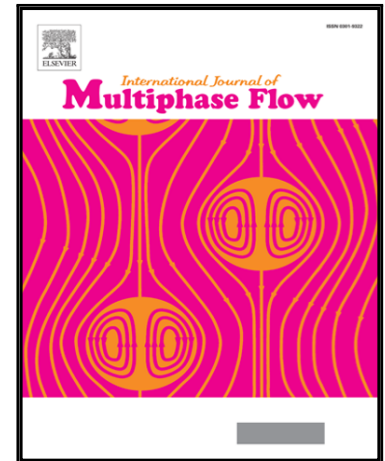


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Effects of wall roughness on drag and lift forces of a particle at finite Reynolds number

Hyungoo Lee, S. Balachandar

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Highlights

- DNS of laminar shear flow around a particle sitting on a rough wall made up of hemispherical elements is considered
- Results on drag and lift forces are presented
- How well the drag and lift correlations developed for a particle near a smooth wall apply for the case of a rough wall is considered.

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