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Principles and Practices of Automatic Process Control (Hardback)

By Carlos A. Smith, Armando B. Corripio

John Wiley and Sons Ltd, United States, 2005. Hardback. Book Condition: New. 3rd Revised edition. 262 x 211 mm. Language: English . Brand New Book. This is a practical guide for understanding and implementing industrial control strategies. Highly practical and applied, this Third Edition of Smith and Corripio s Principles and Practice of Automatic Process Control continues to present all the necessary theory for the successful practice of automatic process control. The authors discuss both introductory and advanced control strategies, and show how to apply those strategies in industrial examples drawn from their own professional practice. Now revised, this Third Edition features: expanded coverage of the development of dynamic balances (Chapter 3); a new chapter on modeling and simulation (Chapter 13); more extensive discussion of distributive control systems; new tuning exercises (Appendix D); guidelines for plant wide control and two new design case studies (Appendix B); new operating case studies (Appendix E); Book Website containing simulations to practice the tuning of feedback controllers, cascade controllers, and feedforward controllers, and the MATLAB[registered] files for simulation examples and problem. With this text, you can: learn the mathematical tools used in the analysis and design of process control systems; gain a complete understanding...



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