数学与系统科学研究院

计算数学所学术报告

报告人： Prof. Zhiqiang Cai

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报告题目：

A Posteriori Error Estimation and Adaptive Finite Element Method

邀请人： 曹礼群研究员

报告时间： 2007 年 12 月 13 日(周四)

下午 4:00—5:30

报告地点： 科技综合楼三层 311

计算数学所报告厅

Abstract:

In this talk, I will first review basic principles of existing *a posteriori* error estimators, and then introduce a framework for designing estimators of finite element approximations to partial differential equations and systems. In particular, I will introduce two new estimators. One of them may be viewed as a modification of the recovery-based estimator, and the other is an exact estimator in an ``energy'' norm on any given mesh. Convergence of adaptive finite element method based on the recovery-based estimators will be discussed as well.

欢迎大家参加！