

Table of contents provided by Syndetics

- **Preface**
- **Chapter 1 Introduction**
- **Chapter 2 Mathematical Foundation**
- **Chapter 3 Block Diagrams and Signal-Flow Graphs**
- **Chapter 4 Modeling of Physical Systems**
- **Chapter 5 State Variable Analysis**
- **Chapter 6 Stability of Linear Control Systems**
- **Chapter 7 Time-Domain Analysis of Control Systems**
- **Chapter 8 Root-Locus Technique**
- **Chapter 9 Frequency-Domain Analysis**
- **Chapter 10 Design of Control Systems**
- **Chapter 11 The Virtual Lab**
- **Index**
- **Appendix A Complex Variable Theory**
- **Appendix B Differential and Difference Equations**
- **Appendix C Elementary Matrix Theory and Algebra**
- **Appendix D Laplace Transform Table**
- **Appendix E Operational Amplifiers**
- **Appendix F Properties and Construction of the Root Loci**
- **Appendix G Frequency-Domain Plots**
- **Appendix H General Nyquist Criterion**
- **Appendix I Discrete-Data Control Systems**
- **Appendix J z-Transform Table**
- **Appendix K ACSYS 2002: Description of the Software**
- **Answers to Selected Problems**