Seminario de análisis matemático y aplicaciones
Analisi matematikoa eta aplikazioak mintegia

Ground States, Phase Transitions, Chaos and Large Deviations at Zero Temperature on finite and countable Markov Shifts

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ABSTRACT: We discuss the existence of chaotic behavior of equilibrium measures when we freeze the system on finite Markov shifts. The existence of large deviation principles at zero temperature when the equilibrium measures are Gibbs and the connection of Phase Transitions on countable Markov shifts with the existence (or not) of maximizing measures (in the sense of ergodic optimization).

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