



Systems Analysis and Simulation I. Vol.I

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Book Condition: New. Publisher/Verlag: Springer, Berlin | Theory and Foundations | Proceedings of the International Symposium held in Berlin, September 12-16, 1988 | 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. | 1. Methods and Fundamentals.- 1.1. Theory of Discrete Systems.- A Language to Describe and to Simulate Digital Systems.- The State Space Approach to the Analysis of Discrete...



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