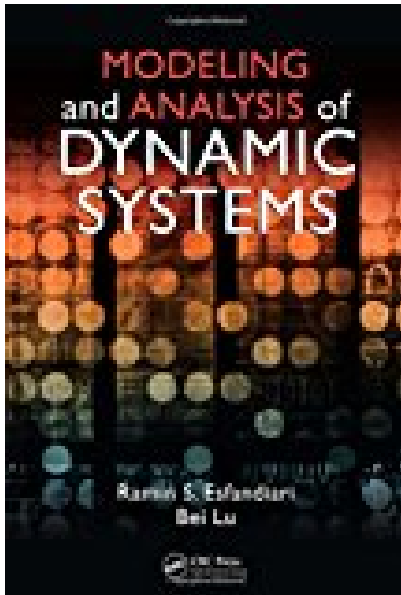


Modeling and Analysis of Dynamic Systems



BOOK DETAILS

- Author : Ramin S. Esfandiari
- Pages : 454 Pages
- Publisher : CRC Press
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BOOK SYNOPSIS

The book presents the methodology applicable to the modeling and analysis of a variety of dynamic systems, regardless of their physical origin. It includes detailed modeling of mechanical, electrical, electro-mechanical, thermal, and fluid systems. Models are developed in the form of state-variable equations, input-output differential equations, transfer functions, and block diagrams. The Laplace-transform is used for analytical solutions. Computer solutions are based on MATLAB and Simulink.

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