Article Abstract

Title:	Effect of radiation and porosity parameter on hydromagnetic flow due to exponentially stretching sheet in a porous media
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Abstract:	The aim of this paper is to study the momentum and the heat transfer characteristics in incompressible electrically conducting boundary layer flow over an exponentially stretching sheet under the effect of magnetic field with thermal radiation through porous medium. The governing boundary layer equations are converted into self-similar nonlinear ordinary differential equations, using similarity transformations in exponential form and then solved numerically using shooting method. The velocity profile, skin friction-co-efficient and rate of heat transfer are computed numerically and then graphically studied with respect to similarity variable (η) for different cases of velocity ratio parameter (β)
Keywords:	Boundary layer, unsteady flow, exponentially stretching surface, porous medium, thermal radiation.