

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Lihua Shen**

(*University of Calgary, Canada*)

报告题目:

**A Multi-scale Stochastic Finite Element Method for
Random Heterogeneous Materials and its Validation
Using Immersed Interface Finite Element Method**

邀请人: **周爱辉 研究员**

报告时间: **2015 年 12 月 21 日(周一)**

上午 9:00~10:00

报告地点: **数学院南楼七层**

702 会议室

Abstract:

In this talk, a multi-scale stochastic finite element method for random heterogeneous materials is presented. To show its validation, Monte Carlo method combined with the immersed interface finite element method is used to simulate a type of simple random heterogeneous materials. The numerical results from the multi-scale stochastic finite element method, standard finite element method and the immersed interface finite element method are compared.

欢迎大家参加！