Linear Control System Analysis and Design with MATLAB®, Sixth Edition (Automation and Control Engineering)

By Constantine H. Houpis, Stuart N. Sheldon

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Thoroughly classroom-tested and proven to be a valuable self-study companion, **Linear Control System Analysis and Design: Sixth Edition** provides an intensive overview of modern control theory and conventional control system design using in-depth explanations, diagrams, calculations, and tables.

Keeping mathematics to a minimum, the book is designed with the undergraduate in mind, first building a foundation, then bridging the gap between control theory and its real-world application. Computer-aided design accuracy checks (CADAC) are used throughout the text to enhance computer literacy. Each CADAC uses fundamental concepts to ensure the viability of a computer solution.

Completely updated and packed with student-friendly features, the sixth edition presents a range of updated examples using MATLAB®, as well as an appendix listing MATLAB functions for optimizing control system analysis and design. Over 75 percent of the problems presented in the previous edition have been revised or replaced.

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