PIMS / AMI Seminar

Friday, March 16, 2012
3:00 p.m.
CAB 657

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

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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.

Refreshments will be served in CAB 649 at 2:30 p.m.