

Numerical Simulation of Two Dimensional Magnetogasdynamics

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In this paper we study two dimensional shock wave and the behavior of shock in the presence of magnetic field. Finite difference method of Rusanov has been used to solve the Eulerian system of equation in conservative form.

This problem has been studied by D. Leutloff, K. G. Roesner and Dr. R. C. Srivastava for one dimension. We study this problem in two dimension and influence of Magnetic field is also taken into account.