

Midwest Dynamical Systems Seminar
Indiana University - Purdue University Indianapolis
October 13-15, 2006

All talks are in the Informatics & Communications Technology Complex
(535 W. Michigan Street, between West and California), IT 252.

Friday, October 13

- 3:30 **Anna Mummert** (Michigan State University) *A variational principle for discontinuous potentials*
- 4:30 **Coffee break**
- 5:00 **Sheldon Newhouse** (Michigan State University) *Estimating topological entropy on surfaces*

Saturday, October 14

- 8:30 **Coffee and refreshments**
- 9:00 **Rodrigo Perez** (IUPUI) *The spectral problem at the Feigenbaum point*
- 10:00 **Coffee break**
- 10:30 **Eric Bedford** (Indiana University) *Dynamics of birational mappings of the plane*
- 11:30 **Break**
- 11:40 **Paul Wright** (Courant Institute) *Some rigorous results for a simple model of the adiabatic piston problem*
- 12:40 **Lunch**
- 2:30 **John Franks** (Northwestern University) *Fixed points of abelian actions*
- 3:30 **Coffee break**
- 4:00 **Francois Ledrappier** (University of Notre Dame) *Linear drift for actions by isometries on a proper space*
- 5:00 **Break**
- 5:10 **Manfred Einsiedler** (Ohio State University) *(Effective) Measure rigidity for actions of semisimple groups*
- 8:00 **Party**

Sunday, October 15

- 9:00 **Coffee and refreshments**
- 9:30 **Araceli Medina-Bonifant** (University of Rhode Island) *Some examples of cylinder maps*
- 10:30 **Coffee break**
- 11:00 **Marlies Gerber** (Indiana University) *A new construction of a metric on \mathbf{T}^3 with ergodic geodesic flow*