

Movie Captions

- Movie 1 Convection pattern for regime F as shown in figure 10a. The parameters in Φ^f and Φ^m are shown in the upper and lower panels, respectively. The bold red and blue curves are isotherms $\Theta^j = i/10$, $i = 1 \dots 9$. The thin grey curves are the streamlines and the arrows indicate the direction of fluid flow (\mathbf{u}^j). The distributions of q^{fm} and $\Theta^f - \Theta^m$ are shown in the upper and lower panels, respectively.
- Movie 2 Convection pattern for regime M_z as shown in figure 10b. The parameters in Φ^f and Φ^m are shown in the upper and lower panels, respectively. The bold red and blue curves are isotherms $\Theta^j = i/10$, $i = 1 \dots 9$. The thin grey curves are the streamlines and the arrows indicate the direction of fluid flow (\mathbf{u}^j). The distributions of q^{fm} and $\Theta^f - \Theta^m$ are shown in the upper and lower panels, respectively.
- Movie 3 Convection pattern for regime C_f as shown in figure 10c. The parameters in Φ^f and Φ^m are shown in the upper and lower panels, respectively. The bold red and blue curves are isotherms $\Theta^j = i/10$, $i = 1 \dots 9$. The thin grey curves are the streamlines and the arrows indicate the direction of fluid flow (\mathbf{u}^j). The distributions of q^{fm} and $\Theta^f - \Theta^m$ are shown in the upper and lower panels, respectively.
- Movie 4 Convection pattern for regime P as shown in figure 10d. The parameters in Φ^f and Φ^m are shown in the upper and lower panels, respectively. The bold red and blue curves are isotherms $\Theta^j = i/10$, $i = 1 \dots 9$. The thin grey curves are the streamlines and the arrows indicate the direction of fluid flow (\mathbf{u}^j). The distributions of q^{fm} and $\Theta^f - \Theta^m$ are shown in the upper and lower panels, respectively.