STOCHASTICS AND DYNAMICS SCHEDULE.

Thursday May 6.

Small perturbations of dynamical systems.

12:10–1:00 M. Freidlin *Perturbation theory for systems with many invariant measures*

1:00-3:00 LUNCH AND INFORMAL DISCUSSIONS

3:00–3:50 A. Wentzell *The Neuman problem for second order PDE's with a small papameter and corresponding diffusion processes*

4:10–5:00 Yu. Bakhtin *Scaling limits for exit distributions*

Friday May 7

Homogenization of PDEs.

9:30–10:20 G. Bal *Equations with random coefficients: Convergence to deterministic or stochastic limits and theory of correctors*

10:40–11:30 L. Ryzhik *The weak coupling limit for the solutions of the Schroedinger equation*

11:50–12:40 J. Nolen *Homogenization of a level-set equation in random media*

Saturday May 8.

Polymers.

9:30–10:20 K. Alexander *Disordered-polymer depinning transitions: An overview*

10:40–11:30 M. Cranston *Some results on polymers, phase transitions, overlaps*

11:50-12:40 K. Khanin *Intermediate Disorder for Directed Polymers in Dimension 1+1*

12:40–3:00 LUNCH AND INFORMAL DISCUSSIONS

3:00-3:50 S. Molchanov *Asymptotic Properties of Random Schrodinger Operators in the presence of Lifshitz tails*

Sunday May 9.

9:30–10:20 D. Dolgopyat *Averaging theory for systems with quasiperiodic fast motion*

10:40–11:30 J. Mattingly *TBA*