

数学与系统科学研究院

计算数学所学术报告

报告人: **Dr. Jianfeng Lu**

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报告题目:

**Reactive trajectories and transition
path theory**

邀请人: 明平兵 研究员

报告时间: **2014 年 7 月 24 日 (周四)**

下午 16:00-17:00

报告地点: 数学院南楼七层 **702**
会议室

Abstract:

Understanding rare events like transitions of chemical system from reactant to product states is a challenging problem due to the time scale separation. In this talk, we will discuss some recent progress in mathematical theory of transition paths. In particular, we identify and characterize the stochastic process corresponds to transition paths. The study of transition path process helps to understand the transition mechanism and provides a framework to design and analyze numerical approaches for rare event sampling and simulation.

欢迎大家参加!