

<<电气工程及其自动化专业英语>>

图书基本信息

书名：<<电气工程及其自动化专业英语>>

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作者：戴文进

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内容概要

戴文进编著的《电气工程及其自动化专业英语》主要介绍电气工程及其自动化专业英语的阅读、理解与翻译。

全书共分电工电子、电机及其控制、发电输电配电与电力系统、特殊电源与可再生能源发电、计算机与智能技术五大部分，每一部分又分别包含英语原文、专业英语词汇、课文注释、参考译文和专业英语翻译与写作知识五部分。

《电气工程及其自动化专业英语》取材新颖、内容丰富、注释详尽、译文准确，是电气工程及其自动化专业英语的适用教材，也可作为其他相近专业的参考书，还可供有关技术人员选用。

书籍目录

- Part 1 Electrics & Electronics
 - Unit 1 Elements and Parameters in a Circuit
 - Unit 2 Ideal Sources Series and Parallel Equivalent Circuits
 - Unit 3 Analysis of a Single-loop Network
 - Unit 4 Analysis of Sinusoidal Alternating Electricity
 - Unit 5 Analysis of Small Signal Amplifiers in Mid-Frequency Band
 - Unit 6 Operational Amplifiers
 - Unit 7 Negative Feedback Amplifiers
 - Unit 8 Logic Circuits
- Part 2 Electric Machine & Its Control
 - Unit 1 Transformer Principle
 - Unit 2 D.C. Machine Construction and Principle
 - Unit 3 Three-Phase Induction Machine Principle
 - Unit 4 Operation Analysis of Three-Phase Synchronous Generator
 - Unit 5 Motor Control Based on Microcomputer
 - Unit 6 Hybrid Electric Vehicle Fuzzy Control
 - Unit 7 Voltage Regulation for Small Salient Pole Alternator
 - Unit 8 Fault Diagnosis for Induction Motor
- Part 3 Electric Generation , Distribution & Power System
 - Unit 1 Major Electrical Plant in Power Station
 - Unit 2 Substation Automation System
 - Unit 3 Operation & Control of Power System
 - Unit 4 Expert Systems in Power System
 - Unit 5 Relaying Protection in Power System
 - Unit 6 SCADA & EMS in Power System
 - Unit 7 Electric Power Flow Calculation in Power System
 - Unit 8 Influence from Wind Power Generation on Power Systems
- Part 4 Special Power Supply & Electric Generation with Renewable Energy
 - Unit 1 Distributed Power Systems with Uninterrupted

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Power Supply (UPS)

Unit 2 On-line and Line-interactive UPS

Unit 3 Switched Mode Power Supply

Unit 4 Global Status of Wind Energy Market

Unit 5 Development on Electric Generation with Nuclear

Power

Unit 6 Ecological Protection Project of Small

Hydroelectric Power Replace of Fuel

Unit 7 Discussion on Biomass Power

Generation

Unit 8 Hybrid PV?Battery?Diesel Power

System

Part 5 Computer & Artificial Intelligence

Unit 1 Computer and Its Hardware

Unit 2 Computer Software and Human

Resources

Unit 3 Personal Computer Word Processing and

Electronic Spreadsheets

Unit 4 Personal Computer Data Management and Business

Graphics

Unit 5 Personal Computer Data

Communication

Unit 6 Intelligent Technology

Unit 7 Neural Nets

Unit 8 Design of Intelligent Manufacturing Resource

Planning III under Computer Integrated Manufacturing

System

Reference

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