

概率论系列报告

报告题目 (Title): Locality of critical parameters for percolation

报告人 (Speaker): 宋贺 南开大学

时间 (Time): 12月29日(周一) 下午 3:00-4:00

地点 (Venue): 北京大学理科一号楼 1418

摘要 (Abstract): Let $\{G_n\}_{n=1}^{\infty}$ be a sequence of transitive infinite connected graphs with $\sup_{n \geq 1} p_c(G_n) < 1$; where each $p_c(G_n)$ is bond percolation critical probability on G_n : Schramm (2008) conjectured that if G_n converges locally to a transitive infinite connected graph G , then $p_c(G_n) \rightarrow P_c(G)$ as $n \rightarrow \infty$. In this talk, I will introduce and discuss the locality of percolation critical probability. And we prove the conjecture when G satisfies two rough uniformities, and $\{G_n\}_{n=1}^{\infty}$ is uniformly nonamenable.

This is joint work with Xiang Kai-Nan and Zhu Song-Chao-Hao.

欢迎参加