

数学与系统科学研究院

计算数学所学术报告

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报告题目:

**Two Algorithms for Matrix  
Completion**

邀请人: 白中治 研究员

报告时间: 2016 年 10 月 19 日(周三)

晚上 20:00-21:00

报告地点: 数学院南楼七层

702 教室

## **Abstract:**

**Matrix completion arises in many areas, it involves recovering a matrix from a subset of its entries by utilizing interdependency between the entries, typically through low-rank structure. Despite matrix completion requiring the global solution of a non-convex objective, there are many computational efficient algorithms which are effective for a broad class of matrices. In this talk, two algorithms will be introduced for matrix completion. One is a new gradient projection algorithm; another is a manifold-approximating algorithm. The numerical experiments show that these two algorithms are effective in different viewpoints.**

**欢迎大家参加！**