数学与系统科学研究院

计算数学所学术报告

报告人：**Prof. Xiaobing Feng**

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报告题目：

Recent Developments in numerical methods for the stochastic Allen-Cahn equation

邀请人： 洪佳林 研究员

报告时间：**2018 年 8 月 16 日（周四）**

下午 16:00-17:00

报告地点： 数学院南楼二层

222 教室

Abstract：

In this talk I shall present some recent developments in numerical approximations of the stochastic Allen-Cahn equation with gradient-type multiplicative noises and its sharp interface limit, the stochastic mean curvature flow (SMCF). The focuses of the talk will be on discussing the new difficulties arising from numerical analysis of this nonlinear stochastic PDE and on illustrating the analytical techniques for overcoming these difficulties. Numerical results obtained by fast Monte Carlo finite element solvers will also be presented.

欢迎大家参加！