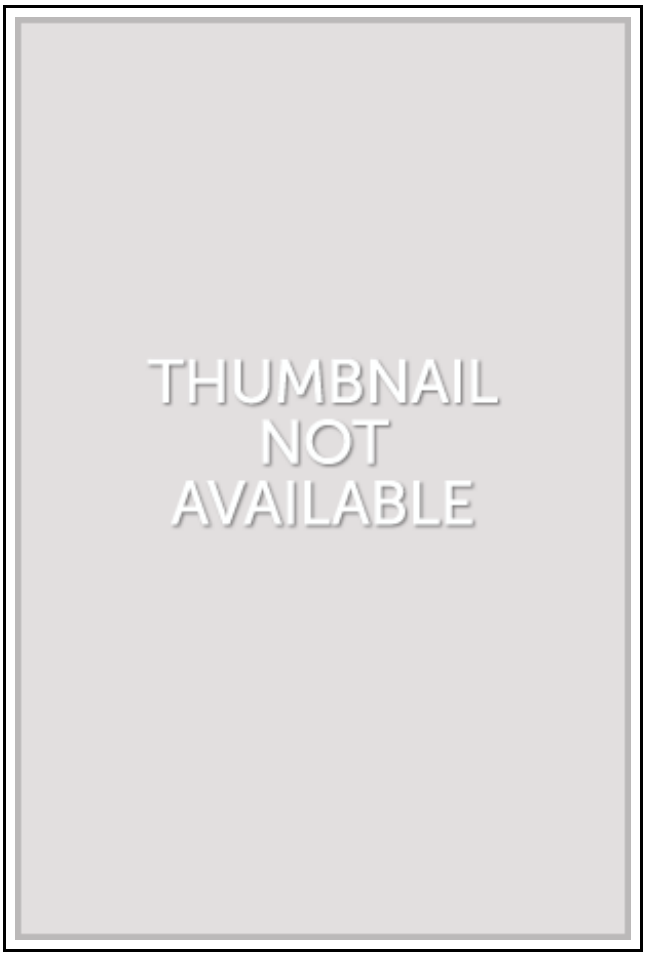
Slinding Mode Robot Controller Tuning Genetic Algorithms & Fuzzy Logic



Filesize: 7.85 MB

Reviews

This kind of book is every little thing and made me searching ahead of time plus more. This is certainly for anyone who statte that there was not a well worth reading through. Its been developed in an remarkably straightforward way in fact it is simply following i finished reading this pdf in which really modified me, alter the way i really believe.

(Ivy Pollich)

SLINDING MODE ROBOT CONTROLLER TUNING GENETIC ALGORITHMS & FUZZY LOGIC

To get **Slinding Mode Robot Controller Tuning Genetic Algorithms & Fuzzy Logic** eBook, make sure you refer to the hyperlink under and save the file or get access to additional information that are related to SLINDING MODE ROBOT CONTROLLER TUNING GENETIC ALGORITHMS & FUZZY LOGIC book.

LAP Lambert Academic Publishing Aug 2016, 2016. Taschenbuch. Book Condition: Neu. 220x150x5 mm. Neuware - Sliding Mode Controllers possess robustness properties under parameter uncertainties. The ideally zero switching time of the controller output cannot be achieved in digital implementation. This causes a phenomenon called chattering - high frequency oscillations observed in systems state variables. Chattering also shows itself as high amplitude oscillatory behavior in the control signal. A chattering actuator output is not favorable for many plants, including robot manipulators driven by actuator torques. This problem is traditionally solved by smoothing the switching control output, deviating from the original mathematical foundations robustness. This motivates the exploration of automatic tuning approaches which consider chattering and performance simultaneously. This book proposes two SMC smoothing and parameter tuning methods with soft computing (SC) methodologies. The first method is based on Genetic Algorithms (GA). The second SMC parameter tuning method proposed employs a fuzzy logic system to enlarge the applicability range of the controller. The chattering measure and the sliding variable are used as the inputs of this system, which tunes the controller output mechanism. 88 pp. Englisch.

You May Also Like

[PDF] Programming in D

Access the hyperlink beneath to get "Programming in D" file.

Save Book »

[PDF] Psychologisches Testverfahren

Access the hyperlink beneath to get "Psychologisches Testverfahren" file.

Save Book »

[PDF] Piano Concerto, Op.33 / B.63: Study Score (Paperback)

Access the hyperlink beneath to get "Piano Concerto, Op.33 / B.63: Study Score (Paperback)" file.

Save Book »

[PDF] Aida, Opera in Four Acts: Vocal Score (Paperback)

Access the hyperlink beneath to get "Aida, Opera in Four Acts: Vocal Score (Paperback)" file.

Save Book »

[PDF] Programming in D: Tutorial and Reference (Paperback)

Access the hyperlink beneath to get "Programming in D: Tutorial and Reference (Paperback)" file.

Save Book »

[PDF] Southern Educational Review Volume 3 (Paperback)

Access the hyperlink beneath to get "Southern Educational Review Volume 3 (Paperback)" file.

Save Book »