

1. Record Nr.	UNINA9910788634503321
Titolo	Mathematical and statistical methods for imaging : NIMS Thematic Workshop : mathematical and statistical methods for imaging, August 10-13, 2010, Inha University, Incheon, Korea // Habib Ammari [and three others], editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [2011] ©2011
ISBN	0-8218-8227-9 0-8218-5289-2
Descrizione fisica	1 online resource (178 p.)
Collana	Contemporary mathematics, ; 548 , 0271-4132
Classificazione	34A5535R3035A2035B4044A1278M0578M2578A45
Disciplina	621.36/70151
Soggetti	Image processing - Mathematics Electromagnetic theory - Mathematics Differential equations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	NIMS is the National Institute of Mathematical Sciences, located in Daejeon, South Korea.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Contents -- Preface -- Use of random matrix theory for target detection, localization, and reconstruction -- Resolution limits in source localization and small inclusion imaging -- Transient wave imaging of anomalies: A numerical study -- Numerical solution of the inverse source problem for the Helmholtz equation with multiple frequency data -- Reconstruction of the shape of an inclusion from elastic moment tensors -- Path integrals and optical tomography -- Denoising of Bz data for conductivity reconstruction in magnetic resonance electrical impedance tomography (MREIT) -- Time reversal for inclusion detection in one dimensional randomly layered media -- Some anisotropic viscoelastic Green functions -- Time reversal in attenuating acoustic media.