

16.2  
Solutions Manual

prepared by  
*E. M. Purcell*  
to accompany

**electricity  
and  
magnetism**

**Berkeley Physics Course—Vol. II**

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Professor of Physics  
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INTERMEDIATE BOOK COMPANY

Berkeley Physics Course Volume II

Preface to the Solutions Manual

This manual of problem solutions is intended primarily as an aid to instructors teaching from the second volume of the Berkeley Physics Course. They will, I hope, find the manual a useful supplement to the text. The solutions for the less routine problems often include some explanations going beyond the bare requirements of the problem. The instructor would be well advised to peruse the solutions for the more ambitious problems before he assigns them—if only to be warned of traps which were not always foreseen when the problems were devised.

The solutions were checked by Thomas Knight, who found some errors and made many valuable suggestions for improvement and clarification. One instructor who feels that the course in his class would be improved if he could that the author made some mistakes in working his own problems is hereby invited to do so. Numerical errors may still turn up. Notice of such would be most welcome, as would any other suggestion for improvement of the material in the manual. Please address any suggestions to the undersigned at Lyman Laboratory, Harvard University, Cambridge, Mass. 02138.

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*E. M. Purcell*  
Cambridge, May 1965

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Solutions Manual  
to accompany  
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# Mastering Physics Solutions Manual Berkeley

**Thomas Griffiths**



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### **Table of Contents Mastering Physics Solutions Manual Berkeley**

1. Understanding the eBook Mastering Physics Solutions Manual Berkeley
  - The Rise of Digital Reading Mastering Physics Solutions Manual Berkeley
  - Advantages of eBooks Over Traditional Books
2. Identifying Mastering Physics Solutions Manual Berkeley
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Mastering Physics Solutions Manual Berkeley
  - User-Friendly Interface
4. Exploring eBook Recommendations from Mastering Physics Solutions Manual Berkeley
  - Personalized Recommendations
  - Mastering Physics Solutions Manual Berkeley User Reviews and Ratings
  - Mastering Physics Solutions Manual Berkeley and Bestseller Lists

5. Accessing Mastering Physics Solutions Manual Berkeley Free and Paid eBooks
  - Mastering Physics Solutions Manual Berkeley Public Domain eBooks
  - Mastering Physics Solutions Manual Berkeley eBook Subscription Services
  - Mastering Physics Solutions Manual Berkeley Budget-Friendly Options
6. Navigating Mastering Physics Solutions Manual Berkeley eBook Formats
  - ePub, PDF, MOBI, and More
  - Mastering Physics Solutions Manual Berkeley Compatibility with Devices
  - Mastering Physics Solutions Manual Berkeley Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Mastering Physics Solutions Manual Berkeley
  - Highlighting and Note-Taking Mastering Physics Solutions Manual Berkeley
  - Interactive Elements Mastering Physics Solutions Manual Berkeley
8. Staying Engaged with Mastering Physics Solutions Manual Berkeley
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Mastering Physics Solutions Manual Berkeley
9. Balancing eBooks and Physical Books Mastering Physics Solutions Manual Berkeley
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Mastering Physics Solutions Manual Berkeley
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Mastering Physics Solutions Manual Berkeley
  - Setting Reading Goals Mastering Physics Solutions Manual Berkeley
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Mastering Physics Solutions Manual Berkeley
  - Fact-Checking eBook Content of Mastering Physics Solutions Manual Berkeley
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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web comfort applications residential space conditioning tc 8 11 unitary and room air conditioners and heat pumps retail facilities tc 9 8 large building air conditioning applications commercial and public buildings tc 9 8 tall buildings tc 9 12 tall buildings places of assembly tc 9 8 indoor swimming pools tc 9 8

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