

Term Project #3 – Inverse Theory/Tomography

Tomography provides a rather natural playground for inverse theory. And while I have provided a simple homework problem on it, a more complicated system can quickly become a monster calculation, not a term project! Luckily (again) Aster, Borchers, and Thurber have provided some well developed intermediate calculations, and running through a couple of them is about the right level for a project. You will need to access the ABT website for the data for these. Also, you will need to be familiar with Chapters 1-4 of the text, which contain the “basics” according to the authors preface.

- 1) Chapter 3, Problem 4 – Find dinosaur remains in a sandstone quarry!
- 2) Chapter 4, Problem 3 – Learn the basics of cross-well tomography!

MIT OpenCourseWare
<http://ocw.mit.edu>

2.682 Acoustical Oceanography
Spring 2012

For information about citing these materials or our Terms of Use, visit: <http://ocw.mit.edu/terms>.