概率论系列报告

报告题目(Title): Dynamical percolation on random triangular lattices 报告人(Speaker):孙鑫 (Columbia University)

时间(Time): 6月3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): Dynamical (site) percolation on a graph is a Markov process where the state space is the set of possible black/white colorings of the vertices of the graph. Each vertex is associated with an independent Poisson clock, and the color of a vertex is resampled every time its clock rings. Dynamical percolation on the regular triangular lattice was thoroughly studied by Garban, Pete and Schramm. In this talk we will discuss the case when the graph is a uniformly sampled triangulation. In particular, we will explain how to describe the scaling limit of this process and show its ergodicity. Time permitting, we will also explain the role it played in the study of the conformal structure of uniform triangulations. Based on joint work with Christophe Garban, Nina Holden and Avelio Sepulveda.

欢迎奏加