数学与系统科学研究院

计算数学所学术报告

报告人： **Prof. Karen Addal**

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报告题目：

Optimization ——— Theory and Applications

邀请人： 周爱辉 研究员

报告时间：2014 年 11 月 20 日(周 四）

下午 **13:30-14:15**

报告地点： 数学院南楼二层 **202**

会议室

Abstract：

Optimisation is an important mathematical discipline that is used in many dierent elds such as ambulance planning, computational biology where, for instance, the evolutionary relation between various species needs to be reconstructed. The aforementioned applications will serve as examples of applied optimisation research. In order to construct sound and ecient optimization strategies, it is crucially important to carry out rigorous mathematical analysis. To this extent, the following mathematical topics regarding optimization methods are considered

1. complexity of polytopes in optimisation

2. sequence-based methods for reconstructing phylogenetic networks

3. integer programming in cutting-planes

欢迎大家参加！