

Temple Summer Minisymposium on Computational Mathematics

Thursday July 8, 2010, 2:00-5:15
Wachman Hall 447

2:00 Benjamin Seibold, Temple University
A Gradient-Augmented Level Set Approach with Subgrid Resolution

2:30 Lahcen Laayouni, Al Akhawayn University, Ifrane, Morocco
(visiting Fulbright scholar)
*Optimized Schwarz algorithms for Solving Partial Differential Equations
with Periodic Solutions*

3:00 Fei Xue, Temple University
*Fast Inexact Implicitly Restarted Arnoldi Method for Generalized Eigen-
value Problems with Spectral Transformation*

3:30 Break

3:45 Marlliny Monsalve, Temple University
*Inexact Newton with Krylov Projection and Recycling for the Solution of
Riccati Equations*

4:15 Kirk Soodhalter, Temple University
A Schur Complement Approach for Solving a Nearly Hermitian System

4:45 Daniel Szyld, Temple University
Interpreting IDR as a Petrov-Galerkin Method

Everyone is cordially invited