Thermal Radiation and Chemical Reaction Effects on MHD Casson Fluid Past a Permeable Stretching Sheet in a Porous Medium

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Abstract : This article studied effects of radiation and chemical reaction on MHD casson fluoid flow past a Permeable Stretching Sheet in a Porous Medium. Suitable transformations are considered to transform the governing partial differential equations as ordinary ones and then solved by the numerical procedures like Runge- Kutta – Fehlberg shooting technique method. The effects of various governing parameters, on the velocity, temperature and concentration are displayed through graphs and discussed numerically.

Keywords : MHD, Casson fluid, porous medium, permeable stretching sheet

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