

1. Record Nr.	UNINA9910782937403321
Autore	Da Prato Giuseppe
Titolo	Second order partial differential equations in Hilbert spaces / / Giuseppe Da Prato, Jerzy Zabczyk [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2002
ISBN	1-107-11991-X 1-280-42958-5 9786610429585 0-511-17727-5 0-511-15823-8 0-511-32567-3 0-511-54321-2 0-511-04995-1
Descrizione fisica	1 online resource (xvi, 379 pages) : digital, PDF file(s)
Collana	London Mathematical Society lecture note series ; ; 293
Disciplina	515/.353
Soggetti	Differential equations, Partial Hilbert space
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references (p. 358-375) and index.
Nota di contenuto	Theory in Spaces of Continuous Functions -- Gaussian measures -- Introduction and preliminaries -- Definition and first properties of Gaussian measures -- Measures in metric spaces -- Gaussian measures -- Computation of some Gaussian integrals -- The reproducing kernel -- Absolute continuity of Gaussian measures -- Equivalence of product measures in $\mathbb{R}^{\infty}$ -- The Cameron-Martin formula -- The Feldman-Hajek theorem -- Brownian motion -- Spaces of continuous functions -- Preliminary results -- Approximation of continuous functions -- Interpolation spaces -- Interpolation between $UC_b(H)$ and $UC^1_b(H)$ -- Interpolatory estimates -- Additional interpolation results -- The heat equation -- Strict solutions -- Regularity of generalized solutions -- Q-derivatives -- Q-derivatives of generalized solutions -- Comments on the Gross Laplacian -- The heat semigroup and its generator -- Poisson's equation -- Existence and uniqueness

results -- Regularity of solutions -- The equation $[\Delta_{\mathbf{Q}}]u = g$ -- The Liouville theorem -- Elliptic equations with variable coefficients -- Small perturbations -- Large perturbations -- Ornstein-Uhlenbeck equations -- Existence and uniqueness of strict solutions -- Classical solutions -- The Ornstein-Uhlenbeck semigroup -- $[p]$ -Convergence -- Properties of the $[p]$ -semigroup (R_t) -- The infinitesimal generator -- Elliptic equations -- Schauder estimates -- The Liouville theorem -- Perturbation results for parabolic equations.

Sommario/riassunto

Second order linear parabolic and elliptic equations arise frequently in mathematics and other disciplines. For example parabolic equations are to be found in statistical mechanics and solid state theory, their infinite dimensional counterparts are important in fluid mechanics, mathematical finance and population biology, whereas nonlinear parabolic equations arise in control theory. Here the authors present a state of the art treatment of the subject from a new perspective. The main tools used are probability measures in Hilbert and Banach spaces and stochastic evolution equations. There is then a discussion of how the results in the book can be applied to control theory. This area is developing very rapidly and there are numerous notes and references that point the reader to more specialised results not covered in the book. Coverage of some essential background material will help make the book self-contained and increase its appeal to those entering the subject.

2. Record Nr.	UNIORUON00423553
Autore	CRAIG, Sandy
Titolo	Dreams and deconstructions : alternative theatre in Britain / Sandy Craig
Pubbl/distr/stampa	Bath, : Amber lane, 1980
ISBN	09-06-39919-X
Descrizione fisica	192 p. : ill. ; 25 cm.
Disciplina	792.0942
Soggetti	Teatro inglese - Sec. 17.-20. - Saggi
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia