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minimum, the book is designed with the undergraduate in mind, first building a foundation, then bridging the gap between control theory and its real-world application. Computer-aided design accuracy checks (CADAC) are used throughout the text to enhance

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MATLAB functions for optimizing control system analysis and design. Over 75 percent of the problems presented in the previous edition have been revised or replaced. For courses in Systems Analysis and Design, Structured A clear presentation of information,

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organised around the systems development life cycle model This briefer version of the authors ' highly successful Modern System Analysis and Design is a clear presentation of information, organised around the systems development life cycle model.

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needing a streamlined approach to the material due to course duration, lab assignments, or special projects, it emphasises current changes in systems analysis and design, and shows the concepts in action through illustrative fictional cases. The full text downloaded

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the bewildering diversity of alternative molecular designs, questions of higher-level theory and quantitative prediction, which currently are not available in most of biology. The motivation to develop this new perspective comes from the study of complex

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biochemical pathways, intricate circuits of gene regulation, network interactions within the immune system, plasticity of neural networks, and pattern formation by cellular networks. All these networks consist of more elemental constituents that find their meaning within

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the context of the intact system. The integrative perspective requires a new language and methodology. The objective of this text is to systematically develop these and to apply them to specific classes of metabolic networks and gene circuitry. The applications

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