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MHD forced convection flow of nanofluid in a porous cavity with hot elliptic obstacle by means of Lattice Boltzmann method

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Highlights

- MHD forced convection flow of nanofluid is modeled.
- Porous cavity with hot elliptic obstacle is employed.
- Effect of magnetic field is also taken into account.
- Numerical solutions are developed by Lattice Boltzmann method (LBM).

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