

Hierarchical dynamics for the low temperature cascading 2-GREM on ergodic time scales

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We present a dynamics for the Generalized Random Energy Model, a hierarchical spin glass introduced by Derrida in the 80's, at low temperature, in a parameter regime where the equilibrium configurations are arranged in cascades, and on time scales where we are close to equilibrium. There are 3 dynamical regimes, with 3 different processes showing in the scaling limit.