

STANFORD PROBABILITY SEMINAR

Tom Liggett, UCLA

Monday, 4 October 2004

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

Sequoia Hall, Room 200

Which product measures are dominated by a given random field?

Abstract. Given a random field μ , one can ask the following question: For which densities ρ does μ stochastically dominate the product measure with density ρ ? In this talk, I will give answers to this question for the contact process stationary distribution, the Ising model, and exchangeable sequences. This problem is motivated by dependent percolation, and is joint work with Jeff Steif.