

数学与系统科学研究院

计算数学所学术报告

(系列报告)

报告人: Prof. Zhi-min Zhang

(Wayne State University)

报告题目:

**Finite element superconvergence
recovery techniques**

邀请人: 周爱辉 & 明平兵研究员

报告时间:

1.) 2008年12月29日(周一)

上午9:00—12:00

2.) 2008年12月31日(周三)

上午9:00—12:00

**报告地点: 科技综合楼三层 311
计算数学所报告厅**

Abstract:

This is a series of lectures which introduce recovery techniques of the finite element method in a systematic way. The Zienkiewicz–Zhu' superconvergence patch recovery (SPR) and newly developed polynomial preserving recovery (PPR) will be discussed in details. Both numerical implementation and theoretical analyses will be covered. Recent progress in high accuracy eigenvalue approximation by the finite element method will also be discussed.

欢迎大家参加！