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This text discusses the use of digital computers in the real-time control of dynamic systems. The book emphasizes the design of digital controls that achieves good dynamic response and small errors while using signals that are sampled in time and quantized in amplitude. Both transform-based and state-based classical and modern control methods are described and applied to illustrative examples.

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This work discusses the use of digital computers in the real-time control of dynamic systems using both classical and modern control methods. Two new chapters offer a review of feedback control systems and an overview of digital control systems.

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This well-respected work discusses the use of digital computers in the real-time control of dynamic systems. The emphasis is on the design of digital controls that achieve good dynamic response and small errors while using signals that are sampled in time and quantized in amplitude. MATLAB statements and problems are thoroughly and carefully integrated throughout the book to offer readers a complete design picture.

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Among the advantages of digital logic for control are the increased flexibility of the control programs and the decision-making or logic capability of digital systems, which can be combined with the dynamic control function to meet other system requirements. The digital controls studied in this book are for closed-loop (feedback)

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Multiple Choice Questions and Answers on Control Systems Multiple Choice Questions and Answers By Sasmita January 9, 2020 1) Which terminology deals with the excitation or stimulus applied to the system from an external source for the generation of an output?