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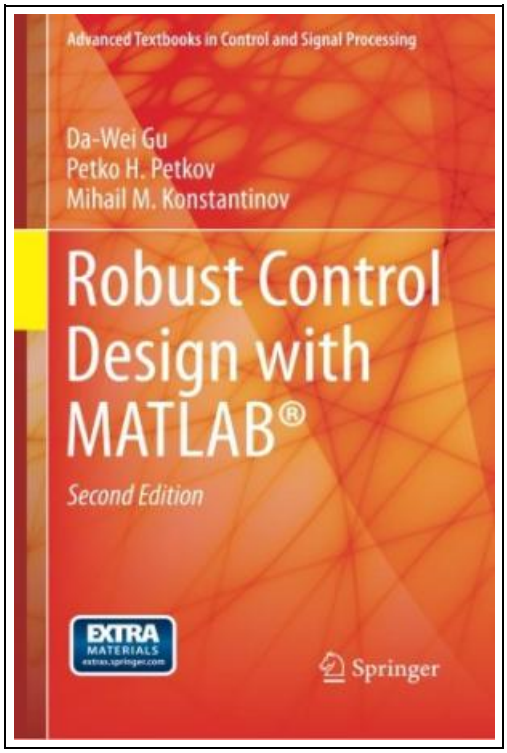

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Reviews

Absolutely among the best publication I have got at any time go through. It really is writter in straightforward phrases rather than hard to understand. Its been designed in an extremely straightforward way which is just soon after i finished reading this publication through which basically modified me, alter the way i believe.

(Mrs. Velda Tremblay)

ROBUST CONTROL DESIGN WITH MATLAB(R) (MIXED MEDIA PRODUCT)

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Springer London Ltd, United Kingdom, 2013. Mixed media product. Book Condition: New. 2nd ed. 2013. 229 x 152 mm. Language: English . Brand New Book. Robust Control Design with MATLAB(R) (second edition) helps the student to learn how to use well-developed advanced robust control design methods in practical cases. To this end, several realistic control design examples from teaching-laboratory experiments, such as a two-wheeled, self-balancing robot, to complex systems like a flexible-link manipulator are given detailed presentation. All of these exercises are conducted using MATLAB(R) Robust Control Toolbox 3, Control System Toolbox and Simulink(R). By sharing their experiences in industrial cases with minimum recourse to complicated theories and formulae, the authors convey essential ideas and useful insights into robust industrial control systems design using major H-infinity optimization and related methods allowing readers quickly to move on with their own challenges. The hands-on tutorial style of this text rests on an abundance of examples and features for the second edition: * rewritten and simplified presentation of theoretical and methodological material including original coverage of linear matrix inequalities; * new Part II forming a tutorial on Robust Control Toolbox 3; * fresh design problems including the control of a two-rotor dynamic system; and * end-of-chapter exercises. Electronic supplements to the written text that can be downloaded from /isbn include: * M-files developed with MATLAB(R) help in understanding the essence of robust control system design portrayed in text-based examples; * MDL-files for simulation of open- and closed-loop systems in Simulink(R); and * a solutions manual available free of charge to those adopting Robust Control Design with MATLAB(R) as a textbook for courses. Robust Control Design with MATLAB(R) is for graduate students and practising engineers who want to learn how to deal with robust control design problems without spending a lot of time in...

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