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 1969: July-December
 EcoProduction and Logistics
 Volume 9 - Generative Epistemology of Problem Solving to Laplace and Geometric Transforms
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 A Quick Course in Simulation Modeling
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 The Application of GPSS V to Discrete System Simulation
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ELIANNA JANİYAH

Emerging Trends and Business Practices CRC Press

In concept and execution, this book covers the field of EAP with careful attention to all its key aspects and full infrastructure, including the available materials, analytical models, processing techniques, and characterization methods. In this second edition the reader is brought current on promising advances in EAP that have occurred in electric EAP, electroactive polymer gels, ionomeric polymer-metal composites, carbon nanotube actuators, and more.

1969: July-December SPIE Press

Computer simulation has developed into a powerful tool for problem solving in a variety of areas, in the sciences as well as in industrial environments. New developments such as parallel simulation techniques will further improve the efficiency of the tool. Decision support systems, either based on mathematical models or on knowledge based expert systems will make computer simulation accessible to more users, and will provide better environments for systems analysis, modeling and simulation. Systems Analysis and Simulation presents the papers accepted for the 3rd International Symposium for Systems Analysis and Simulation held in Berlin (GDR) in September of 1988. The contributions selected for this two-volume set present the state of the art and current trends in computer simulation. Volume I emphasizes the theoretical foundations and the methodology for computer simulation and systems analysis. Volume II presents a variety of applications in fields such as manufacturing, robotics, economics, and biology.

EcoProduction and Logistics Wiley-Interscience

Fundamentals of modeling. Systems investigation.

Prentice Hall

The first practical textbook on AnyLogic 7 from AnyLogic developers. AnyLogic is the unique simulation software that supports three simulation modeling methods: system dynamics, discrete event, and agent based modeling and allows you to create multi-method models. The book is structured around four examples: a model of a consumer market, an epidemic model, a job shop model and an airport model. We also give some theory on different modeling methods. You can consider this book as your first guide in studying AnyLogic 7.

Volume 9 - Generative Epistemology of Problem Solving to Laplace and Geometric Transforms

Springer Science & Business Media

Organizations report that as much as 50% of investments in IS and IT solutions are judged to be outright failures or deemed highly unsatisfactory. Information Systems Innovation and Diffusion: Issues and Directions reports on innovation and diffusion research and presents theory-based guidelines that will increase the business value of IS/IT investments.

A Path Forward Jones & Bartlett Publishers

"This comprehensive reference work provides immediate, fingertip access to state-of-the-art technology in nearly 700 self-contained articles written by over 900 international authorities. Each article in the Encyclopedia features current developments and trends in computers, software, vendors, and applications...extensive bibliographies of leading figures in the field, such as Samuel Alexander, John von Neumann, and Norbert Wiener...and in-depth analysis of future directions."

Military Operations Research Bookboon

History of Programming Languages presents information pertinent to the technical aspects of the language design and creation. This book provides an understanding of the processes of language design as related to the environment in which languages are developed and the knowledge base available to the originators. Organized into 14 sections encompassing 77 chapters, this book begins with an overview of the programming techniques to use to help the system produce efficient programs. This text then discusses how to use parentheses to help the system identify identical subexpressions within an expression and thereby eliminate their duplicate calculation. Other

chapters consider FORTRAN programming techniques needed to produce optimum object programs. This book discusses as well the developments leading to ALGOL 60. The final chapter presents the biography of Adin D. Falkoff. This book is a valuable resource for graduate students, practitioners, historians, statisticians, mathematicians, programmers, as well as computer scientists and specialists.

Computer Literature Bibliography PHI Learning Pvt. Ltd.

