Numerical Investigation of Hybrid Ferrofluid Unsteady Flow through Porous Channel

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Abstract : The viscous, two-dimensional, incompressible, and laminar time-dependent heat transfer flow through a ferromagnetic fluid is considered in this paper. Flow takes place in a channel between two porous walls under the influence of the magnetic field located beyond the channel. It is assumed that there are no electric field effects and the variation in the magnetic field vector that could occur within the F

Keywords : hybrid ferrofluid, heat transfer, magnetic field, porous channel

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