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Thermal plumes in thermally driven turbulence

This image shows the structures of three-dimensional turbulent thermal plumes in a box heated from below and cooled from the top, which is a simple model for the natural convection systems, such as those present in geo- and astro-physics. Turbulent thermal plumes are generated on the plates, forming the large scale rolls, mimicking the wind in Nature.

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Image Competition: Image Entry Winner 2017



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