

1. Record Nr.	UNINA9910461916903321
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Titolo	Stochastic processes [[electronic resource] /] / J. Medhi
Pubbl/distr/stampa	Tunbridge Wells, UK, : New Academic Science Limited, c2012
ISBN	1-906574-65-0
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (518 p.)
Soggetti	Stochastic processes Probabilities Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	<p>""Cover""; ""Preface to the International Edition ""; ""Contents "";</p> <p>""Chapter 1 Random Variables and Stochastic Processes ""; ""1.1 Generating Functions ""; ""1.1.1 Introduction""; ""1.1.2 Probability Generating Function: Mean and Variance""; ""1.1.3 Sum of (a Fixed Number of) Random Variables""; ""1.1.4 Sum of a Random Number of Discrete Random Variables (Stochastic Sum)""; ""1.1.5 Generating Function of Bivariate Distribution""; ""1.2 Laplace Transform ""; ""1.2.1 Introduction""; ""1.2.2 Some Important Properties of Laplace Transforms: see Appendix A1""; ""1.2.3 Inverse Laplace Transform""</p> <p>""1.3 Laplace (Stieltjes) Transform of a Probability Distribution or of a Random Variable """"1.3.1 Definition""; ""1.3.2 The Laplace Transform of the Distribution Function in Terms of that of the Density Function ""; ""1.3.3 Mean and Variance in Terms of (Derivatives of) L.T.""; ""1.3.4 Some Important Distributions""; ""1.3.5 Three Important Theorems""; ""1.3.6 Geometric and Exponential Distributions""; ""1.3.7 Sum of a Random Number of Continuous Random Variables Stochastic I?m""; ""1.3.8 Randomization and Mixtures""; ""1.4 Classification of Distributions ""</p> <p>""1.4.1 Hazard (or Failure) Rate Function""""1.4.2 Mean Residual Life (MRL)""; ""1.4.3 Further Properties""; ""1.5 Stochastic Processes: An Introduction ""; ""1.5.1 Specification of Stochastic Processes""; ""Exercises ""; ""References ""; ""Chapter 2 Markov Chains ""; ""2.1 Definition and Examples ""; ""2.1.1 Transition Matrix (or Matrix of</p>

Transition Probabilities"; "2.1.2 Order of a Markov Chain"; "2.1.3 Markov Chains as Graphs"; "2.2 Higher Transition Probabilities "; "2.3 Generalisation of Independent Bernoulli Trials: Sequence of Chain-Dependent Trials ""  
"2.3.1 Markov-Bernoulli Chain""2.3.2 Correlated Random Walk "";  
"2.4 Classification of States and Chains "; "2.4.1 Communication Relations"; "2.4.2 Class Property"; "2.4.3 Classification of Chains"; "2.4.4 Classification of States: Transient and Persistent (Recurrent) States"; "2.5 Determination of Higher Transition Probabilities "; "2.5.1 Aperiodic Chain: Limiting Behaviour"; "2.6 Stability of a Markov System "; "2.6.1 Computation of the Equilibrium Probabilities"; "2.7 Graph Theoretic Approach ""  
"2.8 Markov Chain With Denumerable Number of States (Or Countable State Space) ""2.9 Reducible Chains "; "2.9.1 Finite Reducible Chains with a Single Closed Class"; "2.9.2 Chain with One Single Class of Persistent Non-null Aperiodic States"; "2.9.3 Absorbing Markov Chains"; "2.9.4 Extension: Reducible Chain with one Closed Class of Persistent Aperiodic States"; "2.9.5 Further Extension: Reducible Chains with more than one Closed Class"; "2.10 Statistical Inference for Markov Chains "; "2.10.1 M.L. Estimation and Hypothesis Testing""2.10.2 Determination of the Order of a Markov Chain by MAICE""

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