

# Movie Captions

- Movie 1 Animations over one forcing period of the vorticity for the limit cycles at indicated buoyancy number ( $R_N$ ) and squared forcing frequency ( $\omega^2$ ) corresponding to figure 3.
- Movie 2 Animations over one forcing period of the perturbation temperature for the limit cycles at indicated buoyancy number ( $R_N$ ) and squared forcing frequency ( $\omega^2$ ) corresponding to figure 4.
- Movie 3 Animation of a continuous zoom into the region about the point  $(x, z) = (0.5, 0)$  of the vorticity  $\eta_r$  of the linear inviscid response flow at squared forcing frequency  $\omega^2 = 2/3$ , corresponding to figure 8.
- Movie 4 9999 frames corresponding to snapshots of  $\eta_r$  and  $heta_r$  at phases 0 and  $\pi/4$ , respectively, of the linear inviscid response flows at square forcing frequencies  $\omega^2 \in (0, 1)$ , providing a visual catalog of the Fredholm alternative extbfA1 responses obtained from the truncated series corresponding to equation (5.1) and figure 15.