

数学与系统科学研究院

计算数学所学术报告

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报告题目:

**Inverse Approximation of Algebraic
Polynomials and Finite Element
Solutions of the P-version**

邀请人: 石钟慈 院士

报告时间: **2013 年 7 月 17 日 (周三)**

下午 16:00-17:00

报告地点: **科技综合楼三层 311**

计算数学所报告厅

Abstract:

The inverse algebraic approximation is addressed and established in the Jacobi-weighted Sobolev and Besov spaces. With the inverse approximation of algebraic polynomials, we investigate the inverse approximation of the finite element solutions of the p-version, and prove the inverse approximation theorems for the finite element solutions of the p-version in the Chebyshev-weighted Besov spaces based upon the convergence rate measured in the energy norms for problems in two dimensions.

欢迎大家参加!