

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