

Travel Time Transmission and Reflection Tomography

Gunther Uhlmann
Mathematics, University of Washington
gunther@math.washington.edu

Abstract

We review several results that concern the determination of the anisotropic index of refraction of a medium by measuring the scattering relation, in the case of transmission tomography, joint work with L. Pestov and P. S Stefanov, or the broken scattering relation in the case of reflection seismology, joint work with Y. Kurylev and M. Lassas.