Project 3

1. Write a survey paper on the paper in project 3 supplement. *B.V.P*

2. Use the finite difference method to discretize the boundary value problem in 1D. Try to solve the problem via some regularization methods, like truncated SVD, Tikhonov schemes or Landweber iteration.

3. Try to generalize your method in 2D or 3D. What's the main difficulty in your method.

4. Apply the parameter identification idea to some similar practical problems from your major background.

Due: 10:00am *19. April* **. Please email your project to jzlisustc@gmail.com**