

《电磁学问题与解答PROBLEMS AND》

图书基本信息

书名 : 《电磁学问题与解答PROBLEMS AND SOLUTIONS ON ELECTROMAGNETISM》

13位ISBN编号 : 9789810206260

10位ISBN编号 : 9810206267

出版时间 : 1993-12

出版社 : World Scientific Pub Co Inc

作者 : Lim, Yung-Kuo (EDT)

页数 : 665

版权说明 : 本站所提供下载的PDF图书仅提供预览和简介以及在线试读 , 请支持正版图书。

更多资源请访问 : www.tushu000.com

《电磁学问题与解答PROBLEMS AND》

内容概要

The material for these volumes has been selected from the past twenty years' examination questions for graduate students at University of California at Berkeley, Columbia University, the University of Chicago, MIT, State University of New York at Buffalo, Princeton University and University of Wisconsin. This volume comprises 440 problems and is divided into five parts: (1) Electrostatics; (2) Magnetostatic Field and Quasi-Stationary Electromagnetic Field; (3) Circuit Analysis; (4) Electromagnetic Waves; (5) Relativistic Particle-Field Interactions.

《电磁学问题与解答PROBLEMS AND》

书籍目录

Preface
Introduction 1. Basic Laws of Electrostatics (1001-1023) 2. Electrostatic Field in a Conductor (1024-1042)
3. Electrostatic Field in a Dielectric Medium (1043-1061) 4. Typical Methods for Solution of Electrostatic
Problems Separation of Variables, Methods of Images Grin's Function and Multipole Expansion (1062-1095)
5. Miscellaneous Applications (1096-1108)
Part II Magnetostatic Field and Quasi-Stationary Electromagnetic
Fields 1. Magnetic Field of Currents (2001-2038) 2. Electromagnetic Induction (2039-2063) 3. Action of
Electromagnetic Field on Current Carrying Conductors and Charged Particles (2064-2090) 4. Miscellaneous
Applications (2091-2119)
Part III Circuit Analysis 1. Basic Circuit Analysis (3001-3026) 2. Electric and Magnetic
Circuits (3027-3044) 3. Analog Circuits (3045-3057) 4. Digital Circuits (3058-3065) 5. Nuclear Electronics
(3066-3082) 6. Miscellaneous Problems (3083-3090)
Part IV Electromagnetic Waves 1. Plane Electromagnetic
Waves (4001-4009) 2. Reflection and Refraction of Electromagnetic Waves on Interface between Two Media
(4010-4024) 3. Propagation of Electromagnetic Waves in a Medium (4025-4045) 4. Electromagnetic Radiation
and Radiating Systems (4046-4067)
Part V Relativity Particle-Field Interactions 1. The Lorentz Transformation
(5001-5017) 2. Electromagnetic Field of a Charged Particle (5018-5025) 3. Motion of a Charged Particle in
Electromagnetic Field (5020-4039) 4. Scattering and Dispersion of Electromagnetic Waves (5040-5050)
Index to
Problems

《电磁学问题与解答PROBLEMS AND》

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:www.tushu000.com