

File Name	Caption text
Movie 1	The video shows 2D3C velocity fields from consecutive time instants in a horizontal plane close to the hot plate at $Ra=2.62\times 10^7$, $Pr=5.59$ and five frames per second. The velocity vector arrows converge about multiple imaginary lines that are supposed to be the line plumes.
Movie 2	The video shows the temporal evolution of plume structures detected by the negative horizontal divergence criterion overlaid with the corresponding horizontal velocity field at $Ra=5.52\times 10^5$, $Pr=5.88$ and 10 Hz . Randomly oriented plumes are merging laterally with their adjacent plumes at around (15, 20) mm.
Movie 3	The video shows the temporal evolution of plumes detected by the negative horizontal divergence criterion overlaid with the corresponding horizontal velocity field at $Ra=2.19\times 10^8$, $Pr=5.24$ and 15 Hz . Plumes move in the shear direction while also merging laterally with their adjacent plumes.
Movie 4	The video shows the temporal evolution of plumes detected by the negative horizontal divergence criterion overlaid with the corresponding horizontal velocity field at $Ra=1.21\times 10^9$, $Pr=5.09$ and 15 Hz . Plumes are predominantly aligned in the direction of shear.