

Phase Ordering in Fractal Networks

K. Tucci

SUMA-CeSiMo, Universidad de Los Andes, Mérida, Venezuela

The phase-ordering properties of coupled chaotic bistable maps on multiconnected fractal networks such as generalized Sierpinski gaskets are investigated. The persistence probability is used as an order parameter for characterizing the phase-transition process. The mean field of the networks and the interface dynamics are studied as functions of the coupling strength and the connection topologies.

Collaborators:

M.G. Cosenza, CAT, Universidad de Los Andes, Mérida, Venezuela.
O. Alvarez, Dep. Física, Universidad de Carabobo, Venezuela.

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