数学与系统科学研究院

计算数学所学术报告

报告人： **Dr. Jitse Niesen**

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报告题目：

Snaking on a network

邀请人： 洪佳林 研究员

报告时间： 2016 年 4 月 6 日（周三）

下午 **16:00-17:00**

报告地点： 数学院南楼六层

602 会议室

Abstract：

The Swift-Hohenberg equation is a PDE which serves as a model equation for pattern formation. It exhibits a phenomenon called snaking, in which many stable localized patterns co-exists at the same parameter values. We pose the equation on a complex network, replacing diffusion on a continuous space by diffusion along the network. Surprisingly, the phenomenon of snaking persists, even though known explanations depends on continuity. I will present some preliminary experiments and analysis of this observation.

欢迎大家参加！