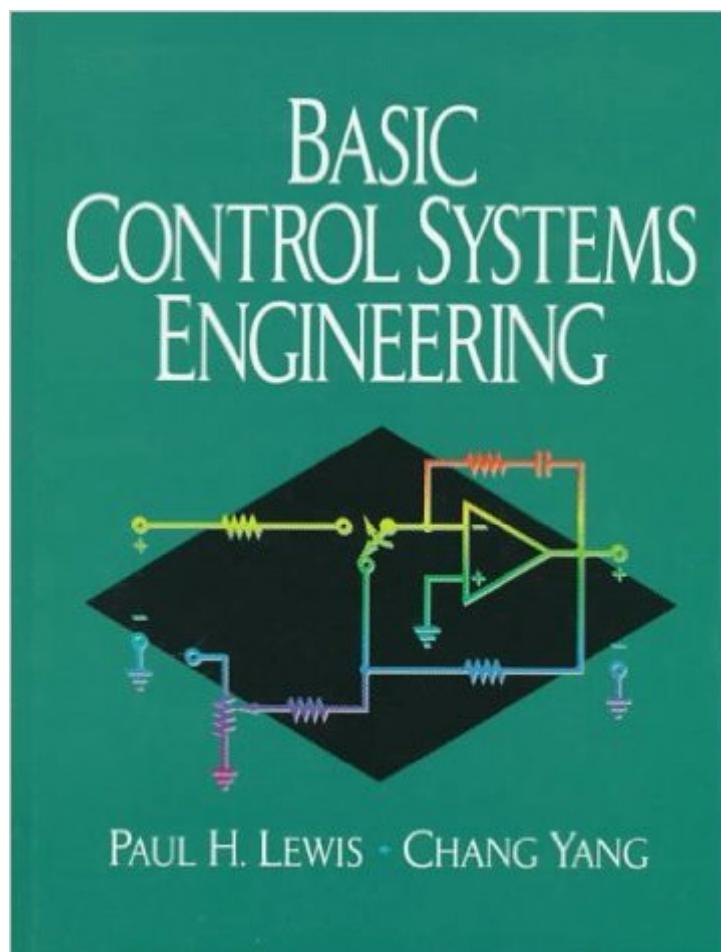


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Basic Control Systems Engineering



Synopsis

This rigorous yet accessible book integrates frequent realistic examples throughout its presentation of control systems engineering. KEY TOPICS: By exploiting the remarkable capabilities of today's computers and programming techniques, the authors describe methodologies for reducing computational difficulties and improving insight into essential areas of study. Coverage reflects the needs of today's practicing engineers by including such topics as the simulation of commonly observed nonlinear phenomena and the design of discrete-event control systems.

Book Information

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Customer Reviews

This book is a good introduction to control systems, suitable for the undergraduate level. It covers everything from LaPlace transforms of physical systems to state feedback and PLC. It also contains several chapters on nonlinear phenomena and their analysis tools. Presentation of the material is very understandable with many formulas and equations. Examples abound, and many practical applications are presented. Basic Matlab coding for control systems is integrated, and several problems refer to Matlab. The major drawback is that this book does not cover digital control. Overall this book is a good introductory reference for classical control.

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