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Bistable attractors in a model of convection-driven spherical dynamos

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(Submitted on 11 Apr 2012)

The range of existence and the properties of two essentially different chaotic attractors found in a model of nonlinear convection-driven dynamos in rotating spherical shells are investigated. A hysteretic transition between these attractors is established as a function of the rotation parameter \ttau. The width of the basins of attraction is also estimated.

Submission history

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