Safety and Reliability of Complex Engineered Systems contains the Proceedings of the 25th European Safety and Reliability Conference, ESREL 2015, held 7-10 September 2015 in Zurich, Switzerland. It includes about 570 papers accepted for presentation at the conference. These contributions focus on theories and methods in the area of risk, safety and

Managing Development In The Third World Taylor & Francis

An Annotated Timeline of Operations Research: An Informal History recounts the evolution of Operations Research (OR) as a new science - the science of decision making. Arising from the urgent operational issues of World War II, the philosophy and methodology of OR has permeated the resolution of decision problems in business, industry, and government. The Timeline chronicles the history of OR in the form of self-contained, expository entries. Each entry presents a concise explanation of the events and people under discussion, and provides key sources where further relevant information can be obtained. In addition, books and papers that have influenced the development of OR or helped to educate the first generations of OR academics and practitioners are cited throughout the book. Starting in 1564 with seminal ideas that form the precursors of OR, the Timeline traces the key ideas and events of OR through 2004. The Timeline should interest anyone involved in OR - researchers, practitioners, academics, and, especially, students - who wish to learn how OR came into being. Further, the scope and expository style of the Timeline should make it of value to the general reader interested in the development of science and technology in the last half of the twentieth century.

1946 to 1963 S. Chand Publishing

This is the first text to focus on the problems and processes involved in organizing, implementing, and managing programs and projects aimed at relieving poverty and underdevelopment in the Third World. During the 1970s there was a shift in development assistance programs toward a greater concern for equity and the basic needs of the poor. The auth

Miscellaneous Publication - National Bureau of Standards Cambridge Scholars Publishing

Simulation is increasingly important for students in a wide variety of fields, from engineering and physical sciences to medicine, biology, economics, and applied mathematics. Current trends point toward interdisciplinary courses in simulation intended for all students regardless of their major, but most textbooks are subject-specific and consequently are not suitable for such a course. Simulation of Dynamic Systems with MATLAB® and Simulink® offers a unified introduction to continuous simulation that focuses on the common principles underlying the vast array of simulation models that describe very different phenomena. Written by accomplished expert Harold Klee, this text builds an in-depth and intuitive understanding of the basic concepts and mathematical tools that students can easily generalize to their own field of study. The author includes case studies, real-world examples, abundant homework problems, and thousands of equations to develop a practical understanding of the concepts. Moreover, he incorporates MATLAB® and Simulink® tools to help students gain experience with designing, implementing, and adjusting their simulations. This classroom-tested text works systematically through linear, continuous-time, and discrete-time dynamic systems as well as basic, intermediate, and advanced topics in numerical integration. Supplying downloadable MATLAB M-files and Simulink model files, Simulation of Dynamic Systems with MATLAB® and Simulink® is ideal for a one- or two-semester course in continuous simulation, offering valuable flexibility for instructors.

History of Programming Languages IGI Global

Good.No Highlights,No Markup.all pages are intact, Slight Shelfwear,may have the corners slightly

mented, may have slight color changes/slightly damaged spine.

SYSTEM SIMULATION MODEL BASED ROAD ACCIDENTS AND ITS COST PREDICTION CRC Press

This Book aims at strengthening the scientific basis for sustainable development. Scientists are improving their understanding about Nature. Technologists are harnessing the potential and resources for economic growth. Scientists, through increased research, can provide efficient techniques for supporting the prudent management of the environment. The uses of remote sensing techniques, efficient materials, application of polymer technology, alternative energy forms, etc., are other topics of discussions included in the book.

A Quick Course in Simulation Modeling Springer Science & Business Media

Operations Research (OR) emerged in an effort to improve the effectiveness of newly inducted weapons and equipment during World War II. While rapid growth of OR led to its becoming an important aid to decision making in all sectors including defense, its contribution in defense remained largely confined to classified reports. Very few books dealing with applications of quantitative decision making techniques in military have been published presumably due to limited availability of relevant information. The situation changed rapidly during the last few years. The recognition of the subject of Military Operations Research (MOR) gave tremendous boost to its development. Books and journals on MOR started appearing. The number of sessions on MOR at national and international conferences also registered an increase. The volume of teaching, training and research activities in the field of MOR at military schools and non-military schools enhanced considerably. Military executives and commanders started taking increasing interest in getting scientific answers to questions pertaining to weapon acquisition, threat perception and quantification, assessment of damage or casualties, evaluation of chance of winning a battle, force mix, deployment and targeting of weapons against enemy targets, war games and scenario evaluation. Most of these problems were being tackled on the basis of intuition, judgment and experience or analysis under very simple assumptions. In an increasingly sophisticated and complex defense scenario resulting in advances in equipment and communications, the need for supplementing these practices by scientific research in MOR became imperative.

