

数学与系统科学研究院

计算数学所学术报告

报告人: Prof. Claude Le Bris

(ENPC and INRIA, France)

报告题目:

**Stochastic homogenization and
randomness in materials science**

邀请人: 周爱辉研究员

报告时间: 2010年1月15日(周五)

下午 3:00—4:00

报告地点: 科技综合楼三层 311

计算数学所报告厅

Abstract:

**The talk will overview some recent
contributions on several theoretical aspects and**

numerical approaches in stochastic homogenization for the modelling of random materials. In particular, some variants of the classical theory of stochastic homogenization will be presented. Several numerical approaches will be presented, for acceleration of convergence in the deterministic and the stochastic cases, as well as for approximation of the stochastic problem when the random character is only a perturbation of a deterministic model.

The talk is based upon a series of joint works with PL Lions (College de France), X. Blanc (Paris 6 and CEA), A. Anantharaman, R. Costeaouec and F. Legoll (ENPC and INRIA).

欢迎大家参加！