# 数学与系统科学研究院

# 计算数学所学术报告

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报告题目：

**Some geometric properties of discontinuous Galerkin finite element methods**

邀请人：　　唐贻发 研究员

报告时间：**2014** 年 **5** 月 **5** 日（周一）

上午 **10:45~11:45**

报告地点：　科技综合楼三层 **311**

计算数学所报告厅

**Abstract:**

**We examine some discrete notions of classical concepts arising in the study of certain PDEs, for example, what does it mean for a discontinuous Galerkin approximation to be convex, together with applications to Monge Ampere type problems. In addition we develop a discrete variational calculus to high order Lagrangians looking at a discontinuous Galerkin approximation scheme for the p-biharmonic problem as a prototypical example of a class of quasilinear 4th order problems.**

欢迎大家参加！