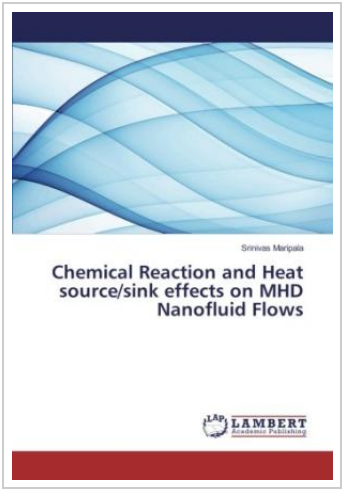

Chemical Reaction and Heat source/sink effects on MHD Nanofluid Flows

By Maripala, Srinivas

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | An analysis is presented to investigate the chemical reaction effects of magnetohydrodynamics convection slip flow of a thermosolutal nanofluid in a saturated porous media over a radiating stretching sheet with heat source/sink. The similarity solution is used to transform the problem under consideration into a boundary value problem of coupled ordinary differential equations, which are solved numerically by using the finite difference method. Numerical computations are carried out for the non-dimensional physical parameter. The results are analyzed for the effect of different physical parameters such as chemical reaction parameter, magnetic field parameter, Prandtl number, thermophoresis parameter, Brownian motion parameter, convection-radiation parameter, Lewis number, hydrodynamic (momentum) slip parameter, convection-diffusion parameter, convection-conduction parameter, on the dimensionless velocity, temperature and nanoparticle concentration fields and are presented through graphs. | Format: Paperback | Language/Sprache: english | 72 pp.

Reviews

This pdf is definitely not easy to get started on studying but quite entertaining to read through. I am quite late in start reading this one, but better then never. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- ***Ms. Fatima Erdman***

The publication is simple in read easier to comprehend. It really is rally interesting throgh looking at time period. I found out this book from my i and dad suggested this pdf to discover.

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