

The Influence of Translational Vibration of Circular Polarization on Fluid Convection Stability and Flow Patterns

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Experiments were performed to examine the influence of nonlinear vibrations on thermogravitational convection. The results of the experiments indicate that the mentioned force field essentially influence on stability of mechanical equilibrium and the structures of liquid currents. A number of regimes of convection, e.g. rolls, cells and zipper-state were observed.

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