Temple University Mathematics Colloquium

Michele Benzi

Emory University

will speak on

Solving Saddle Point Problems: Recent developments and new applications

Large linear systems of saddle point type arise frequently in the numerical solution of PDEs, in constrained optimization, in the analysis of electric networks, and elsewhere. Such linear systems are rather challenging to solve, and many new methods have appeared in recent years for solving such problems. In this talk I will give an overview on current developments in this very active area, with a focus on the nonsymmetric saddle point systems arising from the numerical solution of the Navier-Stokes equations.

MONDAY, NOVEMBER 22, 2004
LECTURE AT 4:00 PM (♯)
REFRESHMENTS FROM 3-5 PM.
ROOM 617, WACHMAN BUILDING
DEPARTMENT OF MATHEMATICS