数学与系统科学研究院

计算数学所学术报告

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报告题目：

Competitive geometric evolution of lipid bilayers and pores

邀请人：　陈志明 研究员

报告时间：**2014** 年 **6** 月 **19** 日（周四）

　　　　　　上午 **10:00-11:00**

报告地点：　数学院南楼二层 **202** 会议室

Abstract：

We discuss the competitive geometric evolution of co-existing complex structures in amphiphilic mixtures, modeled by the functionalized Cahn-Hilliard (FCH) equation. The system supports lipid bilayers, filamentous pores, micelles, and complex network structures. We analyze the geometric evolution laws of bilayers and pores, respectively, the mechanism under which they compete, and the possibility of co-existence. This is joint work with Keith Promislow at Michigan State University.

欢迎大家参加！