

数学与系统科学研究院

计算数学所学术报告

报告人: **Dr. Tingting Wu**

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报告题目:

**Convergence of Alternating  
Direction Method of Multiplier for  
Solving a Class of Nonconvex  
Optimization Problems**

邀请人: 刘歆 副研究员

报告时间: 2016年1月29日(周五)

下午 15:00~16:00

报告地点: 科技综合楼三层

311 报告厅

## **Abstract:**

**In this talk, we give the global convergence of ADMM in solving a class of nonconvex optimization problems based on KL inequality.**

**We also establish the worst-case complexity of the method. Study on the difference between our work and the existent work is also provided.**

**The numerical performance of ADMM applying to the image processing problems is also demonstrated.**

**欢迎大家参加！**