

数学与系统科学研究院

计算数学所学术报告

报告人: Prof. Zhao Yanmin

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报告题目:

**High accuracy analysis of finite
element methods for time-fractional
diffusion equations**

邀请人: 唐贻发 研究员

报告时间: 2016年10月14日(周五)

晚上 19:00-20:00

报告地点: 数学院南楼七层

702 教室

Abstract:

Combining conforming and nonconforming finite element methods in spatial direction and L1 methods in temporal direction, we establish several fully-discrete approximate schemes for single-term and multi-term time-fractional diffusion equations in two-dimensional space. And, superclose and superconvergence results are derived by means of interpolation post-processing technique. Numerical examples verify the correctness and efficiency of theoretical analysis.

欢迎大家参加！