23RD MIDWEST PARTIAL DIFFERENTIAL EQUATIONS SEMINAR

Room 165 Electrical Engineering Building

Saturday, April 16

9:30 Coffee and Donuts

10:00 E. HARABETIAN, University of Michigan
A Cauchy-Kovalevsky theorem for hyperbolic systems of conservation laws with piecewise analytic initial data

11:15 J. ESCOBAR, University of Chicago
The Yamabe problem on manifolds with boundary

Lunch

2:15 D. CHRISTOUDOULU, Courant Institute
Some mathematical problems in general relativity

3:30 L. SIMON, Stanford University
Perturbing away singularities of harmonic maps

4:40 R. KOHN, Courant Institute
Motion by mean curvature, parabolic harmonic maps and singular perturbations of evolution partial differential equations

Sunday, April 17

8:30 Coffee and Donuts

9:00 R. MELROSE, Massachusetts Inst. of Technology
Shrinking tubes, quantization and blowing-up

10:15 M. SLEMROD, University of Wisconsin
Riemann problem for the van der Waals fluid

11:25 L. TARTAR, Carnegie Mellon University
The homogenization point of view in partial differential equations

Organizers: Patricio Aviles & Robert Muncaster, Department of Mathematics

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