

1. Record Nr.	UNINA9910257452503321
Titolo	Applied Inverse Problems [[electronic resource]] : Lectures presented at the RCP 264 "Etude Interdisciplinaire des Problemes Inverses", sponsored by the Centre National de la Recherche Scientifique / / edited by P. C. Sabatier
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1978
ISBN	3-540-35594-4
Edizione	[1st ed. 1978.]
Descrizione fisica	1 online resource (V, 425 p.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 85
Disciplina	530.12
Soggetti	Quantum physics Geophysics Quantum computers Spintronics Quantum Physics Geophysics/Geodesy Quantum Information Technology, Spintronics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	to applied inverse problems -- Ray theoretical inverse methods in geophysics -- Inverse methods applied to continuation problems in geophysics -- Linear inverse theory with a priori data -- Application of linear programming to the inverse gravity or magnetic problem basic numerical techniques -- Analytic extrapolations and inverse problems -- Stieltjes functions and approximate solutions of an inverse problem -- Quelques methodes sur la recherche d'un domaine optimal -- Diverses donnees spectrales pour le probleme inverse discret de Sturm-Liouville -- On the regularization of linear inverse problems in Fourier optics -- Determination of the index profile of a dielectric plate from scattering data -- Inversion-like integral equations -- Inverse method for off-shell continuation of the scattering amplitude in quantum mechanics -- Utilisation des groupes de transformation pour la resolution des equations aux derivees partielles -- Spectral

transform and nonlinear evolution equations -- What you always wanted to know about the application of inverse problems to nonlinear equations (or what you would like to do with the I.S.T. -- On the inverse problem of local seismic foci -- An inverse problem for electromagnetic prospection -- Survey of the phenomenological approach to the inverse problem in elementary particles scattering -- A study of an inverse problem for finite range potentials -- Algorithmes pour un probleme inverse discret de sturm-liouville -- Construction of Regge amplitudes through solution of S-matrix equations -- Gel'fand-Levitan theory of the inverse problem for singular potentials.
