

Gibbs-non-Gibbs transitions for mean-field systems by Brownian motions

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Resumo/Abstract:

In this talk I discuss the phenomenon of dynamical Gibbs-non-Gibbs transitions for mean-field spin systems. A transition from Gibbs to non-Gibbs occurs at the moment that there is a bifurcation of a (LDP) function related to the system. I will discuss this relation and the possible scenarios in case the spins perform independent Brownian motions.

This is joint work with Frank den Hollander and Frank Redig.