

数学与系统科学研究院

计算数学所学术报告

报告人: **Research Prof. Shuonan Wu**

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报告题目:

A canonical nonconforming finite element for $2m$ -th order PDEs on simplicial grids when $m=n+1$

邀请人: 张硕 博士

报告时间: **2016 年 7 月 27 日 (周三)**

上午 10:00~11:00

报告地点: 科技综合楼三层

311 报告厅

Abstract:

In this talk, we discuss the nonconforming finite elements for $2m$ -th-order partial differential equations in \mathbb{R}^n on simplicial grids, especially for the case in which $m=n+1$. The proposed elements are natural extensions of the elements proposed in [M. Wang, J. Xu, Math. Comp., 2013], where $m \leq n$ is required. Numerical test for the 2D tri-harmonic problem is provided to validate the theoretical results.

欢迎大家参加！