

Convective flow and the most dangerous perturbation

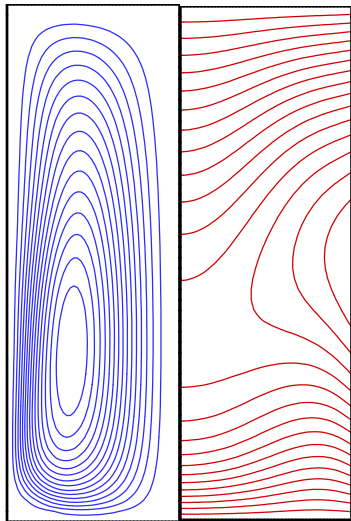
Parabolic heating from the side

Effect of axial magnetic field

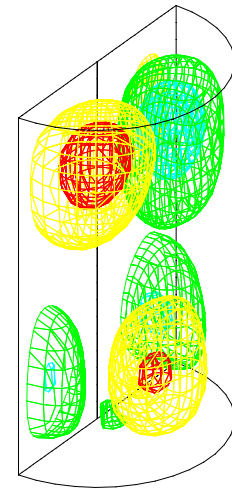
$$A = H/R = 3, Pr = 0.015, Ha = 10, Gr = 396,000, k = 2$$

streamlines

isotherms



Perturbation of temperature



Perturbations of vector potential of velocity

