

PHASE TRANSITIONS IN LAYERED SYSTEMS

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Resumo/Abstract:

This is a joint work (in progress) with **Luiz Renato Fontes** (IME-USP), **Domingos Marchetti** (IF-USP), **Immacolata Merola** (Univ. de L'Aquila), and **Errico Presutti** (GSSI, L'Aquila). We study phase transitions for a class of Ising spin systems on the two-dimensional square lattice, for which there are horizontal interactions given by a ferromagnetic Kac potential with range γ^{-1} and small nearest neighbor ferromagnetic vertical interaction.