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

（ *University of Nevada Las Vegas* ）

报告题目：

Finite element analysis and simulation of surface plasmon polaritons in graphene

邀请人：　周爱辉 研究员

报告时间：2019 年 1 月 21 日（周一）

上午 10:00-11:00

报告地点：　数学院南楼七层

702 教室

Abstract:

Graphene was invented in 2004 and is often called a revolutionary material of the 21st century. Due to its outstanding electrical, mechanical, magnetic, and thermal properties, graphene has recently gained significant interest among scientists as evidenced by the award of The Nobel Prize in Physics 2010 to two graphene experts K.S. Novoselev and A.K. Geim. In this talk, I will focus on the development and analysis of a mathematical model for simulating the surface plasmon polaritons. Time-domain finite element method for solving this model will be presented. Finally, I will show some interesting numerical simulations. This is a joint work with Wei Yang and Yunqing Huang at Xiangtan University.

欢迎大家参加！