



## 复旦大学数学科学学院 数学综合报告会

报告题目: Data-driven PDE Identification and Image Vectorization

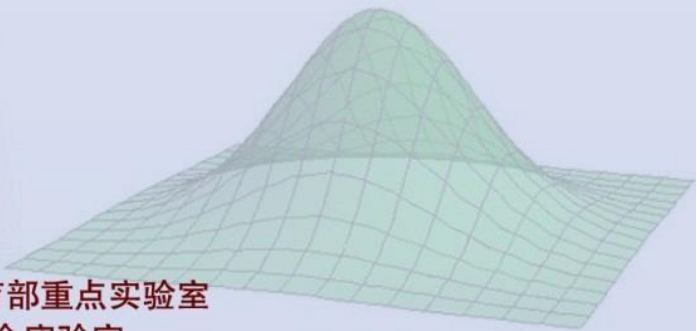
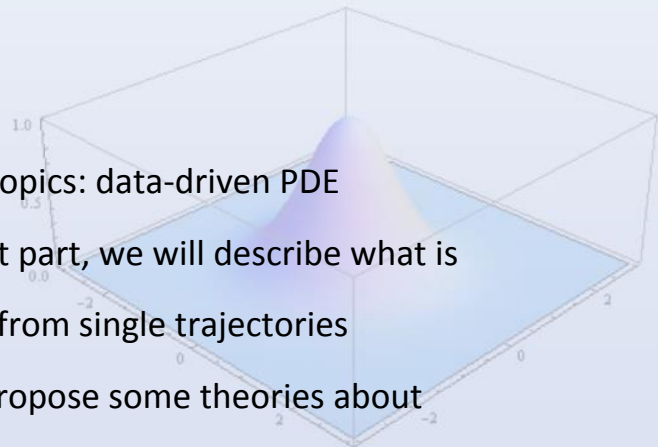
报告人: 何雨晨 (Shanghai Jiao Tong University)

时间: 2023-01-06 星期五 15:10—15:50

地点: Tencent meeting: 922-819-862

报告摘要:

In this talk, we will introduce two of my research topics: data-driven PDE identification and image vectorization. For the first part, we will describe what is PDE identification, and how we can identify them from single trajectories perturbed with noise. Most importantly, we will propose some theories about why and when a PDE can be identified. In the second part, we will discuss about image vectorization. We will talk about vector graphics compared to raster images and why do we use them. Then we will describe an effective method that converts raster images to vector graphics based on curve shortening evolution.



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