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24. CHAPTER 2. E2.4. Mathematical Models of Systems. Since $R(s) = 1/s$, we have $Y(s) = \frac{6(s+50)}{s(s+30)(s+10)}$. The partial fraction expansion of $Y(s)$ is given by $A_1/s + A_2/(s+30) + A_3/(s+10)$...

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12. CHAPTER 1. P1.19. Introduction to Control Systems. A control system to keep a car at a given relative position offset from a lead car: Throttle. Position of follower

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Global issues such as climate change, clean water, sustainability, waste management, and energy use have caused many engineers to re-think existing approaches to engineering design. Control systems in green engineering designs have led to products that minimize pollution, reduce the risk to human health, and improve the environment. An example is the use of wireless measurements on a robotic-controlled mobile sensing platform that measure key environmental parameters in a rain forest.

Text for a first course in control systems, revised (1st ed. was 1970) to include new subjects such as the pole placement approach to the design of control systems, design of observers, and computer simulation of control systems. For senior engineering students. Annotation copyright Book News, Inc.

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For senior or graduate-level students taking a first course in Control Theory (in departments of Mechanical, Electrical, Aerospace, and Chemical Engineering). A comprehensive, senior-level textbook for control engineering. Ogata's Modern Control Engineering, 5/e, offers the comprehensive coverage of continuous-time control systems that all senior students must have, including frequency response approach, root-locus approach, and state-space approach to analysis and design of control systems. The

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text provides a gradual development of control theory, shows how to solve all computational problems with MATLAB, and avoids highly mathematical arguments. A wealth of examples and worked problems are featured throughout the text. The new edition includes improved coverage of Root-Locus Analysis (Chapter 6) and Frequency-Response Analysis (Chapter 8). The author has also updated and revised many of the worked examples and end-of-chapter problems. This text is ideal for control systems engineers.

In this latest edition of Sales Force Management, Mark Johnston and Greg Marshall continue to build on the tradition of excellence established by Churchill, Ford, and Walker, increasing the book's reputation globally as the leading textbook in the field. The authors have strengthened the focus on managing the modern tools of selling, such as customer relationship management (CRM), social media and technology-enabled selling, and sales analytics. It's a contemporary classic, fully updated for modern sales management practice. Pedagogical features include: Engaging breakout questions designed to spark lively discussion Leadership challenge assignments and mini-cases to help students understand and apply the principles they have learned in the classroom Leadership, Innovation, and Technology boxes that simulate real-world challenges faced by salespeople and their managers New Ethical Moment boxes in each chapter put students on the firing line of making ethical choices in sales Role Plays that enable students to learn by doing A selection of comprehensive sales management cases on the companion website A companion website features an instructor's manual, PowerPoints, and other tools to provide additional support for students and instructors.

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