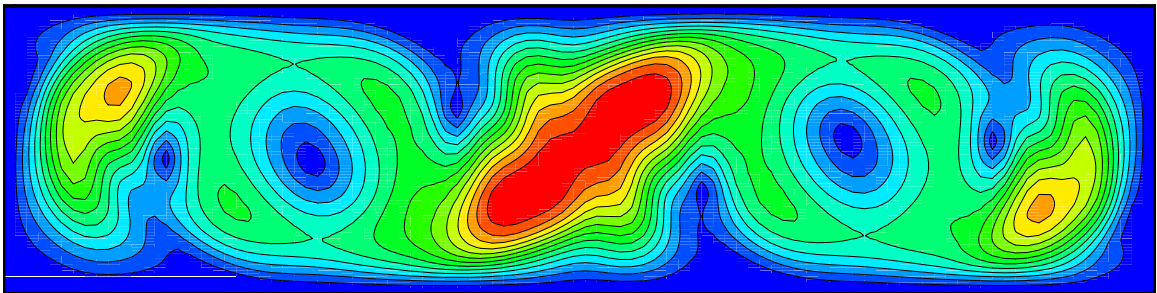
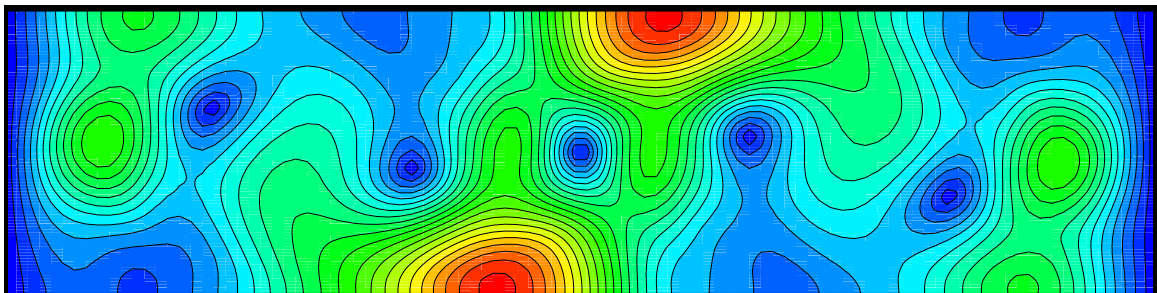


perturbation of stream function



perturbation of temperature



$$\text{Gr}=1.48\times 10^6, \text{Pr}=0.015, \text{Ha}=0$$