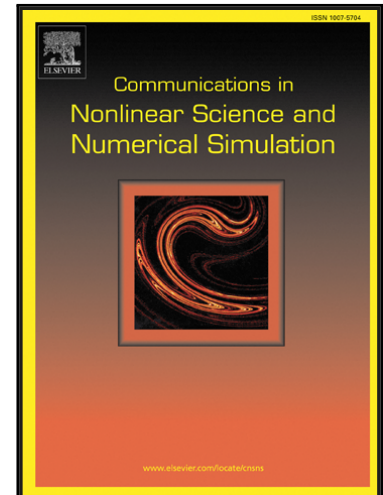


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Simulations of variable concentration aspects in a fractional nonlinear viscoelastic fluid flow

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Highlights

- A model for unsteady fractionalviscoelastic ow has been developed.
- Homogeneous-heterogeneous reactions has been included in flow.
- Variable concentrations sum is utilized to explore the behavior of reactions.
- Finite element-finite difference scheme is used for the simulations.
- Skin friction and concentration gradients are calculated at boundaries.

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