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WITHDRAWN: Similarity solution of free convection in a stratified porous medium with internal heat generation ALI KALANTARIAN, M.Sc student, MORTEZA KHODABAKHSH, M.Sc student, Sharif University of Technology — In this paper, free convection from inclined permeable wall embedded in a stratified porous medium is investigated. To achieve similarity solution, the internal heat generation is a linear function of X . It is assumed that the heated wall has constant temperature and permeability along the wall is variable. Because of the application in oil reservoir, Darcy's law as momentum equation has been used. To apply similarity solution, only large wall inclination angle have been considered. Effects of mass flux, permeability function, and inclination angle on thermal and velocity boundary layer thickness and heat transfer at the wall are investigated. Also, results are compared with the case without heat generation.

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