

Documents

Ijaz, S., Saleem, N., Munawar, S.

Slip effect on the magnetohydrodynamics channel flow in the presence of the across mass transfer phenomenon
(2017) *Journal of Applied Mechanics and Technical Physics*, 58 (1), pp. 54-62. Cited 2 times.

Abstract

This paper deals with the slip effect on the across mass transfer (AMT) phenomenon in a three-dimensional flow of a hydromagnetic viscous fluid in a channel with a stretching lower wall. Both walls of the channel are considered to be porous so that the AMT phenomenon can be established. The governing equations are solved analytically. The accuracy of the series solution is proved by comparing the results with a numerical solution. The slip condition is observed to be helpful in reducing the viscous drag on the stretching sheet. © 2017, Pleiades Publishing, Ltd.

2-s2.0-85015645445

Document Type: Article

Publication Stage: Final

Source: Scopus