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Flow visualization using heat lines for unsteady radiative hydromagnetic micropolar convection from a vertical slender hollow cylinder

G. Janardhana Reddy, Bhaskerreddy Kethireddy, O. Anwar Beg

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Highlights

- MHD micropolar fluid past a radiative vertical slender cylinder has been studied.
- Flow-field profiles for micropolar fluid differs with Newtonian fluids.
- Thermal radiative heat function is derived and discussed for flow parameters.
- Heat lines are useful for perceiving the visualization results.
- It is shown that the level of heat lines is a direct measure of the heat transfer.

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