数学与系统科学研究院

计算数学所学术报告

报告人：Assistant Prof. Chuan Xue

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报告题目：

Derivation of continuum models from individual-based models for chemotaxis of bacterial populations

邀请人： 谢和虎 研究员

报告时间：2017 年 7 月 3 日（周一）

上午 9:30-10:30

报告地点： 科技综合楼三层

311 报告厅

Abstract：

Chemotaxis is a fundamental process in the life of many prokaryotic and eukaryotic cells. Chemotaxis of bacterial populations has been modeled by both individual-based models that take into account the biochemistry of intracellular signaling, and continuum PDE models that track the evolution of the cell density in space and time. Continuum models have recently been derived from individual-based models under different assumptions. In this talk I will give an overview of the results along this line and discuss recent progress we made.

欢迎大家参加！