| | | |
|---|---|---|
| 1. | Record Nr. | UNINA9910451919203321 |
| | Autore | Jacob Niels |
| | Titolo | Generators and their potential theory [[electronic resource] /] / N. Jacob |
| | Pubbl/distr/stampa | London, : Imperial College Press, c2002 |
| | ISBN | 1-86094-956-8 |
| | Descrizione fisica | 1 online resource (476 p.) |
| | Collana | Pseudo differential operators & Markov processes ; ; v. 2 |
| | Disciplina | 519.233 |
| | Soggetti | Semigroups of operators |
| | | Pseudodifferential operators |
| | | Potential theory (Mathematics) |
| | | 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 and index. |
| | Nota di contenuto | ""Contents ""; ""Preface ""; ""Notation ""; ""General Notation ""; ""Functions and Distributions ""; ""Measures and Integrals ""; ""Spaces of Functions Measures and Distributions ""; ""Some Families of Functions ""; ""Norms Scalar Products and Seminorms "" |
| | | ""Notation from Functional Analysis Operators """"Notations related to Pseudo-Differential Operators ""; ""Notations related to Potential Theory and Harmonic Analysis ""; ""Introduction: Pseudo-Differential Operators and Markov Processes ""; ""II Generators and Their Potential Theory "" |
| | | ""1 Introduction """"2 Generators of Feller and Sub-Markovian Semigroups ""; ""2.1 Second Order Elliptic Differential Operators as Generators of Feller and Sub-Markovian Semigroups "" |
| | | ""2.2 Some Second Order Differential Operators with Non-Negative Characteristic Form as Generators of Sub-Markovian Semigroups """"2.3 Some Properties of Pseudo-Differential Operators with Negative Definite Symbols "" |

| Sommario/riassunto | In this volume two topics are discussed: the construction of Feller and Lp-sub-Markovian semigroups by starting with a pseudo-differential operator, and the potential theory of these semigroups and their generators. The first part of the text essentially discusses the analysis of pseudo-differential operators with negative definite symbols and develops a symbolic calculus; in addition, it deals with special approaches, such as subordination in the sense of Bochner. The second part handles capacities, function spaces associated with continuous negative definite functions, Lp -sub-Markovian sem |