

1. Record Nr.	UNINA9910780816503321
Autore	Pacheco Antonio <1964->
Titolo	Markov-modulated processes & semiregenerative phenomena [[electronic resource] /] / Antonio Pacheco, Loon Ching Tang, Narahari U. Prabhu
Pubbl/distr/stampa	Singapore ; ; Hackensack, N.J., : World Scientific, c2009
ISBN	1-282-44088-8 9786612440885 981-279-319-4
Descrizione fisica	1 online resource (237 p.)
Altri autori (Persone)	PrabhuN. U <1924-> (Narahari Umanath) TangLoon Ching
Disciplina	519.233
Soggetti	Markov processes Random walks (Mathematics) Queuing theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographic references (p. 207-213) and index.
Nota di contenuto	Preface; Contents; 1. Recurrence and Regeneration; 2. Markov Renewal and Markov-Additive Processes; 3. Theory of Semiregenerative Phenomena; 4. Theory of Markov Random Walks; 5. Limit Theorems for Markov Random Walks; 6. Markov-Additive Processes of Arrivals; 7. Markov-Modulated Single Server Queueing Systems; 8. A Storage Model for Data Communication Systems; 9. A Markovian Storage Model; Bibliography; Index
Sommario/riassunto	The book presents a coherent treatment of Markov random walks and Markov additive processes together with their applications. Part I provides the foundations of these stochastic processes underpinned by a solid theoretical framework based on Semiregenerative phenomena. Part II presents some applications to queueing and storage systems.