

**UNSTEADY FLOW OF A CONDUCTING DUSTY
FLUID THROUGH A RECTANGULAR CHANNEL
WITH TIME DEPENDENT PRESSURE GRADIENT
THROUGH POROUS MEDIUM**

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Abstract

In this paper we have studied the unsteady flow of a dusty conducting fluid through a long rectangular channel with time dependent pressure gradient and under the influence of external uniform magnetic field through porous medium. Various different cases of pressure gradient are also discussed in detailed.