Steady Flow of Maxwell Fluid with Convective Boundary Conditions

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We performed a study for the flow of a Maxwell fluid induced by a stretching surface. Heat transfer is also addressed by using the convective boundary conditions. We solved the nonlinear problem by employing a homotopy analysis method (HAM). We computed the velocity, temperature, and Nusselt number. The role of embedded parameters on the velocity and temperature is particularly analyzed.

Key words: Heat Transfer; Convective Boundary Conditions; Stretching Surface.