数学与系统科学研究院

计算数学所博士后定期学术报告

报告人： **Dr. Zhibao Li**

（ *Institute of Computational Mathematics and Scientific/Engineering Computing, CAS* ）

报告题目：

Structured constrained convex optimization for optimal beamformer design

报告时间：**2014 年 11 月 26 日（周 三）**

下午 16：00~17：00

报告地点： **数学院南楼七层**

702 会议室

Abstract：

In this paper, we consider the optimal beamformer design problem, i.e., the joint group delay and beamformer design problem. We introduce a new variable to represent the group delay and formulate the joint group delay and beamformer design problem as a structured constrained convex optimization (SCCO) problem. Moreover, we exploit the separable structures of the SCCO problem and propose to use the alternating direction method of multipliers (ADMM) to solve it. Numerical simulation results show the effectiveness of the proposed model in the reverberant environment by comparing it with the LCMV model.

欢迎大家参加！