



复旦大学数学科学学院 数学综合报告会

报告题目: **Heat kernel estimates for symmetric jump processes with general mixed polynomial growths**

报告人: Panki Kim

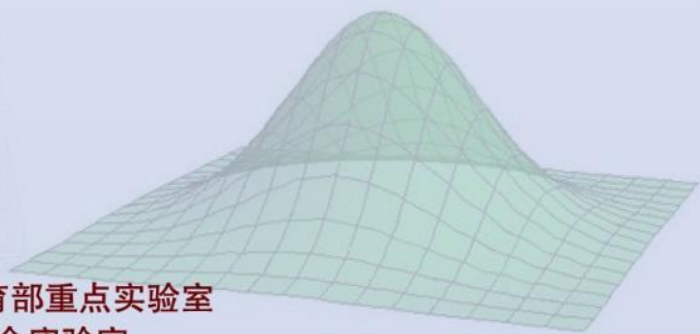
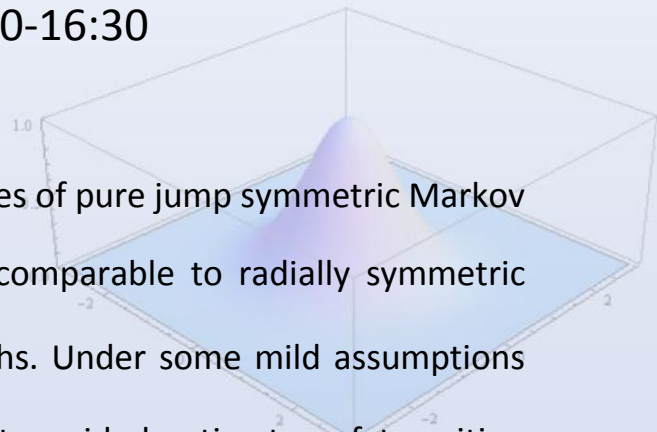
(Seoul National University)

报告时间: 2018-01-11 星期四 15:30-16:30

报告地点: 光华东主楼 1501

摘要: In this talk, we discuss transition densities of pure jump symmetric Markov processes in \mathbb{R}^d , whose jumping kernels are comparable to radially symmetric functions with general mixed polynomial growths. Under some mild assumptions on their scale functions, we establish sharp two-sided estimates of transition densities (heat kernel estimates) for such processes.

This is a joint work with Joohak Bae, Jaehoon Kang and Jaehun Lee.



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