

概率论系列报告

报告题目 (Title): **Growth-fragmentation process in a planar Brownian excursion**

报告人 (Speaker): Elie Aidekon (Université Pierre et Marie Curie 巴黎六大)

时间 (Time): 4 月 15 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 consider a Brownian excursion from 0 to 1 in the upper half-plane. It (possibly) makes excursions above the horizontal line of height $t > 0$, and for each such excursion, we record the difference between its ending point and its starting point. Hence for each t , we have a collection of real numbers. We show that the process indexed by t is a growth-fragmentation process that we characterize. Joint work with William Da Silva.

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