北京理工大学

数学与统计学院学术报告

Coupling for continuous state branching processes with immigration

报告人：杨帆，北京师范大学

时间： 2024年10月21日(周一)下午4:00-5:00

地点：文萃楼E 311

摘要：

We study branching Brownian motion with absorption, in which particles undergo Brownian motions with drift and are killed upon reaching the origin. We prove that the extremal process of this branching Brownian motion with absorption converges to a randomly shifted decorated Poisson point process. Furthermore, we show that the empirical distribution function of the maximum of this process converges almost surely to a randomly shifted Gumbel distribution. This talk is based on a joint work with Yaping Zhu.

主办单位：北京理工大学数学与统计学院

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