
Birkhäuser

 1st
edition

2001, XI, 416 p.

Printed book

Hardcover

Printed book

Hardcover

ISBN 978-0-8176-4203-7

 £ 149,99 | CHF 200,50 | 169,99 € |
186,99 € (A) | 181,89 € (D)

Available

Discount group

Science (SC)

Product category

Monograph

Series

Control Engineering

Other renditions

Softcover

ISBN 978-1-4612-6636-5

Softcover

ISBN 978-1-4612-0154-0

Engineering : Control

Lyshevski, Sergey E.

Control Systems Theory with Engineering Applications

Dynamics systems (living organisms, electromechanical and industrial systems, chemical and technological processes, market and ecology, and so forth) can be considered and analyzed using information and systems theories. For example, adaptive human behavior can be studied using automatic feedback control. As an illustrative example, the driver controls a car changing the speed and steering wheels using incoming information, such as traffic and road conditions. This book focuses on the most important and manageable topics in applied multivariable control with application to a wide class of electromechanical dynamic systems. A large spectrum of systems, familiar to electrical, mechanical, and aerospace students, engineers, and scholars, are thoroughly studied to build the bridge between theory and practice as well as to illustrate the practical application of control theory through illustrative examples. It is the author's goal to write a book that can be used to teach undergraduate and graduate classes in automatic control and nonlinear control at electrical, mechanical, and aerospace engineering departments. The book is also addressed to engineers and scholars, and the examples considered allow one to implement the theory in a great variety of industrial systems. The main purpose of this book is to help the reader grasp the nature and significance of multivariable control.

Order online at springer.com/booksellers

Springer Nature Customer Service Center GmbH

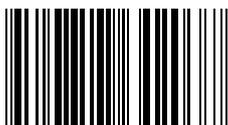
Customer Service

Tiergartenstrasse 15-17

69121 Heidelberg

Germany

T: +49 (0)6221 345-4301

row-booksellers@springernature.com


ISBN 978-0-8176-4203-7 / BIC: TJFM / SPRINGER NATURE: SCT19010

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

 Part of **SPRINGER NATURE**