

中国科学院

随机复杂结构与数据科学重点实验室

学术报告

报告题目: Parabolic mean value inequality and on-diagonal upper bound of the heat kernel on doubling spaces

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时间: 2023年9月15日(周五) 15:00 - 16:00

地点: 数学院南楼 613

报告摘要: In this talk, we investigate the diagonal upper bound of heat kernels for regular Dirichlet forms on metric measure spaces with volume doubling condition. As hypotheses, we use the Faber-Krahn inequality, the generalized capacity condition and an upper bound for the integrated tail of the jump kernel. The parabolic mean value inequality for subcaloric functions plays an important role.