

1. Record Nr.	UNINA9910450734703321
Autore	Ramm A. G (Alexander G.)
Titolo	Random fields estimation [[electronic resource] /] / Alexander G. Ramm
Pubbl/distr/stampa	Hackensack, NJ, : World Scientific, c2005
ISBN	1-281-89914-3 9786611899141 981-270-315-2
Descrizione fisica	1 online resource (388 p.)
Altri autori (Persone)	RammA. G (Alexander G.).
Disciplina	519.2
Soggetti	Random fields Estimation theory Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Based partly on the author's earlier book: Random fields estimation theory. Harlow, Essex, England : Longman Scientific & Technical ; New York : Wiley, 1990.
Nota di bibliografia	Includes bibliographical references (p. 363-369) and index.
Nota di contenuto	Preface; Contents; 1. Introduction; 2. Formulation of Basic Results; 3. Numerical Solution of the Basic Integral Equation in Distributions; 4. Proofs; 5. Singular Perturbation Theory for a Class of Fredholm Integral Equations Arising in Random Fields Estimation Theory; 6. Estimation and Scattering Theory; 7. Applications; 8. Auxiliary Results; Appendix A Analytical Solution of the Basic Integral Equation for a Class of One-Dimensional Problems; Appendix B Integral Operators Basic in Random Fields Estimation Theory; Bibliographical Notes; Bibliography; Symbols; Index
Sommario/riassunto	This book contains a novel theory of random fields estimation of Wiener type, developed originally by the author and presented here. No assumption about the Gaussian or Markovian nature of the fields are made. The theory, constructed entirely within the framework of covariance theory, is based on a detailed analytical study of a new class of multidimensional integral equations basic in estimation theory. This book is suitable for graduate courses in random fields estimation. It can also be used in courses in functional analysis, numerical analysis, integral equations, and scattering theory.

