



# Modeling and Simulation of Dynamic Systems

*Robert L. Woods, Kent L. Lawrence*

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**Modeling and Simulation of Dynamic Systems** Robert L. Woods, Kent L. Lawrence

This book reflects the state-of-the-art and current trends in modeling and simulation. The book provides comprehensive coverage of 1) the modeling techniques of the major types of dynamic engineering systems, 2) the solution techniques for the resulting differential equations for linear and nonlinear systems, and 3) the attendant mathematical procedures related to the presentation of dynamic systems and determination of their time and frequency response characteristics. It explains in detail how to select all of the system component parameter values for static and dynamic performance specifications and limits. For anyone interested in systems dynamics, modeling, and interdisciplinary systems.

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