

# 数学与系统科学研究院

## 计算数学所学术报告

报告人: **Prof. Qiang Du**

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报告题目:

**Dimension specific geometry and  
implications in numerical PDE**

邀请人: 周爱辉研究员

报告时间: 2017 年 12 月 19 日(周二)

下午 16:00--17:00

报告地点: 数学院南楼七层

702 教室

报告摘要:

Increasing computing power provides us  
opportunities to solve complex PDEs over higher

**dimensional domains. While it is desirable to develop concepts and methods work universally in all dimensions, geometry nevertheless can change drastically with dimension that may impact the numerical discretization. We illustrate with some examples where the dimension specific thinking is critical. This includes in particular the solution of PDEs on optimal simplicial meshes.**

**欢迎大家参加！**