

17th MIDWEST PDE SEMINAR
Northwestern University
April 20-21, 1985

Saturday

10:00-11:00

John Ball (Heriot-Watt University):
Minimizers and the Euler-Lagrange equations.

11:30-12:30

Andrew Majda (Princeton University):
Multi-dimensional shock fronts for second order wave
equations.

2:00-3:00

Robert Hardt (University of Minnesota):
Liquid crystals and other mapping problems

3:15-4:15

Bradley Plohr (University of Wisconsin):
Front tracking in the numerical solution partial differential
equations

4:30-5:30

Ronald Gariepy (University of Kentucky):
Local behavior of solutions of an elliptic-parabolic equation

Sunday

9:30-10:30

Daniel Phillips (Purdue University):
Free boundaries for semilinear equations

11:00-12:00

Richard Schoen (University of California, San Diego)
The equation for prescribed scalar curvature

12:30-1:30

Jerry Bona (University of Chicago):
Smoothing and blow-up for some nonlinear wave equations.

ALL TALKS WILL BE HELD IN LEVERONE G-208

- * There will be a cocktail party at the Friedman's (2669 Orrington Avenue, Evanston) Saturday after the last talk.
- ** The Library Plaza (312 864-8000) and the Orrington Hotel (312 866 8700) are holding block reservations until April 5.