学术报告

报告题目: Heat kernel estimates for Schödinger operators

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报告摘要: We will introduce some probabilistic methods to study heat kernel estimates for Schödinger operators $L = -\Delta + V$, based on which the interaction between the behaviors of Brownian motions $\{B_t\}_{t \geq 0}$ and the potential V will be applied. Our results include the case that V is unbounded or V is decaying to 0 at infinity. Moreover, two-sided Green's function estimates associated with $L = -\Delta + V$ are also obtained.

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