Control Systems

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Control Systems is an inter-disciplinary engineering text that analyzes the effects and interactions of mathematical systems. This book is for third and fourth year undergraduates in an engineering program.

edit blurb

Preface

This book requires that you first read **Signals and Systems**.

This book is intended for **professional** readers.

This book will discuss the topic of Control Systems, which is an interdisciplinary engineering topic. Methods considered here will consist of both "Classical" control methods, and "Modern" control methods. Also, discretely sampled systems (digital/computer systems) will be considered in parallel with the more common analog methods. This book will not focus on any single engineering discipline (electrical, mechanical, chemical, etc.), although readers should have a solid foundation in the fundamentals of at least one discipline.

This book will require prior knowledge of linear algebra, integral and differential calculus, and at least some exposure to ordinary differential equations. In addition, a prior knowledge of integral transforms, specifically the Laplace and Z transforms will be very beneficial. Also, prior knowledge of the Fourier Transform will shed more light on certain subjects. Wikibooks with information on calculus topics or transformation topics required for this book will be listed below:

- Calculus
- Linear Algebra
- Signals and Systems
- Digital Signal Processing

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Special Pages

This book contains mathematical formulae that look better **rendered as PNG**.

Readers may wish to reference the **Engineering Tables**.

Print Version:	Full Print version (it)	**Warning:** Print version is over *230 pages long* old version as of 13 Oct, 2008.
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