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A one dimensional model of blood flow through a curvilinear artery

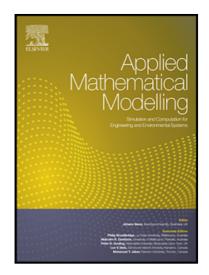
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Highlights

- A simple 1-D model for blood flow in a curved, elastic blood vessel with variable width of the channel presented.
- A new model for the elastic vessel wall used to describe interaction with the flow.
- Numerical simulations provided to study the effects of changing channel width and orientation of the flow in gravity.

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