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Group theoretical analysis of non-Newtonian fluid flow, heat and mass transfer over a stretching surface in the presence of thermal radiation
(2016) *Journal of Applied Fluid Mechanics*, 9 (3), pp. 1515-1524. Cited 1 time.

Abstract
The present article examines the flow, heat and mass transfer of a non-Newtonian fluid known as Casson fluid over a stretching surface in the presence of thermal radiations effects. Lie Group analysis is used to reduce the governing partial differential equations into non-linear ordinary differential equations. These equations are then solved by an analytical technique known as Homotopy Analysis Method (HAM). A comprehensive study of the problem is being made for various parameters involving in the equations through tables and graphs.

2-s2.0-84964523230
Document Type: Article
Publication Stage: Final
Source: Scopus