



from Prentice-Hall, a new introductory text on control theory:

# Introduction to Control Theory

## With Applications to Process Control

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This new text presents an introduction to topics of major importance in control theory, including state variables, stability and optimization for continuous and discrete, lumped and distributed systems. The work suggests practical approaches to applications, in addition to presenting the theoretical foundations necessary to an understanding of the literature on automatic control.

### Features:

Covers major control topics at a level of mathematical vigor sufficiently high to prepare the reader for the research literature.

Includes a chapter on optimal control of distributed parameter systems.

Reviews are presented to place classical control theory in perspective with the modern control theory covered in the text.

Key mathematical proofs are presented in an appendix to give an idea of the type of arguments which must be used to place the theory on a firm basis.

Includes both simple and more complex problems at the end of most chapters, with many solved illustrative examples.

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