

数学与系统科学研究院  
计算数学所网络学术报告

报告人: 李雨文 博士

( *The Pennsylvania State University* )

报告题目:

**Reliable and Fast Numerical  
Methods in Finite Element Exterior  
Calculus**

邀请人: 周爱辉 研究员

报告时间: 2021 年 11 月 8 日 (周一)

上午 9:00-10:00

报告工具: 腾讯会议 (ID: 835 248 507)

## **Abstract:**

**Finite Element Exterior Calculus (FEEC) is a unified framework that relates numerical stability of mixed methods to geometry and topology. In this talk, I discuss my recent research results in this area. In particular, I will present my new results about a posteriori error estimation, optimality of adaptive algorithms, iterative solvers, and discontinuous Galerkin methods in FEEC.**

**欢迎大家参加！**