numerical simulations of solidification around two tandemly-arranged circular cylinders under forced convection

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Highlights

- The solidification process around two tandemly-arranged circular cylinders under forced convection is numerically studied.
- A front-tracking/finite difference method combined with interpolation techniques is used.
- Effects of various parameters on the formation of the solid are investigated.
- Effects of volume change and results in the case of side-by-side arrangement are also presented.

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