

1. Record Nr.	UNISA996385607603316
Autore	Cotton John <1584-1652.>
Titolo	Severall questions of serious and necessary consequence [[electronic resource]] : propounded by the teaching elders, unto M. Iohn Cotton of Boston in New-England. With his respective answer to each question
Pubbl/distr/stampa	London, : Printed for Thomas Banks, and are to bee sold in Black-Friers on the top of Bride-well Staires, and in Westminster Hall, at the signe of the Seale., 1647
Descrizione fisica	[2], 10 p
Soggetti	Theology Congregationalism Massachusetts Church history Early works to 1800
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Also published as Sixteene questions of serious and necessary consequence (Wing C6458). Annotation on Thomason copy: "feb: 22 1646"; the 7 in imprint date crossed out. Reproduction of the original in the British Library.
Sommario/riassunto	eebo-0018

2. Record Nr.	UNINA9910956294603321
Autore	Singh V. P
Titolo	System modeling and simulation / / Frank L. Severance
Pubbl/distr/stampa	New Delhi, : New Age International (P) Ltd., c2009
ISBN	1-282-38577-1 9786612385773 81-224-2924-6
Edizione	[1st ed.]
Descrizione fisica	1 online resource (260 p.)
Soggetti	Mathematical models Simulation methods
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 index.
Nota di contenuto	""Cover ""; ""Preface ""; ""Contents ""; ""Chapter 0 What is a System ""; ""Chapter 1 Modeling and Simulation ""; ""1.1 Physical Models ""; ""1.2 Mathematical Models ""; ""1.2.1 Static Mathematical Models ""; ""1.2.2 Costing of a Combat Aircraft ""; ""1.2.3 A Static Marketing Model ""; ""1.2.4 Student Industrial Training Performance Model ""; ""1.3 Computer Models ""; ""1.3.1 Runway Denial using BCES Type Warhead ""; ""1.3.2 Distributed Lag Models-Dynamic Models ""; ""1.4 Cobweb Models ""; ""1.5 Simulation ""; ""1.5.1 Monte Carlo Simulation ""; ""Chapter 2 Probability as Used in Simulation "" ""2.1 Basic Probability Concepts """"2.1.1 Sample Point ""; ""2.1.2 Sample Space ""; ""2.1.3 Event ""; ""2.1.4 Universal Set ""; ""2.1.5 Set Operations ""; ""2.1.6 Statistical Independence ""; ""2.1.7 Mutual Exclusivity ""; ""2.1.8 The Axioms of Probabilities ""; ""2.1.9 Conditional Probabilities ""; ""2.2 Discrete Random Variable ""; ""2.3 Expected Value and Variance of a Discrete Random Variable ""; ""2.3.1 Some Theorems on Expected Value ""; ""2.3.2 Variance ""; ""2.3.3 Some Theorems on Variance ""; ""2.4 Measure of Probability Function ""; ""2.4.1 Central Tendency ""; ""2.4.2 Median "" ""2.5 Some Important Distribution Functions """"2.5.1 Cumulative Distribution Function ""; ""2.5.2 Uniform Distribution Function ""; ""2.5.3 Binomial Distribution Function ""; ""2.5.4 Poisson's Distribution

""; ""2.6 Continuous Random Variable ""; ""2.7 Exponential Distribution
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""2.9 Normal Distribution ""; ""2.9.1 Properties of Normal Distribution
Curve ""; ""2.9.2 Cumulative Density Distribution Function of Normal
Distribution ""
""2.9.3 An Experiment for the Demonstration of Normal Distribution
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Error (PE) ""; ""2.10.1 Range and Deflection Probable Errors ""; ""2.10.2
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""3.2 Threat Evaluation ""; ""3.3 Susceptibility Assessment (Modeling &
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""3.3.2 Probability of Detection """"3.3.3 Infra-red, Visual and Aural
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""3.6 Case of Non-Redundant Components with Overlap ""; ""3.6.1 Area
with Overlap and Engine Fire ""; ""3.6.2 Redundant Components with no
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""4.1.1 Properties of Random Numbers ""; ""4.1.2 Congruential or
Residual Generators ""
""4.1.3 Computation of Irregular Area using Monte Carlo Simulation ""

Sommario/riassunto

About the Book: Although a number of books and research papers have appeared in the literature, a need is felt to have a systematic study of the subject which inculcates into designing and preparation of this book, updated with engineering applications. The basic techniques of Modeling and Simulation are now being taught in undergraduate engineering courses and its applications in various engineering subjects require detailed studies. An attempt has been made to make this treatise useful to engineers as well as scientists, especially defence scientists. Most of the chapters in the book are based on the papers published by the author in various technical journals. Various mathematical and computer models were incorporated to have an efficient understanding of the basics system development. In order to make the analysis easier to understand, basic mathematical techniques such as probability, discrete & continuous system, queuing system which will be essential for the understanding of the subject have also been discussed. Rather than these mathematical topics, other topics dealing with aircraft and warheads, in which various components such as survivability analysis, vulnerability and cost effectiveness are included. System dynamics and inventory control model give the basic perspective of growth and delivery rate system. Contents: What is a System Modeling and Simulation Probability as Used in Simulation An Aircraft Survivability Analysis Discrete Simulation Continuous System Simulation Simulation Model for Aircraft Vulnerability Simulation of Queuing Systems System Dynamics Inventory Control Models Cost-Effectiveness Models
