



Seminar/Talk

On the threshold of spread-out contact process percolation

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Host: M. Beiglböck, N. Berestycki, L. Erdős, J. Maas, F. Toninelli

In the (spread-out) d -dimensional contact process, vertices can be healthy or infected. With rate one infected sites recover, and with rate λ they transmit the infection to some other vertex chosen uniformly within a ball of radius R . In configurations sampled from the upper stationary distribution, we study nearest-neighbor site percolation of the set of infected sites and describe the asymptotic behaviour of the associated percolation threshold as R tends to infinity. Joint work with Daniel Valesin.

Friday, March 6, 2020 04:30pm - 05:20pm

Rényi Institute, Budapest



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