

SECOND ANNOUNCEMENT

20th Midwest Partial Differential Equations Seminar

Purdue University, Department of Mathematics

The Twentieth Midwest P.D.E. Seminar will be held at Purdue University on October 25 & 26, 1986. All talks will be held in the Auditorium in the Mathematical Sciences Building, Room 175.

SATURDAY, October 25, 1986

- 9:15am - 10:00am Coffee and donuts, Library Lounge, 3rd Floor
- 10:00am - 11:00am CATHLEEN MORAWETZ (Courant Institute)
"Transonic flow and compensated compactness"
- 11:00am - 11:30am Coffee Break, Library Lounge, 3rd Floor
- 11:30am - 12:30pm ROBERT F. SEKERKA (Carnegie-Mellon University)
"Recent developments in the weakly nonlinear theory of morphological stability"
- 12:30pm - 2:15pm Lunch
- 2:15pm - 3:15pm TAI PING LIU, (University of Maryland)
"Nonlinear hyperbolic conservation laws and related topics"
- 3:15pm - 3:40pm Coffee Break, Library Lounge, 3rd Floor
- 3:40pm - 4:40pm NICHOLAS LERNER (Purdue University)
"Interaction of singularities for nonlinear hyperbolic equations"
- 4:45pm - 5:45pm DAVID H. SATTINGER (University of Minnesota)
"Gauge theories of Backlund transformations"
- 6:30pm Dinner at the Hunan Restaurant
- 8:00pm Party at the Baouendi's

SUNDAY, October 26, 1986

- 8:30am - 9:15am Breakfast, Library Lounge, 3rd Floor
- 9:15am - 10:15am LEON SIMON (Stanford University)
"Rates of asymptotic convergence near isolated singularities of geometric extrema"
- 10:20am - 11:20am JEAN PIERRE ROSAY (Université de Provence and University of Wisconsin)
"Holomorphic functions and C^∞ wave front"
- 11:20am - 11:45am Coffee Break, Library Lounge, 3rd Floor
- 11:45am - 12:45pm ROGER TEMAM (University of Paris at Orsay and Indiana University)
"Rearrangement, relative rearrangement and applications"