

概率论系列报告

报告题目 (Title): **Branching interlacements and tree-indexed random walks in tori**

报告人 (Speaker): 朱庆三 (Tel Aviv University)

时间 (Time): 11 月 18 日 (周一) 下午 2:00-3:00

地点 (Venue): 北京大学理科一号楼 1513

摘要 (Abstract): We introduce a model of branching interlacements which consists of a countable collection of infinite tree-indexed random walk trajectories on the lattice Z^d , for $d \geq 5$. We show that this model is the local limit of the tree-indexed random walk in a discrete torus, conditioned on the size proportional to the volume of the torus. In this talk, we will explain how to construct this model and briefly discuss the main idea in the proof of the local convergence.

欢迎参加