

*Department of Mathematics,
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Math 211 - Group Actions Seminar

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Factor of IID for the free Ising model on the d-regular tree

Abstract:

It is known that there are factors of IID for the free Ising model on the d-regular tree when it has a unique Gibbs measure and not when reconstruction holds (when it is not extremal). We construct a factor of IID for the free Ising model on the d-regular tree in (part of) its intermediate regime, where there is non-uniqueness but still extremality. The construction is via the limit of a system of stochastic differential equations.

This is a joint work with Danny Nam and Allan Sly.

Host: Brandon Seward

Tuesday, May 4, 2021

10:00 AM

**Zoom ID 967 4109 3409 (email Nattalie
Tamam or Brandon Seward for the password)**
