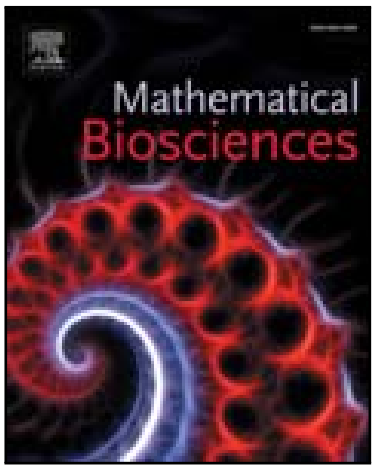

Effect of Pulse Rate Variation on Blood Flow through Axisymmetric and Asymmetric Stenotic Artery Models

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Highlights

- CFD Simulation is performed for pulsatile flow in stenotic arteries.
- Inflow blood velocity waveform for different pulse rates is specified.
- Windkessel model is sued to specify outflow pressure waveform.
- Newtonian and non-Newtonian blood rheologies are investigated.
- Wall shear Stress distribution and Oscillatory Shear stress Index for different pulse rates are compared.