

## Accepted Manuscript

Simulations of viscoelastic two-phase flows in complex geometries

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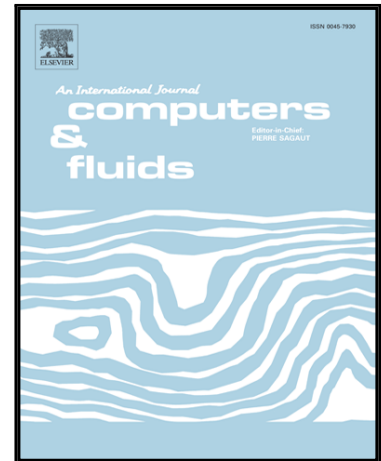
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**Highlights**

- A FT/IB method is developed for viscoelastic two-phase flows in complex geometries.
- The method is designed to handle virtually any arbitrarily-shaped solid wall.
- The method can accommodate virtually any model in Oldroyd-B and FENE families.
- The method is robust and second order accurate in space.

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