MATHEMATICS 647-PDE, Spring 2013
List of Projects — due Wednesday, May 1st:

1. Gibbs Phenomenon, page 37, problems 25, 26, 27, 28 - Madison May and Michael Agre

2. Optimization problem, page 59, pr.18 Robert Schlicht and Max Wick

3. Complex Exponential Function, page 67, problems 16, 17, 18 - Paulo Eusebio

4. Damped Vibrations of a string, page 124, problems 12, 13, 14, 15 - Payam Poorsolhjouy

5. A non-homogeneous wave problem, page 145, problems 16, 17 - Homer Kay and Jackson Young

6. A problem with positive and negative values of the separation constant, page 153, problems 17, 18 - CJ Harries

7. Bar with two radiating ends, page 154, problems 19, 20 - Bradley Vonada

8. Three-dim Laplace equation and Dirichlet problems, page 169, problems 12, 13 - Aaron Doudna and Skylar Koerner

9. Radially symmetric heat equation on a disk, page 206, problems 10, 11 - Chenaniah Langness

10. Two-dimensional heat equation, page 216, problems 11, 12 - Peiyi Zhang

11. Two-dimensional heat equation with a non-homogeneous boundary condition, page 226, problems 25, 26 and 27 - Nathan Wendt and Katie Gebauer

12. Poisson integral formula on a disk, page 227, problems 28, 29 - Christina Davis


14. The quantum harmonic oscillator, page 580, problems 4, 5, 6 - Daniel Knight