Movie Captions

• Movie 1: This movie shows the process of synchronization with $N = 6$ at $R = 2250$ (cf. Fig 7a) on a $z - x$ plane at $y/h = -0.77$. In the upper panel we plot with black contour lines the amplitude of the $>$ flow and in the lower panel the amplitude of the error $> - >$. The colored background contours in both panels depict the amplitude of the maximum eigenvalue of the rate of strain tensor $(\partial_i u_{j,<} + \partial_j u_{i,<})/2$ of the large-scale $<$ flow.

• Movie 2: This movie shows the failure of synchronization with $N = 5$ at $R = 2250$ (cf. Fig 7b) on a $z - x$ plane at $y/h = -0.77$. In the upper panel we plot with black contour lines the amplitude of the $>$ flow and in the lower panel the amplitude of the error $> - >$. The colored background contours in both panels depict the amplitude of the maximum eigenvalue of the rate of strain tensor $(\partial_i u_{j,<} + \partial_j u_{i,<})/2$ of the large-scale $<$ flow. The error field is now concentrated in regions of high strain.