苏步青
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复旦大学数学科学学院
数学综合报告会

报告题目：Some nonlocal semilinear differential inequalities

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报告摘要：

The potential theoretic methods were successfully applied by Grigor'yan, Sun, and Verbitsky to semilinear elliptic differential inequalities on manifolds. We observe that merely the quasi-metric property of the Green kernel leads to a minimal solution, without appealing to local Harnack inequalities. In this way, the potential theoretic approach can be applied to nonlocal semilinear inequalities related to the \alpha-th power of the Laplacian on manifolds. This talk is based on joint work with Qingsong Gu and Yuhua Sun.

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