MATH 667, winter 05, "In class presentations"

The in-class presentations are 20-25 minutes in length and will be given approximately at the date given below. In addition the student is required to submit a written version of his/her presentation on the day of the presentation.

1. l^p-spaces, definition and l^p is complete. Feb 07, 05

   Robinson p. 32-33.

2. Banach-spaced valued functions, Proposition 7.1 + proof Feb 11, 05

   Robinson pp. 190, 191.

3. Uniqueness of solutions of the Navier-Stokes eq. in 2-D March 09, 05

   Robinson, pp. 250, 251.

4. An absorbing set for Reaction-Diffusion equations in L^2, March 18, 05

   Robinson, Proposition 11.1 p. 286-287.

5. A growth bound for linearly bounded nonlinearity for R-D eq.s. March 21, 05

   Robinson, Lemma 11.9 + proof, p. 296, 297.

6. A Lyapunov function for R-D eq.s March 23, 05

   Robinson, Proposition 11.13 + proof. p. 299,300.

7. NS-eq: Absorbing set in L^2. March 30, 05

   Robinson, Proposition 12.1 + proof. p. 310, 311.

8. NS-eq: Absorbing set in H^1. April 01, 05

   Robinson, Proposition 12.2 + proof. p. 311, 312.

9. Examples of fractal dimension. April 06, 05

   Robinson, Examples 13.3, 13.4, 13.5, pp 328, 329.