数学与系统科学研究院

计算数学所学术报告

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报告题目：

Introduction of the Recent Research Progress of Linear and Nonlinear Electro-elasticity Problems

邀请人： 曹礼群 研究员

报告时间：**2018 年 8 月 17 日（周五）**

下午 15:00-16:30

报告地点： 数学院南楼七层

702 教室

Abstract：

In the last few years there has been a growing interest for smart materials that exhibit large displacements, and change their mechanical behavior in response to the application of electric or magnetic fields. Electroactive polymers (EAPs) are considered to belong to this type of materials. Because of the nonlinear electro- and magneto-mechanical coupling behavior, special attention is required in solving nonlinear electro-elastic and magneto-elastic problems, especially when defects are involved. Based on the basic laws of electricity and elasticity, the recent research progress of linear and nonlinear electro-elasticity and some analyses for boundary-value problems of nonlinear electro-elasticity are introduced.

欢迎大家参加！