

Preface

With the rapid development of science and technology and social economy, the trend of intelligence, networking and automation is becoming more and more obvious and important. As an important product of scientific and technological development, robot is one of the important carriers of scientific and technological progress and innovation. This book takes small robots as the research object, analyzes and studies the introduction foundation of small robots, mechanical structure design of robots, appearance design of robots, innovative design of robot utility models, and overall invention design of robots, and analyzes them in the form of cases with progressive research ideas. This book can be used as a learning book for robot research enthusiasts, undergraduates and postgraduates of related majors, and also a research guide for machine researchers.

This book mainly analyzes and studies small robots. The main research contents include: Chapter 1 introduces and summarizes the foundation of small robots, summarizes and analyzes the development trend of small robots; The second chapter mainly studies the appearance design and cases of the robot; The third chapter is the structure design and case analysis of the robot; The fourth chapter studies the overall invention and design of the robot; The fifth chapter studies the robot control simulation software.

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Due to the rapid development of robot research, many new methods and contents cannot be updated in time. In addition, the author's level is limited, and there are some inappropriate points in the book. Please comment and correct them.

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