



MHD flow and mass transfer of a Jeffery fluid past a porous sheet

By M. Awais

VDM Verlag Nov 2010, 2010. Taschenbuch. Book Condition: Neu. 220x150x5 mm. Neuware - This study describes the influence of mass transfer on the steady two-dimensional magnetohydrodynamic (MHD) boundary layer flow of a Jeffery fluid bounded by a stretching sheet. A uniform magnetic field in the presence of chemical reaction is applied. The arising non-linear partial differential equations are reduced to non-linear ordinary differential equations by similarity variables. Similar solutions of velocity and concentration fields are derived by a homotopy analysis method (HAM). The values of surface mass transfer and gradient of mass transfer are also tabulated. 76 pp. Englisch.



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