

1. Record Nr.	UNISA996466690703316
Titolo	Inverse Problems in Mathematical Physics [[electronic resource]] : Proceedings of The Lapland Conference on Inverse Problems Held at Saariselkä, Finland, 14–20 June 1992 // edited by Lassi Päivärinta, Erkki Somersalo
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1993
ISBN	3-540-47947-3
Edizione	[1st ed. 1993.]
Descrizione fisica	1 online resource (XVIII, 256 p. 8 illus.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 422
Disciplina	530.1
Soggetti	Mathematical physics Observations, Astronomical Astronomy—Observations Astrophysics Geophysics Theoretical, Mathematical and Computational Physics Astronomy, Observations and Techniques Astrophysics and Astroparticles Geophysics/Geodesy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Stability for the crack determination problem -- Layer-stripping reconstruction algorithms in impedance imaging -- Determination of the inhomogeneous term in evolution equations -- Target signatures for Maxwell's equations -- The use of Graßmann identities for inversion of a general model in diffuse tomography -- Generic uniqueness and stability in some inverse parabolic problem -- Regularization — Analytic and stochastic aspects -- Problems in impedance imaging -- Uniqueness for inverse problems in quasilinear differential equations -- Diffraction by periodic structures -- On uniqueness in inverse obstacle scattering -- The inverse Scattering Problem for a homogeneous Bi-isotropic Slab Using Transient data -- On the inverse scattering problem for rational reflection coefficients -- Some

geometric aspects of multidimensional inverse spectral problems -- Three dimensional time harmonic inverse electromagnetic scattering -- Determination of a radially symmetric speed of sound from transmission eigenvalues -- A finite difference method for the inverse scattering problem at fixed frequency -- Present status of the generalized Marchenko method for the solution of the inverse scattering problem in three dimensions -- Inverse spectral problems in riemannian geometry -- Local results for a two dimensional inverse conductivity problem -- Inverse scattering at fixed energy for exponentially decreasing potentials -- Inverse problems related to integrable nonlinear partial differential equations -- Some estimates of green function and applications in inverse scattering theory for the Schrödinger operator with a singular potential -- Reconstruction of electromagnetic parameters from boundary measurements -- Inverse boundary value problems for Schrödinger operators -- Linearizations of anisotropic inverse problems -- Optimal parameter choice for Tikhonov regularization in Hilbert scales -- Identification of the filtration coefficient.

Sommario/riassunto

The book contains presentations of recent and ongoing research on inverse problems and its application to engineering and physical sciences. The articles are structured around three closely related topics: Inverse scattering problems, inverse boundary value problems, and inverse spectral problems. The applications range from quantum and electromagnetic scattering to medical imaging, geophysical sounding of the Earth, and non-destructive material evaluation. The book gives an up-to-date presentation of the most recent developments in these rapidly changing and evolving fields of applied research. The contributors of the volume give extra emphasis to the pedagogical aspects of their presentation to make this collection easily accessible to graduate students as well as to people working on nearby fields of research.

2. Record Nr.	UNINA9910410024303321
Autore	Francis Ronald
Titolo	Equality in Theory and Practice : A Moral Argument for Ethical Improvements // by Ronald Francis
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-3488-8
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (244 pages)
Disciplina	305
Soggetti	Law—Philosophy Law Social justice Human rights Political science Sex and law Theories of Law, Philosophy of Law, Legal History Social Justice, Equality and Human Rights Philosophy of Law Human Rights Gender, Sexuality and Law
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to Equality -- Physical Matters -- Psychological Approaches -- Personality -- Culture -- Business -- Communication -- Corruption -- Politics -- Sex Differences -- Slavery -- Quantification of Social Variables -- Theories -- General Conclusions
Sommario/riassunto	This book is an account of the concept of equality from the perspective of both theory and practice, and presents methods of quantifying values. It considers both arguments and evidence, and tackles equality in its different forms, including economic equality, education, equality before the law, equality of opportunity, and gender equality. The book shows that inequality is a profoundly moral question, noting that there are good practical reasons for its adoption. It presents a consideration of classical theories from Aristotle to Hume, as well as contemporary

approaches such as those offered by Rawls, Haidt, Temkin, and Parfit. It also contemplates issues such as the naturalistic fallacy, and considers what is different about the Goleman view of moral sensitivity and the ethical personality. The array of evidence includes the impact of climate and various plants such as sugar and cotton on the slave trade, the concept of Gaia, Darwinism, sex inequality, personality, culture, psychological issues, and the quantification of ethics. The book concludes with some practical suggestions for improving equality. It aims to raise awareness of the ways in which equality can be understood, and achieved. It will be relevant to students and scholars in philosophy, human rights, and law.
