数学与系统科学研究院

计算数学所学术报告

报告人：**Associate prof. Garving Kevin Luli**

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报告题目：

Variational Problems on Arbitrary Sets

邀请人： 徐丽 博士

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下午 **15:00-16:00**

报告地点： 科技综合楼三层

301 报告厅

Abstract:

Let E be an arbitrary subset of R^n. Given real valued functions f defined on E and g defined on R^n, the classical Obstacle Problem asks for a minimizer of the Dirichlet energy subject to the following two constraints: (1) F = f on E and (2) F \geq g on R^n. In this talk, we will discuss how to use extension theory to construct (almost) solutions directly. We will also explain several recent results that will help lay the foundation for building a complete theory revolving around the belief that any variational problems that can be solved using PDE theory can also be dealt with using extension theory.

欢迎大家参加！