

Stationary convection in a cylindrical plasma

Gomberoff, L.

Hernández, M.

It is shown that viscosity and thermal conductivity leads to large-scale steady convection in a cylindrical current-carrying plasma, under the influence of a magnetic field satisfying $(B_\theta/B_z) \gg 1$.

This state is the analog in a plasma of stationary convection in ordinary hydrodynamics. © 1983 The American Physical Society.