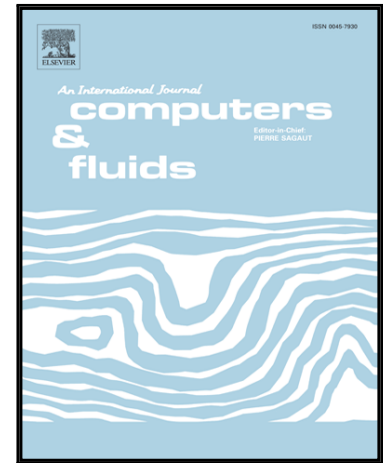


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Lattice-Boltzmann lattice-spring simulations of influence of deformable blockages on blood fluids in an elastic vessel

Tai-Hsien Wu, Dewei Qi

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Highlights

- The LBLSM is used to simulate the dynamic behavior of deformable blood blockages in an elastic vessel for the first time.
- Effects of the thickness of the blockages on deformation are exploited.
- Influence of the deformation on fluid rates or fluid resistant is studied.
- Effects of vortices on the deformation of the blockages are investigated.

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