

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Rong-Qing Jia**

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报告题目:

**Applications of Wavelet Analysis to
Partial Differential Equations**

邀请人: 曹礼群 研究员

报告时间: 2018 年 9 月 14 日 (周五)

下午 16:00-17:00

报告地点: 数学院南楼九层

902 教室

Abstract:

In this talk we demonstrate that wavelet analysis can be used for both theoretical study and numerical computation of partial differential equations. In particular, we investigate smooth solutions of elliptic equations with non-smooth coefficients and establish global regularity of solutions of such equations. This result was not attainable by using traditional methods.

欢迎大家参加！