1. Record Nr. UNINA990004820000403321

Autore	Zamora Vicente, Alonso
Titolo	Camilo José Cela : (Acercamiento a un Escritor) / Alonso Zamora Vicente
Pubbl/distr/stampa	Madrid : Gredos, c1962
Descrizione fisica	250 p. ; 19 cm
Collana	Biblioteca románica hispánica . 7. , Campo abierto ; 5
Locazione	FLFBC
Collocazione	YP 6 VII 5
Lingua di pubblicazione	Spagnolo
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910461308603321

Autore	Gzyl Henryk <1946->
Titolo	Linear inverse problems [[electronic resource]] : the maximum entropy connection (with CD-ROM) / / Henryk Gzyl, Yurayh Velasquez
Pubbl/distr/stampa	Hackensack, N.J., : World Scientific, 2011
ISBN	1-283-14868-4 9786613148681 981-4338-78-8
Descrizione fisica	1 online resource (351 p.)
Collana	Series on advances in mathematics for applied sciences ; ; v. 83
Altri autori (Persone)	VelasquezYurayh
Disciplina	515/.357
Soggetti	Inverse problems (Differential equations) Maximum entropy method Electronic books.
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	Preface; Contents; List of Figures; List of Tables; 1. Introduction; 2. A

collection of linear inverse problems; 2.1 A battle horse for numerical computations; 2.2 Linear equations with errors in the data; 2.3 Linear equations with convex constraints; 2.4 Inversion of Laplace transforms from finite number of data points; 2.5 Fourier reconstruction from partial data; 2.6 More on the non-continuity of the inverse; 2.7 Transportation problems and reconstruction from marginals; 2.8 CAT; 2.9 Abstract spline interpolation; 2.10 Bibliographical comments and references; References
3. The basics about linear inverse problems3.1 Problemstatements; 3.2 Quasi solutions and variational methods; 3.3 Regularization and approximate solutions; 3.4 Appendix; 3.5 Bibliographical comments and references; References; 4. Regularization in Hilbert spaces: Deterministic and stochastic approaches; 4.1 Basics; 4.2 Tikhonov's regularization scheme; 4.3 Spectral cutoffs; 4.4 Gaussian regularization of inverse problems; 4.5 Bayesianmethods; 4.6 The method ofmaximumlikelihood; 4.7 Bibliographical comments and references; References; 5. Maxentropic approach to linear inverse problems
5.1 Heuristic preliminaries5.2 Some properties of the entropy functionals; 5.3 The direct approach to the entropic maximization problem; 5.4 Amore detailed analysis; 5.5 Convergence ofmaxentropic estimates; 5.6 Maxentropic reconstruction in the presence of noise; 5.7 Maxentropic reconstruction of signal and noise; 5.8 Maximum entropy according to Dacunha-Castelle and Gamboa. Comparison with Jaynes' classical approach; 5.8.1 Basic results; 5.8.2 Jaynes' and Dacunha and Gamboa's approaches; 5.9 MEM under translation; 5.10 Maxent reconstructions under increase of data
5.11 Bibliographical comments and referencesReferences; 6. Finite dimensional problems; 6.1 Two classical methods of solution; 6.2 Continuous time iteration schemes; 6.3 Incorporation of convex constraints; 6.3.1 Basics and comments; 6.3.2 Optimization with differentiable non-degenerate equality constraints; 6.3.3 Optimization with differentiable, non-degenerate inequality constraints; 6.4 The method of projections in continuous time; 6.5 Maxentropic approaches; 6.5.1 Linear systems with band constraints; 6.5.2 Linear system with Euclidean norm constraints
6.5.3 Linear systems with non-Euclidean norm constraints6.5.4 Linear systems with solutions in unbounded convex sets; 6.5.5 Linear equations without constraints; 6.6 Linear systems with measurement noise; 6.7 Bibliographical comments and references; References; 7. Some simple numerical examples and moment problems; 7.1 The density of the Earth; 7.1.1 Solution by the standard L2[0, 1] techniques; 7.1.2 Piecewise approximations in L2([0, 1]); 7.1.3 Linear programming approach; 7.1.4 Maxentropic reconstructions: Influence of a priori data; 7.1.5 Maxentropic reconstructions: Effect of the noise
7.2 A test case

Sommario/riassunto

This book describes a useful tool for solving linear inverse problems subject to convex constraints. The method of maximum entropy in the mean automatically takes care of the constraints. It consists of a technique for transforming a large dimensional inverse problem into a small dimensional non-linear variational problem. A variety of mathematical aspects of the maximum entropy method are explored as well.

3.

Record Nr.	UNISALENTO991001109019707536
Autore	Carroll, Michael M.
Titolo	Nonlinear effects in fluids and solids / edited by Michael M. Carroll and Michael A. Hayes
Pubbl/distr/stampa	New York : Plenum Press, c1996
ISBN	0306451794
Descrizione fisica	xxi, 358 p. : ill. ; 24 cm.
Collana	Mathematical concepts and methods in science and engineering ; 45
Classificazione	53.1.34 53.1.36 53.6.3 53.7.8 53.9 531 QA808.2.N64
Altri autori (Persone)	Hayes, Michael A.
Soggetti	Continuum mechanics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes bibliographical references and index.