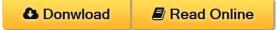


# **Electricity and Magnetism**

By Edward M. Purcell, David J. Morin



Electricity and Magnetism By Edward M. Purcell, David J. Morin

🔒 Get Print Book

For 50 years, Edward M. Purcell's classic textbook has introduced students to the world of electricity and magnetism. The third edition has been brought up to date and is now in SI units. It features hundreds of new examples, problems, and figures, and contains discussions of real-life applications. The textbook covers all the standard introductory topics, such as electrostatics, magnetism, circuits, electromagnetic waves, and electric and magnetic fields in matter. Taking a nontraditional approach, magnetism is derived as a relativistic effect. Mathematical concepts are introduced in parallel with the physics topics at hand, making the motivations clear. Macroscopic phenomena are derived rigorously from the underlying microscopic physics. With worked examples, hundreds of illustrations, and nearly 600 end-of-chapter problems and exercises, this textbook is ideal for electricity and magnetism courses. Solutions to the exercises are available for instructors at www.cambridge.org/Purcell-Morin.

**Download** Electricity and Magnetism ...pdf

**Read Online** Electricity and Magnetism ...pdf

# **Electricity and Magnetism**

By Edward M. Purcell, David J. Morin

## Electricity and Magnetism By Edward M. Purcell, David J. Morin

For 50 years, Edward M. Purcell's classic textbook has introduced students to the world of electricity and magnetism. The third edition has been brought up to date and is now in SI units. It features hundreds of new examples, problems, and figures, and contains discussions of real-life applications. The textbook covers all the standard introductory topics, such as electrostatics, magnetism, circuits, electromagnetic waves, and electric and magnetic fields in matter. Taking a nontraditional approach, magnetism is derived as a relativistic effect. Mathematical concepts are introduced in parallel with the physics topics at hand, making the motivations clear. Macroscopic phenomena are derived rigorously from the underlying microscopic physics. With worked examples, hundreds of illustrations, and nearly 600 end-of-chapter problems and exercises, this textbook is ideal for electricity and magnetism courses. Solutions to the exercises are available for instructors at www.cambridge.org/Purcell-Morin.

## Electricity and Magnetism By Edward M. Purcell, David J. Morin Bibliography

- Sales Rank: #201010 in eBooks
- Published on: 2013-01-21
- Released on: 2013-01-21
- Format: Kindle eBook
- Number of items: 1

**<u>Download</u>** Electricity and Magnetism ...pdf

**Read Online** Electricity and Magnetism ...pdf

## **Editorial Review**

#### Review

"Although the basic physics remains largely unchanged, the Purcell and Morin book has many clarifying discussions based on those experimental results, and most chapters end with current applications and a summary. Solutions to the problems represent roughly one-quarter of the text-they are a most welcome addition, particularly for self-study. (Purcell wrote out a solution manual by hand-mainly for instructors!-to accompany his first edition.) "

H. Henry Stroke, New York University for Physics Today

#### About the Author

Edward M. Purcell (1912-97) was the recipient of many awards for his scientific, educational and civic work. In 1952 he shared the Nobel Prize for Physics for his independent discovery of nuclear magnetic resonance in liquids and in solids, an elegant and precise way of determining chemical structure and properties of materials which is widely used today. During his career he served as science advisor to Presidents Dwight D. Eisenhower, John F. Kennedy and Lyndon B. Johnson.

David J. Morin is Lecturer on Physics and Associate Director of Undergraduate Studies in the Department of Physics, Harvard University. He is author of the textbook Introduction to Classical Mechanics (Cambridge University Press, 2008).

## **Users Review**

#### From reader reviews:

#### Leon Moses:

Why don't make it to be your habit? Right now, try to prepare your time to do the important action, like looking for your favorite guide and reading a guide. Beside you can solve your short lived problem; you can add your knowledge by the reserve entitled Electricity and Magnetism. Try to face the book Electricity and Magnetism as your good friend. It means that it can to be your friend when you really feel alone and beside those of course make you smarter than before. Yeah, it is very fortuned for you personally. The book makes you a lot more confidence because you can know every little thing by the book. So , let me make new experience and also knowledge with this book.

#### **Bobby Gonsalves:**

Book is actually written, printed, or created for everything. You can know everything you want by a reserve. Book has a different type. We all know that that book is important point to bring us around the world. Next to that you can your reading proficiency was fluently. A book Electricity and Magnetism will make you to be smarter. You can feel a lot more confidence if you can know about everything. But some of you think this open or reading a book make you bored. It is not make you fun. Why they can be thought like that? Have you seeking best book or suitable book with you?

#### **Marcus Huskins:**

With this era which is the greater man or woman or who has ability to do something more are more precious than other. Do you want to become considered one of it? It is just simple solution to have that. What you need to do is just spending your time almost no but quite enough to possess a look at some books. One of many books in the top listing in your reading list will be Electricity and Magnetism. This book that is qualified as The Hungry Mountains can get you closer in growing to be precious person. By looking upward and review this e-book you can get many advantages.

#### Joshua White:

You may get this Electricity and Magnetism by check out the bookstore or Mall. Simply viewing or reviewing it could to be your solve trouble if you get difficulties to your knowledge. Kinds of this publication are various. Not only by written or printed but also can you enjoy this book by means of e-book. In the modern era such as now, you just looking by your mobile phone and searching what their problem. Right now, choose your own personal ways to get more information about your e-book. It is most important to arrange you to ultimately make your knowledge are still change. Let's try to choose proper ways for you.

## Download and Read Online Electricity and Magnetism By Edward M. Purcell, David J. Morin #TS01HRQ4U7B

# **Read Electricity and Magnetism By Edward M. Purcell, David J.** Morin for online ebook

Electricity and Magnetism By Edward M. Purcell, David J. Morin Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Electricity and Magnetism By Edward M. Purcell, David J. Morin books to read online.

# Online Electricity and Magnetism By Edward M. Purcell, David J. Morin ebook PDF download

Electricity and Magnetism By Edward M. Purcell, David J. Morin Doc

Electricity and Magnetism By Edward M. Purcell, David J. Morin Mobipocket

Electricity and Magnetism By Edward M. Purcell, David J. Morin EPub