Outline of Lecture 3: Linear Tomography

I. What Is Linear Tomography?

   A. Traveltime tomography example

   B. Concept of a solution

   C. Role of least squares, SVD

II. Approximate and Generalized Inverses

   A. Damped and weighted least squares

   B. Truncated SVD

   C. Backprojection

   D. The adjoint

   E. Backus-Gilbert inverse

   F. Role of resolution