

数学与系统科学研究院

计算数学所学术报告

报告人: **Dr. JianFeng Lu**

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报告题目:

**From electrons to elasticity:  
Continuum limit of Kohn-Sham  
density functional theory**

邀请人: 明平兵研究员

报告时间: **2010年7月22日(周四)**

**下午 16:00~17:00**

报告地点: **科技综合楼三层 311**

**计算数学所报告厅**

## **Abstract:**

**Ab initio electronic structure models like density functional theory have been widely used in a range of applications. The mathematical understanding of these models are still sparse. In this talk, we will discuss some recent works about the continuum limit of the Kohn-Sham density functional theory, trying to build connection between density functional theory and the elasticity theory. (Joint work with Weinan E)**

**欢迎大家参加!**