数学与系统科学研究院

计算数学所学术报告

报告人：Prof. Michael Hintermueller

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报告题目：

Nonsmooth Structures in PDE Constrained Optimization

邀请人： 龚伟 副研究员

报告时间：2017 年 6 月 6 日（周二）

下午 **14:30-15:30**

报告地点： 科技综合楼三层

311 报告厅

Abstract：

Motivated by several applications ranging from polymere membrane formation, solar concentrators or liquid displays, to spot markets for gas transport, optimal control problems with non-smooth structures are discussed. The latter occur in form of variational inequalities or lead to generalized Nash games with partial differential equations (PDEs). Besides existence analysis, the derivation of stationarity conditions is discussed and tailored solution algorithms are highlighted. Aspects of the associated numerical realization are addressed and numerical results are provided.

欢迎大家参加！