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TITULO

New techniques for pressure approximation in Z^d shift spaces

ABSTRACT:

Given a Z^d shift of finite type and a nearest-neighbour interaction, we present sufficient conditions for efficient approximation of pressure and, in particular, topological entropy. Among these conditions, we introduce a combinatorial analog of the measure-theoretic property of Gibbs measures known as strong spatial mixing. The approximation techniques make use of a special representation theorem for pressure that may be of independent interest.

Part of this talk is joint work with Stefan Adams, Brian Marcus, and Ronnie Pavlov.

Miércoles 19 de Octubre del 2016, a las 14:00 hrs. Sala de Seminarios John Von Neumann CMM, Séptimo Piso Torre Norte de Beauchef 851.

