数学与系统科学研究院

计算数学所学术报告

报告人：Assistant Prof. Alexander Engau

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报告题目：

Recent Progress with Interior-Point/Cutting-Plane Methods in Combinatorial Optimization

邀请人：　袁亚湘 院士

报告时间：2013 年 4 月 16 日（周二）

下午 15:30-16:30

报告地点：　科技综合楼三层 311

计算数学所报告厅

Abstract:

This presentation will give a broad overview of some of the recent enhancements of interior-point algorithms for the improved solution of linear/semidefinite relaxations in combinatorial optimization and binary quadratic programming. Our central topics are planned to cover general interior-point cutting-plane schemes, the efficient handling of free variables and large numbers of linear inequalities, and several warm-starting strategies. Considering applications from graph theory and combinatorics, facility layout design, and molecular biology, this talk will conclude with a brief discussion of selected computational results and summarize open questions for further research.

欢迎大家参加！