

Multifractal analysis for branching random walks on regular trees

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Consider a supercritical branching random walk taking values on a regular tree. We obtain simultaneously the Hausdorff dimensions of the level sets $E(\alpha, \beta)$ of infinite branches in the boundary of the tree (endowed with its standard metric) along which the speed of the BRW have limit points belonging to the given interval $E(\alpha, \beta)$. Based on joint work with Shuwen Lai (NKU) and Heng Ma (PKU).

报告人简介：王龙敏，南开大学统计与数据科学学院。研究兴趣主要集中在群与图上随机游走等概率模型，非局部算子位势理论等领域。