

数学与系统科学研究院

计算数学所学术报告

报告人: **Assistant prof. Basang Tsering**

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报告题目:

Inverse problems for nematic liquid crystals

邀请人: 许现民 博士

报告时间: **2013 年 10 月 11 日 (周五)**

上午 10:00-11:00

报告地点: 科技综合楼三层 **311**

计算数学所报告厅

Abstract:

We study the problem of determining dielectric parameters in nematic liquid crystals from polarimetric measurements. This talk includes the uniqueness proof of the solution of the forward problem and the reconstruction of the dielectric parameter of a special uniaxial nematic liquid crystal. The main mathematical problem is the proof of the uniqueness solution of the system of Maxwell's equations with low regularity coefficients. This work is part of my phd thesis which was finished under the supervision of Prof J. M. Ball and Dr Y. Capdeboscq.

欢迎大家参加!