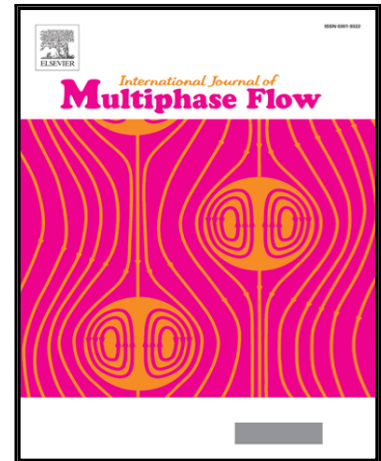


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One-dimensional modelling of the thinning of particulate suspensions near pinch-off

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Highlights

- Near pinch-off dynamics of a colloidal suspension responds to Newtonian behaviour with an additional active stretching due to end particles movement.
- Modelling of the interstitial fluid as an axially stretching Newtonian liquid bridge with a non-uniform movement of the boundaries.
- One-dimensional model in excellent agreement with experimental results for different particle sizes, concentrations and suspending medium viscosities.

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