数学与系统科学研究院

计算数学所学术报告

报告人： **Prof. Hu Jun**

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报告题目：

Progress on Finite element methods for high order PDEs

邀请人： 明平兵 研究员

报告时间：**2013 年 9 月 25 日（周三）**

下午 16:00-17:00

报告地点： 科技综合楼三层 **311**

计算数学所报告厅

Abstract：

This talk will overview finite element methods for high order PDEs, espeically for fourth order PDEs. It will focus on two families of simplest finite element methods for high oreder PDEs in any dimension: one family consists of piecewise polymomials of degree no more than m, is nonconforming and defined over simplice meshes, and another consists of piecewise polynomials of degree no more than m in each variable, is conforming and defined over rectangular meshes. The talk will end with some new results on L2 norm error estimates for lower order finite element methods for high order PDEs.

欢迎大家参加！