DIFFERENTIAL GEOMETRY/PDE SEMINAR

Wednesday, May 4, 2005
Padelford C-36
3:50-5pm

L^p estimates for wave equations with coefficients of Sobolev regularity

Matt Blair
(UW)

In this talk, I will discuss problems in establishing L^p estimates for solutions to wave equations whose coefficients are not infinitely differentiable. After giving some background on the recent successes in this area, I will discuss these estimates in the case where the coefficients lie in a Sobolev space of sufficiently high order. Wave packets and their applications in proving such estimates will be introduced.

For more information about this seminar, visit the DG/PDE Seminar Web page (from the Math Department home page, `www.math.washington.edu`, follow the link **Seminars, Colloquia, and Conferences**).