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Titolo	Facets of Noise [[electronic resource]] : Effects in Classical and Quantum Systems / / by Debraj Das, Shamik Gupta
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Collana	Fundamental Theories of Physics, , 2365-6425 ; ; 214
Altri autori (Persone)	GuptaShamik Jona-LasinioGiovanni
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Nota di contenuto	Random variables and probability distributions -- Stochastic processes -- Kinetic theory -- Statistical mechanics -- Nonlinear dynamics -- Stationary correlations in the noisy Kuramoto model -- Bifurcation behavior of a nonlinear system by introducing noise -- Relaxation dynamics of mean-field classical spin systems -- Critical exponents in mean-field classical spin systems -- Quantum systems subject to random projective measurements.
Sommario/riassunto	This book provides a captivating journey through the realms of classical and quantum systems as it unravels the profound influence that noise may have on their static and dynamic properties. The first part of the book offers succinct yet enlightening discussions on foundational topics related to noise. The second part focuses on a variety of applications, where a diverse spectrum of noise effects in physical systems comes to life, meticulously presented and thoughtfully analyzed. Whether you are a curious student or a

dedicated researcher, this book is your key to gaining invaluable insights into noise effects in physical systems. “The book has the merit of presenting several topics scattered in the literature and could become a very useful reference.” Giovanni Jona-Lasinio, Sapienza – Università di Roma, Italy.