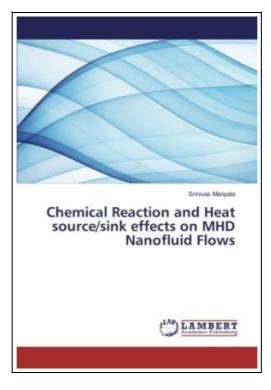
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# CHEMICAL REACTION AND HEAT SOURCE/SINK EFFECTS ON MHD NANOFLUID FLOWS



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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.

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