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random evolutionary process -- 4.3. Equations in partial derivatives for a function of the fading random evolutionary process -- Chapter 5. Two Models of the Evolutionary Process -- 5.1. Evolution on a complex plane -- 5.2. Evolution with infinitely many directions -- 5.2.1. Symmetric case -- 5.2.2. Non-symmetric case -- Chapter 6. Diffusion Process with Evolution and Its Parameter Estimation -- 6.1. Asymptotic diffusion environment -- 6.2. Approximation of a discrete Markov process in asymptotic diffusion environment -- 6.3. Parameter estimation of the limit process -- Chapter 7. Filtration of Stationary Gaussian Statistical Experiments. 7.1. Introduction -- 7.2. Stochastic difference equation of the process of filtration -- 7.3. Coefficient of filtration -- 7.4. Equation of optimal filtration -- 7.5. Characterization of a filtered signal -- Chapter 8. Adapted Statistical Experiments with Random Change of Time -- 8.1. Introduction -- 8.2. Statistical experiments and evolutionary processes -- 8.3. Stochastic dynamics of statistical experiments -- 8.4. Adapted statistical experiments in series scheme -- 8.5. Convergence of the adapted statistical experiments -- 8.6. Scaling parameter estimation -- 8.7. Statistical estimations of the renewal intensity parameter -- 8.7.1. Poisson's renewal process with parameter $q = 2$ -- 8.7.2. Stationary renewal process with delay, determined by the initial distribution function of the limit overjumps -- 8.7.3. Renewal processes with arbitrarily distributed renewal intervals -- Chapter 9. Filtering of Stationary Gaussian Statistical Experiments -- 9.1. Stationary statistical experiments -- 9.2. Filtering of discrete Markov diffusion -- 9.3. The filtering error -- 9.4. The filtering empirical estimation -- Chapter 10. Asymptotic Large Deviations for Markov Random Evolutionary Process -- 10.1. Asymptotic large deviations -- 10.2. Asymptotically stopped Markov random evolutionary process -- 10.3. Explicit representation for the normalizing function -- Chapter 11. Asymptotic Large Deviations for Semi-Markov Random Evolutionary Processes -- 11.1. Recurrent semi-Markov random evolutionary processes -- 11.2. Asymptotic large deviations -- Chapter 12. Heuristic Principles of Phase Merging in Reliability Analysis -- 12.1. The duplicated renewal system -- 12.2. The duplicated renewal system in the series scheme -- 12.3. Heuristic principles of the phase merging -- 12.4. The duplicated renewal system without failure -- References -- Index -- EULA.

Sommario/riassunto

This book, 'Asymptotic and Analytic Methods in Stochastic Evolutionary Systems', authored by Dmitri Koroliouk and Igor Samoilenko, offers an in-depth analysis of stochastic evolutionary processes using asymptotic and analytic methods. It explores various models and equations such as those of the Kac type, symmetry in Markov random processes, and fading Markov processes. The text includes discussions on integral equations, diffusion processes, and statistical experiments with random changes in time. Aimed at researchers and scholars in the fields of mathematics and statistics, the book serves as a comprehensive guide for understanding complex stochastic systems, providing both theoretical foundations and practical applications.