

1. Record Nr.	UNINA9910817176203321
Titolo	Inverse problems : theory and applications : INdAM Workshop on Inverse Problems and Applications, June 3-9, 2002, Cortona, Italy : Special Session at AMS-UMI First Joint International Meeting on Inverse Boundary Problems and Applications, June 12-16, 2002, Pisa, Italy // Giovanni Alessandrini, Gunther Uhlmann, editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [2003] ©2003
ISBN	0-8218-7923-5
Descrizione fisica	1 online resource (228 p.)
Collana	Contemporary mathematics, , 0271-4132 ; ; 333 , 0271-4132
Disciplina	515/.357
Soggetti	Inverse problems (Differential equations)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Contents -- Preface -- Size estimates -- Uniqueness in the inverse conductivity problem for thin imperfections weakly or strongly conducting -- Asymptotic formulas for perturbations in the electromagnetic fields due to the presence of thin inhomogeneities -- A resolution study for imaging and time reversal in random media -- Optimal three cylinder inequalities for solutions to parabolic equations with Lipschitz leading coefficients -- Some problems for the application of inverse techniques to environmental modeling -- Uniqueness and stability in the Cauchy problem for the elasticity system with residual stress -- Using a Hankel function expansion to identify stiffness for the boundary impulse input experiment -- On the uniqueness of solutions of higher order nonlinear dispersive equations -- Reconstruction of a manifold from electromagnetic boundary measurements -- Direct and inverse problems for second-order integro-differential operator equations in an unbounded time interval -- Geometrical optics for generic anisotropic materials -- Linear approaches in microwave tomography -- Optical tomography in weakly anisotropic scattering media -- Inverse problems in three-body scattering.

