

STANFORD PROBABILITY SEMINAR

Peter Mörters, Univ. of Bath

Monday, 7 November 2005

4:15pm (Refreshments at 4pm in the 1st Floor Lounge)

Sequoia Hall, Room 200

The universality classes in the parabolic Anderson model

Abstract. We discuss the Cauchy problem for the spatially discrete heat equation in a random i.i.d. potential with localised initial datum. The emphasis is on the question, which features of the potential distribution influence the qualitative behaviour of the solution of the problem. The talk is based on joint work with Wolfgang Koenig (Leipzig) and Remco van der Hofstad (Eindhoven).