

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Kui Ren**

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报告题目:

**Quantitative Photoacoustics with
Nonlinear Physics**

邀请人: 陈志明 研究员

报告时间: 2017 年 6 月 7 日 (周三)

上午 10:00-11:00

报告地点: 数学院南楼六层

602 教室

Abstract:

We analyze two inverse problems in quantitative photoacoustics where we intend to reconstruct properties of heterogeneous media related to nonlinear physical effects, mainly nonlinear absorption and emission, from internal absorbed energy data. We derive uniqueness and stability results, and show some numerical simulations based on synthetic data to validate the theoretical analysis. Our main objective is to give an overview of the problem, recent results, and possible future research directions.

欢迎大家参加！