

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Jichun Li**

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报告题目:

Mathematical analysis and time-domain finite element modeling of invisibility cloaks with metamaterials

邀请人: 曹礼群 研究员

报告时间: **2015 年 8 月 14 日 (周五)**

上午 10:30~11:30

报告地点: **数学院南楼六层**

602 会议室

Abstract:

In the June 23, 2006's issue of Science magazine, Pendry et al. and Leonhardt independently published their works on electromagnetic cloaking. In Nov.10, 2006's Science, Pendry et al demonstrated the first practical realization of such a cloak with the use of artificially structured metamaterials. Since then, there is a growing interest in using metamaterials to construct invisibility cloaks. In this talk, I'll first give a brief introduction to wave propagation in metamaterials, then I'll focus on the mathematical analysis of some cloak models. Numerical simulations using finite element methods in time domain will be presented.

欢迎大家参加！