



The Levy Laplacian (Paperback)

By M. N. Feller

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2011. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.The Levy Laplacian is an infinite-dimensional generalization of the well-known classical Laplacian. The theory has become well developed in recent years and this book was the first systematic treatment of the Levy-Laplace operator. The book describes the infinite-dimensional analogues of finite-dimensional results, and more especially those features which appear only in the generalized context. It develops a theory of operators generated by the Levy Laplacian and the symmetrized Levy Laplacian, as well as a theory of linear and nonlinear equations involving it. There are many problems leading to equations with Levy Laplacians and to Levy-Laplace operators, for example superconductivity theory, the theory of control systems, the Gauss random field theory, and the Yang-Mills equation. The book is complemented by an exhaustive bibliography. The result is a work that will be valued by those working in functional analysis, partial differential equations and probability theory.

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