

1. Record Nr.	UNINA9910455366003321
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Titolo	Analysis of heat equations on domains [[electronic resource] /] / El Maati Ouhabaz
Pubbl/distr/stampa	Princeton, N.J., : Princeton University Press, c2005
ISBN	1-282-15738-8 9786612157387 1-4008-2648-9
Edizione	[Course Book]
Descrizione fisica	1 online resource (298 p.)
Collana	London mathematical society monograph series ; ; v. 31
Disciplina	515/.353
Soggetti	Heat equation Heat - Transmission - Measurement 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 (p. [265]-282) and index.
Nota di contenuto	Frontmatter -- Contents -- Preface -- Notation -- Chapter One. Sesquilinear Forms, Associated Operators, and Semigroups -- Chapter Two. Contractivity Properties -- Chapter Three. Inequalities for Sub-Markovian Semigroups -- Chapter Four. Uniformly Elliptic Operators on Domains -- Chapter Five. Degenerate-Elliptic Operators -- Chapter Six. Gaussian Upper Bounds for Heat Kernels -- Chapter Seven. Gaussian Upper Bounds and Lp-Spectral Theory -- Chapter Eight. A Review of the Kato Square Root Problem -- Bibliography -- Index
Sommario/riassunto	This is the first comprehensive reference published on heat equations associated with non self-adjoint uniformly elliptic operators. The author provides introductory materials for those unfamiliar with the underlying mathematics and background needed to understand the properties of heat equations. He then treats Lp properties of solutions to a wide class of heat equations that have been developed over the last fifteen years. These primarily concern the interplay of heat equations in functional analysis, spectral theory and mathematical physics. This book addresses new developments and applications of Gaussian upper bounds to spectral theory. In particular, it shows how such bounds can be used in order to prove Lp estimates for heat,

Schrödinger, and wave type equations. A significant part of the results have been proved during the last decade. The book will appeal to researchers in applied mathematics and functional analysis, and to graduate students who require an introductory text to sesquilinear form techniques, semigroups generated by second order elliptic operators in divergence form, heat kernel bounds, and their applications. It will also be of value to mathematical physicists. The author supplies readers with several references for the few standard results that are stated without proofs.

2. Record Nr.	UNINA9910145147403321
Titolo	2008 International MCETECH Conference on e-Technologies : 23-25 January, 2008, Montreal, Quebec, Canada : proceedings
Pubbl/distr/stampa	[Place of publication not identified], : IEEE Computer Society, 2007
ISBN	9781509079131 1509079130
Disciplina	658.8/72
Soggetti	Electronic commerce - Technological innovations Electronic commerce - Computer networks Electronic commerce - Security measures Business intelligence - Computer network resources Business enterprises - Data processing Web services Internet Commerce Marketing & Sales Business & Economics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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