

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Jianfeng Cai**

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报告题目:

**Non-Convex Methods for Low-Rank
Matrix Reconstruction**

邀请人: 刘歆 副研究员

报告时间: 2017 年 8 月 29 日 (周二)

下午 15:30-16:30

报告地点: 科技综合楼楼三层

311 报告厅

Abstract:

We present a framework of non-convex methods for reconstructing a low rank matrix from its limited information, which arises from numerous practical applications in machine learning, imaging, signal processing, computer vision, etc. Our methods will be applied to several concrete example problems such as matrix completion, phase retrieval, and spectral compressed sensing with super resolution. We will also provide theoretical guarantee of our methods for the convergence to the correct low-rank matrix.

欢迎大家参加！