

**UNSTEADY HYDROMAGNETIC FREE CONVECTION FLOW OF A
DISSIPATIVE AND RADIATING FLUID PAST A VERTICAL PLATE THROUGH
POROUS MEDIA WITH CONSTANT HEAT FLUX**

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ABSTRACT

This paper investigates the unsteady free convective flow through porous medium past a vertical plate in the presence of magnetic field with constant heat generation. Boundary layer equations are derived and the resulting approximate non linear ordinary differential equations are solved analytically. The velocity and temperature parameters are illustrated graphically.

Keywords: Unsteady free convection, Vertical plate, Heat generation, Magnetic field.