

概率论系列报告 Probability Seminar

报告题目(Title): **The Hausdorff dimension of the harmonic measure for relatively hyperbolic groups**

报告人(Speaker): 杨文元 Wenyuan Yang (BICMR)

时间(Time): **2020/12/28 14:00-15:00**

地点(Venue): 理科一号楼 1114 Science Building No.1

摘要(Abstract):

In this talk, I will introduce the class of relatively hyperbolic groups and talk about the random walks on these groups driven by a probability measure with finite first moment. The hitting measure (called harmonic measure) of random walks on various topological boundaries of a relatively hyperbolic group gives the model of Poisson boundary. With respect to the Floyd metric and the shortcut metric, we prove that the Hausdorff dimension of the harmonic measure equals the ratio of the entropy and the drift of the random walk. This is joint work with Matthieu Dussaule.

欢迎参加

Everyone is welcome.