

"Robust parallel algebraic multigrid and multilevel techniques" organized by Svetozar Margenov

Lectures

1. On the role of the strengthened C.B.S. inequality in the theory of algebraic multilevel iteration (AMLI) methods. (Svetozar Margenov)
October 11, 2005, Time: 15:30 - 17:00, Room: T 1010
slides (pdf)
2. Optimal multilevel preconditioning of strongly anisotropic problems. Part I: conforming FEM. (Svetozar Margenov)
October 18, 2005, Time: 15:30 - 17:00, Room: T 1010
slides (pdf)
3. Optimal multilevel preconditioning of strongly anisotropic problems. Part II: non-conforming FEM. (Svetozar Margenov)
October 25, 2005, Time: 15:30 - 17:00, Room: T 1010
slides (pdf)
4. Robust AMLI preconditioning of FEM elasticity problems. (Svetozar Margenov)
November 22, 2005, Time: 15:30 - 17:00, Room: T 1010
slides (pdf)
5. Algebraic multilevel preconditioning using local Schur complements. (Johannes Kraus)
November 29, 2005, Time: 15:30 - 17:00, Room: T 1010
abstract (pdf), slides (pdf)

Seminars

1. Locally optimized parameters of AMLI algorithms for conforming FEM problems.
November 15, 2005, Time: 15:30 - 17:00, Room: T 1010
slides (pdf)
2. Multilevel methods with aggregation for nonconforming FEM problems.
December 6, 2005, Time: 15:30 - 17:00, Room: T 1010
3. Research seminar (discussion).
December 13, 2005, Time: 15:30 - 17:00, Room: T 1010