

数学与系统科学研究院

计算数学所学术报告

报告人: 史作强 副教授

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报告题目:

PDE-based methods in learning manifold

邀请人: 刘歆 副研究员

报告时间: 2018 年 11 月 8 日 (周四)

下午 13:40-14:40

报告地点: 科技综合楼三层

311 报告厅

Abstract:

Manifold is very powerful to model the low dimensional structure hidden in high dimensional data. In this talk, I will introduce several PDE-based models to study the manifolds in image processing and data analysis. We will reveal the close connections between PDEs and some deep neural networks. Theoretical analysis and numerical simulations show that PDEs on manifold provide a powerful tool to understand high dimensional data.

欢迎大家参加！