



## Modeling and Control of Precision Actuators (Paperback)

By Tan Kok Kiong, Huang Sunan

TAYLOR FRANCIS, 2017. Paperback. Condition: New. Language: English . Brand New Book. Modeling and Control of Precision Actuators explores new technologies that can ultimately be applied in a myriad of industries. It covers dynamical analysis of precise actuators and strategies of design for various control applications. The book addresses four main schemes: modeling and control of precise actuators; nonlinear control of precise actuators, including sliding mode control and neural network feedback control; fault detection and fault-tolerant control; and advanced air bearing control. It covers application issues in the modeling and control of precise actuators, providing several interesting case studies for more application-oriented readers. Introduces the driving forces behind precise actuators Describes nonlinear dynamics of precise actuators and their mathematical forms, including hysteresis, creep, friction, and force ripples Presents the control strategies for precise actuators based on Preisach model as well as creep dynamics Develops relay feedback techniques for identifying nonlinearities such as friction and force ripples Discusses a MPC approach based on piecewise affine models which emulate the frictional effects in the precise actuator Covers the concepts of air bearing stages with the corresponding control method Provides a set of schemes suitable for fault detection and accommodation control of mechanical systems Emphasizing design theory and control strategies,...



**READ ONLINE**  
[ 3.39 MB ]

### Reviews

*This pdf may be worth getting. It is actually written in straightforward words and not difficult to understand. You will not feel monotony at any moment of your respective time (that's what catalogs are for about should you request me).*

-- **Miss Golda Okuneva**

*This pdf can be worthy of a read through, and superior to other. It generally does not expense excessive. Its been printed in an exceptionally simple way and it is just soon after i finished reading this ebook in which in fact modified me, change the way i really believe.*

-- **Mr. August Hermiston PhD**

## Other PDFs



### **Valley Forge: The History and Legacy of the Most Famous Military Camp of the Revolutionary War**

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.\*Includes pictures \*Includes accounts of Valley Forge written by Washington and other generals \*Includes online resources and a bibliography for...



### **The genuine book marketing case analysis of the the lam light. Yin Qihua Science Press 21.00(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2007-01-01 Pages: 244 Publisher: Science Press Welcome Our service and quality to your satisfaction. please tell your friends...



### **Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .**

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the...



### **DK READERS Pirates Raiders of the High Seas**

DK CHILDREN. Paperback. Book Condition: New. Paperback. 48 pages. Dimensions: 8.8in. x 5.9in. x 0.2in.Meet Pirates who got away with murder. . . and pirates who died in the hangmans noose! These 48-page books about fascinating subjects like pirates, mummies, and volcanoes...



### **After Such Knowledge: Memory, History, and the Legacy of the Holocaust**

PublicAffairs. PAPERBACK. Book Condition: New. 1586483048 12+ Year Old paperback book-Never Read-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with FREE tracking!!!! \* I am a reputable...



### **Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade**

Book Condition: Brand New. Book Condition: Brand New.