VORTICITY ON MHD FREE CONVECTION FLOW OF FLUID WITH HEAT TRANSFER THROUGH POROUS MEDIUM BY AN OSCILLATING POROUS PLATE IN SLIP FLOW REGION

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ABSTRACT

The vorticity of MHD Free convection viscous incompressible fluid past an accelerating infinite vertical plate with heat transfer through porous medium by an oscillating porous plate in slip flow region has been studied. The dimensionless governing equations are solved using ordinary differential equation solution in separation .The vorticity of the flow has been found the different values of various parameters from graphs.

KEYWORDS: MHD, Free Convection, Vertical Plate, Acceleration, Heat Transfer, Vorticity and Porous Medium