Encyclopedia of Computer Science and Technology Prentice Hall

Developed and implemented by the United States Department of Homeland Security, the National Incident Management System (NIMS) outlines a comprehensive national approach to emergency management. It enables federal, state, and local government entities along with private sector organizations to respond to emergency incidents together in order to reduce the loss of life and property and environmental harm.

National Bureau of Standards Miscellaneous Publication Springer Science & Business Media

Designed as a text for undergraduate students (B.Tech./B.E.) of Computer Science and Engineering and IT, Mechanical Engineering and Mechatronics Engineering, and postgraduate students (M.Tech./M.E., M.Sc.) of Computer Science and Engineering and IT and Industrial Engineering, as well as for Bachelor and Master of Computer Applications (BCA/MCA), this well-organized book gives an in-depth analysis of the concepts of system simulation modelling and simulation languages. The book provides detailed discussions on the fundamental and advanced concepts of simulation. The book begins with the concept of system and the different terminologies associated with the system. Then it presents the different methods of random number generation and their tests. Besides, the text dwells on different probability distributions and their random variates, which are used in the simulation model, and describes various simulation languages such as GPSS, Simula I, SIMSCRIPT, CSL, GASP, OPS-3, DYNAMO, SIMAN and SLAM II. Further, it gives a comprehensive coverage of different queueing systems with illustrative examples as well as the logics of simulation model for both single-server and parallel-server queueing systems. The concluding chapters deal extensively with GPSS language, Arena simulation software and ProModel simulation software. Key Features •

Follows a step-by-step approach to derive the test results. • Gives a large number of solved examples and well-designed chapter-end questions. • Includes several real-life Case Studies to illustrate the concepts discussed.

The Application of GPSS V to Discrete System Simulation Springer Science & Business Media

This volume describes several different models of IBM computer systems, characterized by different data representations and instruction sets that strongly influenced computer system architecture in the 1950s and early 1960s. They focused on a common system architecture that allowed peripherals to be used on different systems, albeit with specific adapters. These systems were modular, which made them easy to manufacture, configure, and service. Computing with UNIVAC, they used reliable Williams Tubes for memory, and later introduced magnetic core memory. IBM developed its own magnetic tape drives and magnetic drums that were both faster and more reliable than UNIVAC's peripherals. The first software systems that could reasonably be called "operating systems" enabled more efficient use of programmer time and system resources. The development of programming languages, notably FORTRAN, and assembly language processors, notably Autocoder, improved the productivity of programmers. In addition, IBM developed one of the finest product marketing, sales and servicing organizations in the world. The legacy of the IBM 700 series is found in their popular successors, the IBM 7000 Series, which will be described in a forthcoming volume.

Safety and Reliability of Complex Engineered Systems CRC Press

Environmental awareness is driven mainly by the scarcity of natural resources and by more strict legal regulations. The modern enterprise policy should look at the relations between economic actions and ecological consequences. Ecoproduction is a new business approach which focuses on the most efficient and productive use of raw materials and natural resources in order to minimize footprints on the natural environment. This book aims to provide the state-of-the-art as well as new ideas of the environmental conscious operations management. The contributors present in the individual chapters problems related to: eco-friendly production technologies; recycling and waste reduction. Scope of topics discussed in this book covers also pollution prevention, energy efficiency. The authors describe problems of information management in complex systems

AnyLogic 7 in Three Days System Simulation 2Nd Ed. System Simulation The Application of GPSS V to Discrete System Simulation

Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

Principles and Practice Allied Publishers

System Simulation 2Nd Ed. System Simulation The Application of GPSS V to Discrete System Simulation Prentice Hall

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