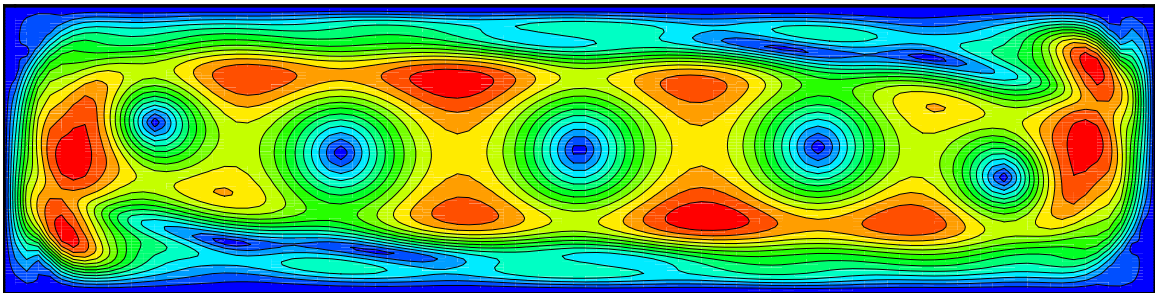
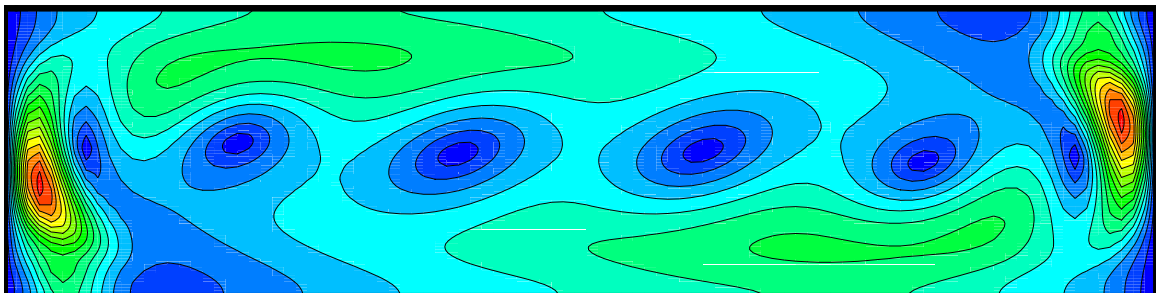


perturbation of stream function



perturbation of temperature



$$\text{Gr}=1.59\times 10^7, \text{Pr}=0.015, \text{Ha}=10, \alpha=90$$