1. Record Nr. UNISA996207367903316

Titolo	Computers in Cardiology
Pubbl/distr/stampa	[Place of publication not identified], : I E E E, 2001
Descrizione fisica	1 online resource (700 pages) : illustrations
Disciplina	616.12
Soggetti	Cardiology - Data processing Diagnosis - Data processing Patient monitoring - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph

2. Record Nr. UNINA9910791968703321

Autore	Abels H (Helmut)
Titolo	Pseudodifferential and singular integral operators [[electronic resource]] : an introduction with applications / / Helmut Abels
Pubbl/distr/stampa	Berlin, : De Gruyter, 2012
ISBN	3-11-025031-4
Descrizione fisica	1 online resource (232 p.)
Collana	De Gruyter graduate lectures
Classificazione	SK 620
Disciplina	515/.94
Soggetti	Pseudodifferential operators Integral operators
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 and index.
Nota di contenuto	pt. 1. Fourier transformation and pseudodifferential operators -- pt. 2. Singular integral operators -- pt. 3. Applications to function space and differential equations -- pt. 4. Appendix.

Sommario/riassunto

This textbook provides a self-contained and elementary introduction to the modern theory of pseudodifferential operators and their applications to partial differential equations. In the first chapters, the necessary material on Fourier transformation and distribution theory is presented. Subsequently the basic calculus of pseudodifferential operators on the n-dimensional Euclidean space is developed. In order to present the deep results on regularity questions for partial differential equations, an introduction to the theory of singular integral operators is given - which is of interest for its own. Moreover, to get a wide range of applications, one chapter is devoted to the modern theory of Besov and Bessel potential spaces. In order to demonstrate some fundamental approaches and the power of the theory, several applications to wellposedness and regularity question for elliptic and parabolic equations are presented throughout the book. The basic notation of functional analysis needed in the book is introduced and summarized in the appendix. The text is comprehensible for students of mathematics and physics with a basic education in analysis.