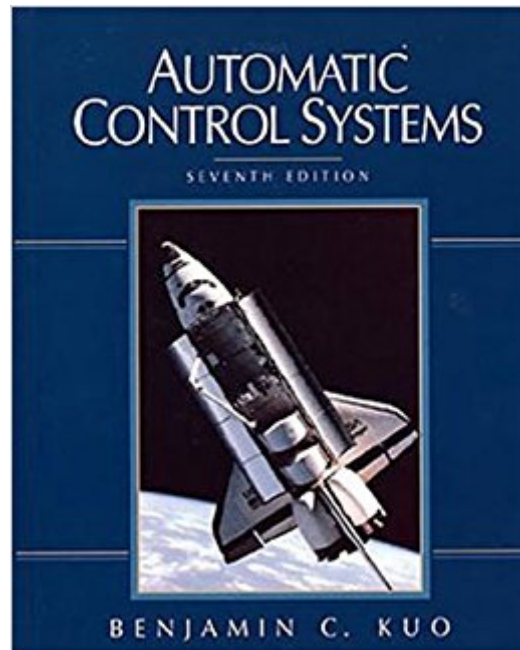




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Automatic Control, 7th Edition



Synopsis

This best-selling introduction to automatic control systems has been updated to reflect the increasing use of computer-aided learning and design, and revised to feature a more accessible approach without sacrificing depth.

Book Information

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Customer Reviews

Automatic Control Systems Seventh Edition Benjamin C. Kuo Updated to reflect the increasing use of computer-aided learning and design, the seventh edition of Automatic Control Systems features a new, accessible approach for students taking introductory courses on control systems while retaining the depth and rigor of Benjamin Kuo's classic, best-selling text. This new edition integrates several real world applications throughout the text, covering both analysis and design. Other new features include: demonstration of the solution of complex problems with the aid of computer software thorough discussion of steady-state error analysis, including nonunity-feedback systems discussion of circuit realization of controller transfer functions simplified treatment of Nyquist criterion on systems with nonminimum-phase transfer functions discussion of time-domain and frequency-domain designs side by side in one chapter added chapter on design of discrete-data control systems The text also includes an abundance of illustrative examples, problems, and marginal notes to highlight important points and comments. Contents include full chapters on: • mathematical foundation • transfer functions, block diagrams, and signal-flow graphs • mathematical modeling of physical systems • state-variable

analysis • stability of linear control systems • time-domain analysis of control systems
• root-locus techniques • frequency-domain analysis • design of control systems
• design of discrete-data control systems

This book is definitely one of the best introductory texts on linear Control Systems. Every item is theoretically well explained without losing the practical aspect on each subject. Highly recommended for people who started to study linear Control Systems at an undergraduate level.

One of the best books I have read. My students love It

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