



北京理工大学

数学与统计学院学术报告

Introduction to branching random walks on hyperbolic groups

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地点: 文萃楼E 218

摘要: In this talk we consider a transient branching random walk on a non-elementary hyperbolic group and show that the Hausdorff dimension of the limit set is determined by the growth rate for the two-point function. As a consequence, the dimension is at most half that of the entire boundary of the group, with equality only for virtually free groups. If time allows, we may also discuss extensions to percolation on hyperbolic groups.

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