1.

Record Nr.	UNICAMPANIAVAN0029700
Autore	Amerio, Luigi
Titolo	3.1 / Luigi Amerio
Pubbl/distr/stampa	Torino, : Utet, 1986 [stampa 1996]
ISBN	978-88-02-03981-7
Edizione	[Rist della 2. ed]
Descrizione fisica	XII, 471 p. ; 21 cm
Soggetti	26-XX - Real functions [MSC 2020]
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2.

Record Nr.	UNINA9910360854903321
Autore	Bas Esra
Titolo	Basics of Probability and Stochastic Processes / / by Esra Bas
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-32323-4
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (IX, 307 p.)
Disciplina	519.2
Soggetti	Markov processes
	Engineering mathematics
	Discrete mathematics
	Security systems
	Markov Process
	Engineering Mathematics
	Discrete Mathematics
	Security Science and Technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di contenuto	Combinatorial Analysis -- Basic Concepts in Probability -- Conditional Probability, Bayes's Formula, Independent Events -- Introduction to Random Variables -- Discrete Random Variables -- Continuous Random Variables -- Other Selected Topics in Basic Probability -- A Brief Introduction to Stochastic Processes -- A Brief Introduction to Point Process, Counting Process, Renewal Process, Regenerative Process, Poisson Process -- Poisson Process -- Renewal Process -- An Introduction to Markov Chains -- Special Discrete-Time Markov Chains -- Continuous-Time Markov Chains -- An Introduction to Queueing Models -- Introduction to Brownian Motion -- Basics of Martingales -- Basics of Reliability Theory.
Sommario/riassunto	This textbook explores probability and stochastic processes at a level that does not require any prior knowledge except basic calculus. It presents the fundamental concepts in a step-by-step manner, and offers remarks and warnings for deeper insights. The chapters include basic examples, which are revisited as the new concepts are introduced. To aid learning, figures and diagrams are used to help readers grasp the concepts, and the solutions to the exercises and problems. Further, a table format is also used where relevant for better comparison of the ideas and formulae. The first part of the book introduces readers to the essentials of probability, including combinatorial analysis, conditional probability, and discrete and continuous random variable. The second part then covers fundamental stochastic processes, including point, counting, renewal and regenerative processes, the Poisson process, Markov chains, queuing models and reliability theory. Primarily intended for undergraduate engineering students, it is also useful for graduate-level students wanting to refresh their knowledge of the basics of probability and stochastic processes.