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Título: Discrete-Event System Simulation

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KEY BENEFIT: While most books on simulation focus on particular software tools, Discrete Event System Simulation examines the principles of modeling and analysis that translate to all such tools. This language-independent resource explains the basic aspects of the technology, including the proper collection and analysis of data, the use of analytic techniques, verification and validation of models, and designing simulation experiments. **KEY TOPICS:** Introduction; Simulation Examples; General Principles; Simulation Software; Statistical Models in Simulation; Queueing Models; Random-number Generation; Random-variate Generation; Input Modeling; V&V; Output Analysis for a Single Model; Comparing Multiple Designs; Simulation of Mfg. & MH Systems; Simulation of Computer Systems; Simulation of Communication Systems. **MARKET:** A useful reference for professionals in operations research, management science, industrial engineering, and information science.