

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Hongyu Liu**

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报告题目:

**Regularized full and partial cloaks of
acoustic and electromagnetic waves**

邀请人: 郑伟英 研究员

报告时间: 2015 年 8 月 5 日 (周三)

上午 10:00~11:00

报告地点: 数学院南楼九层

902 会议室

Abstract:

This talk concerns the invisibility cloaking via the transformation-optics approach for acoustic and electromagnetic waves. Ideal cloaks make use of singular metamaterials, which poses server difficulties for both theoretical analysis and practical realization. Regularization is naturally introduced to avoid the singular structure, and instead of the ideal cloak, one considers the approximate cloak. The speaker will talk about several general regularized cloaking schemes, which can produce customized cloaking effects with full or limited apertures of detection and observation.

欢迎大家参加！