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Effect of heat transfer on the peristaltic transport of a MHD second grade fluid through a porous medium in an inclined asymmetric channel

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**Research Highlights**

- The peristaltic flow of a second grade fluid in an asymmetric channel is studied.
- The effects of a magnetic field and heat transfer are also considered.
- Four types of different wave forms are considered for the analysis.
- The physical analysis of the obtained results is carried out using graphs.
- The temperature has a decreasing effect with an increase of the Hartmann number.

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