复旦大学数学科学学院
数学综合报告会

报告题目：Stability of Elliptic Harnack Inequality

报告人：Prof Chen Zhenqing (University of Washington)

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报告摘要：

Harnack inequality, if it holds, is a useful tool in analysis and probability theory.

In this talk, I will discuss scale invariant elliptic Harnack inequality for general diffusions, or equivalently, for general differential operators on metric measure spaces, and show that it is stable under form-comparable perturbations for strongly local Dirichlet forms on complete locally compact separable metric spaces that satisfy metric doubling property.

Based on Joint work with Martin Barlow and Mathav Murugan.

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