

Convective flow and the most dangerous perturbation

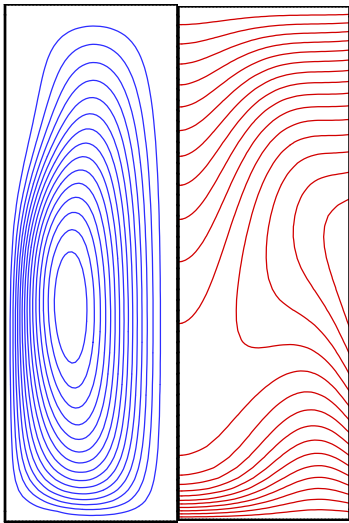
Parabolic heating from the side

Effect of axial magnetic field

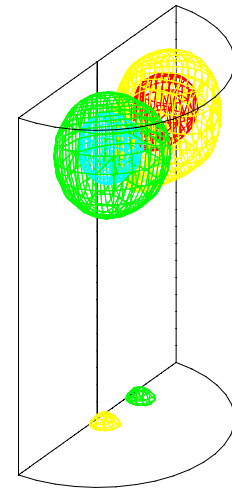
$$A = H/R = 3, \quad Pr = 0.015, \quad Ha = 40, \quad Gr = 2,617,000, \quad k = 2$$

streamlines

isotherms



Perturbation of temperature



Perturbations of vector potential of velocity

