## APPLICATION OF ANSYS FLUENT MHD CODE FOR LIQUID METAL MHD STUDIES

A. PATEL and R. BHATTACHARYAY

Institute for Plasma Research

Ahmedabad, India



**3D MHD effects:** The results for the spatial variation of normalised transverse pressure difference from FLEUNT agrees well with the experimental data.

profile are found to be in good

those

from

with

agreement

analytical solution.

The magnetic field has been found to be the controlling parameter for the natural convection.

magnetic field (Ha=100).