



## Mechatronic system design basis (Mechanical Engineering and Automation series of textbooks)

By -

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Pages Number: 267 Publisher: Central TV Pub. Date: 2009-06-01 version 1. Contents: 1 Introduction 1.1 Overview 1.2 Mechatronics Mechatronics System 1.2.1 the basic components of the functional components of mechatronic systems 1.2.2 elements of mechatronic systems 1.3 1.4 Classification of mechatronic systems the advantages and benefits of mechatronic mechatronics 1.5 and the theoretical basis of the theoretical basis of key technologies 1.5.1 1.6 1.5.2 key technology development of mechatronics 1.6.1 the development of mechanical and electrical integration of mechanical and electrical integration trends 1.6.2 Summary thinking questions and exercises 2 Mechanical Technology Mechatronics 2.1 Mechatronics 2.1.1 in the mechanical system mechanical system mechanical system composition 2.1.2 2.1.3 Mechanical design requirements for system performance parameters 2.2 mechatronic systems commonly used in mechanical drive transmission characteristics 2.2.1 2.2.2 2.2.3 helical gear drive timing belt 2.3 Mechatronics 2.2.4 systems commonly used in the implementing agency executive body of the basic requirements 2.3.1 2.3.2 2.3.3 Industrial microactuator robot end effector 2.4 mechatronic virtual prototyping technology in virtual prototyping 2.4.1 content 2.4.2 the application of virtual prototyping technology thinking questions Summary Exercise 3.

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