



复旦大学数学科学学院 数学综合报告会

报告题目：**q-Partial Differential Equations and Applications**

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摘要：A q -partial differential equation is an equation containing unknown multivariable functions and their q -partial derivatives, which is a q -extension of the ordinary partial differential equation. The q -partial differential equations is a completely new research topic, which reveal some surprising connections between several branches of mathematics such as q -series, number theory and analytic functions of several complex variables. In this talk, I will introduce some research results in the q -partial differential equations with applications.

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