



复旦大学数学科学学院 数学综合报告会

报告题目: Hunt's hypothesis and symmetrization for 1-dimensional diffusions

报告人: 李利平 (中国科学院数学与系统科学研究院)

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报告摘要:

In this talk, we will consider the problem that how far from Hunt's hypothesis (H) to symmetrization for a general 1-dimensional diffusion. The main result shows that such a process is symmetrizable, if and only if (H) holds and a certain family of asymmetric shunt points is empty. Furthermore, we will also derive the representation of associated Dirichlet forms of general 1-dimensional diffusions under the symmetry.

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