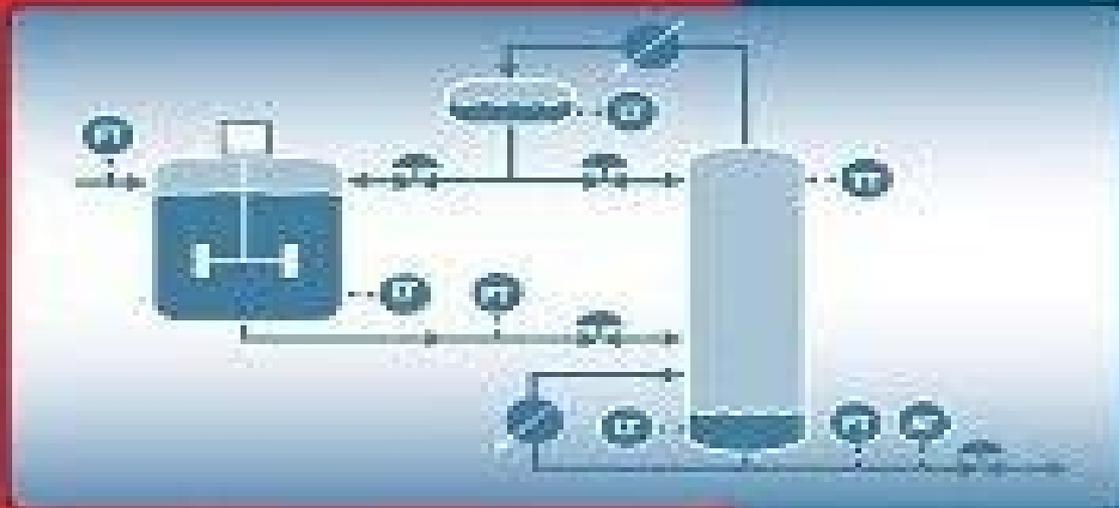


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Process Dynamics and Control Dale E. Seborg, Thomas F. Edgar, Duncan A. Mellichamp, Francis J. Doyle, III, 2016-09-13

The new 4th edition of Seborg's *Process Dynamics Control* provides full topical coverage for process control courses in the chemical engineering curriculum emphasizing how process control and its related fields of process modeling and optimization are essential to the development of high value products. A principal objective of this new edition is to describe modern techniques for control processes with an emphasis on complex systems necessary to the development, design, and operation of modern processing plants. Control process instructors can cover the basic material while also having the flexibility to include advanced topics.

[The Control Handbook \(three volume set\)](#) William S. Levine, 2018-10-08

At publication, *The Control Handbook* immediately became the definitive resource that engineers working with modern control systems required. Among its many accolades, that first edition was cited by the AAP as the Best Engineering Handbook of 1996. Now 15 years later, William Levine has once again compiled the most comprehensive and authoritative resource on control engineering. He has fully reorganized the text to reflect the technical advances achieved since the last edition and has expanded its contents to include the multidisciplinary perspective that is making control engineering a critical component in so many fields. Now expanded from one to three volumes, *The Control Handbook Second Edition* brilliantly organizes cutting edge contributions from more than 200 leading experts representing every corner of the globe. They cover everything from basic closed loop systems to multi-agent adaptive systems and from the control of electric motors to the control of complex networks. Progressively organized, the three-volume set includes *Control System Fundamentals*, *Control System Applications*, and *Control System Advanced Methods*. Any practicing engineer, student, or researcher working in fields as diverse as electronics, aeronautics, or biomedicine will find this handbook to be a time-saving resource filled with invaluable formulas, models, methods, and innovative thinking. In fact, any physicist, biologist, mathematician, or researcher in any number of fields developing or improving products and systems will find the answers and ideas they need. As with the first edition, the new edition not only stands as a record of accomplishment in control engineering but provides researchers with the means to make further advances.

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starting point for a more in depth study of the topics

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Proceedings of the ASME Dynamic Systems and Control Division ,1994

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Handbook of Polymer Reaction Engineering Thierry Meyer, Jos Keurentjes,2005

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