

Modern Anti-Windup Synthesis (Hardback)

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Reviews

Without doubt, this is actually the best operate by any article writer. Indeed, it can be perform, nonetheless an interesting and amazing literature. Its been written in an exceedingly straightforward way in fact it is only soon after i finished reading through this book through which in fact changed me, modify the way in my opinion. (Miss Elissa Kutch V)

MODERN ANTI-WINDUP SYNTHESIS (HARDBACK)



Princeton University Press, United States, 2011. Hardback. Book Condition: New. 236 x 154 mm. Language: English . Brand New Book. This book provides a wide variety of state-space-based numerical algorithms for the synthesis of feedback algorithms for linear systems with input saturation. Specifically, it addresses and solves the anti-windup problem, presenting the objectives and terminology of the problem, the mathematical tools behind anti-windup algorithms, and more than twenty algorithms for anti-windup synthesis, illustrated with examples. Luca Zaccarian and Andrew Teel s modern method--combining a state-space approach with algorithms generated by solving linear matrix inequalities--treats MIMO and SISO systems with equal ease. The book, aimed at control engineers as well as graduate students, ranges from very simple anti-windup synthesis for control systems with actuator saturation * Takes a modern, state-space approach to synthesis that applies to both SISO and MIMO systems * Presents algorithms as linear matrix inequalities that can be readily solved with widely available software * Explains mathematical concepts that motivate synthesis algorithms for a class of Euler-Lagrange nonlinear systems * Traces the history of anti-windup research through an extensive annotated bibliography.

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