



复旦大学数学科学学院 数学综合报告会

报告题目：Discrete Game Theory and Nonlinear Partial Differential Equations

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报告时间：2017-06-02 星期五 14:00-15:00

报告地点：光华东主楼 1801

摘要：We discuss game-theoretic approaches to various partial differential equations. We first describe the connection between discrete games and nonlinear equations involving the mean curvature operator and p -Laplace operators, with several recent developments. We then discuss applications of these game interpretations, especially to the study of convexity preserving properties for nonlinear parabolic equations.

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