数学与系统科学研究院

计算数学所学术报告

报告人： **Prof. Yuesheng Xu**

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报告题目：

Fast Fourier–Galerkin Methods for Solving Singular Boundary Integral Equations

邀请人： 周爱辉研究员

报告时间： 2008 年 6 月 17 日(周二)

下午 4:00—5:00

报告地点： 科技综合楼三层 301

计算数学所报告厅

Abstract：

We propose a compression scheme to improve the classical Fourier–Galerkin method for soving singular boundary integral equations. It leads to a fast solver for such equations. We prove that the computational cost of the method is O(nlog n) with peserving the optimal order of convergence. Numerical examples will be presented to demonstrate the theoretical estimates.

欢迎大家参加！