

1. Record Nr.	UNINA9910254070703321
Autore	Richter Mathias
Titolo	Inverse Problems : Basics, Theory and Applications in Geophysics // by Mathias Richter
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Birkhäuser, , 2016
ISBN	3-319-48384-6
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XII, 240 p. 52 illus., 32 illus. in color.)
Collana	Lecture Notes in Geosystems Mathematics and Computing, , 2730-5996
Disciplina	515.357
Soggetti	Numerical analysis Physics Geophysics Numerical Analysis Numerical and Computational Physics, Simulation Geophysics/Geodesy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1.Characterization of Inverse Problems -- 2.Discretization of Inverse Problems -- 3.Regularization of Linear Inverse Problems -- 4. Regularization of Nonlinear Inverse Problems -- Appendix: A.Results from Linear Algebra -- B.Function Spaces -- C.The Fourier Transform -- D.Proofs of Theorems from Chapter 3.
Sommario/riassunto	The overall goal of the book is to provide access to the regularized solution of inverse problems relevant in geophysics without requiring more mathematical knowledge than is taught in undergraduate math courses for scientists and engineers. From abstract analysis only the concept of functions as vectors is needed. Function spaces are introduced informally in the course of the text, when needed. Additionally, a more detailed, but still condensed introduction is given in Appendix B. A second goal is to elaborate the single steps to be taken when solving an inverse problem: discretization, regularization and practical solution of the regularized optimization problem. These steps are shown in detail for model problems from the fields of inverse

gravimetry and seismic tomography. The intended audience is mathematicians, physicists and engineers having a good working knowledge of linear algebra and analysis at the upper undergraduate level.

2. Record Nr.	UNINA9910624319303321
Titolo	Atlas of Esophageal Surgery // edited by Fernando A. M. Herbella, Marco G. Patti
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-031-12790-0
Edizione	[2nd ed. 2022.]
Descrizione fisica	1 online resource (164 pages)
Collana	Medicine Series
Disciplina	929.374
Soggetti	Gastroenterology Surgery General Surgery Esòfag Cirurgia Atles (Científic) Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. History of esophageal surgery. Herbella FAM -- 2. Radiology for esophageal diseases. D'Ippolito Giuseppe -- 3. Endoscopy: from diagnosis to treatment. Ferri L -- 4. Esophageal function tests. Herbella FAM -- 5. Laparoscopic operations for gastroesophageal reflux disease. Patti MG -- 6. Laparoscopic paraesophageal hernia repair. Oleynikov D -- 7. Laparoscopic Heller myotomy with Dor fundoplication. Patti MG -- 8. POEM. Hungness E -- 9. Zenker's diverticulum. From the open to the endoscopic approach. Ujiki M -- 10. Epiphrenic diverticulum. Velanovich V -- 11. Trans-hiatal esophagectomy. Posner MC -- 12. Roux-en-Y bypass for GERD and

morbid obesity. Prachand V -- 13. Ivor Lewis esophagectomy. Low D -- 14. Hybrid esophagectomy. Patti MG -- 15. Minimally invasive esophagectomy. Molena D.

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Sommario/riassunto

This Atlas focuses on surgical techniques used to treat the entire spectrum of esophageal diseases. Surgical “pearls” and tips on how to select and perform the correct operation are included and based both on evidence-based data and the experience of the Editors. Step-by-step descriptions of operative and endoscopic procedures in esophageal surgery are provided. Each chapter describes the current indications, perioperative management strategies, and a detailed operative approach with relevant technical considerations. The description of approaches and surgical techniques used in esophageal surgery are outlined in an easily understandable manner for the specific target audience. This book is written by world-class internationally renowned esophageal surgeons and gastroenterologists.

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