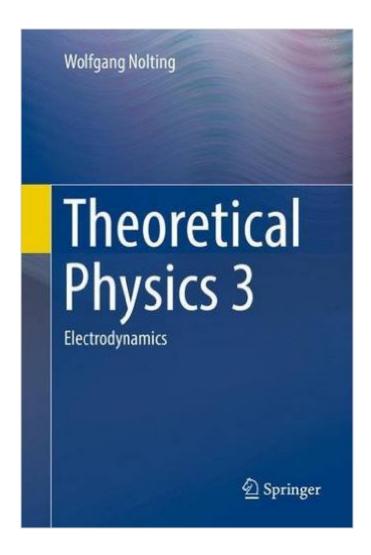
### The book was found

# Theoretical Physics 3: Electrodynamics





## Synopsis

This textbook offers a clear and comprehensive introduction to electrodynamics, one of the core components of undergraduate physics courses. The first part of the book describes the interaction of electric charges and magnetic moments by introducing electro- and magnetostatics. The second part of the book establishes deeper understanding of electrodynamics with the Maxwell equations, quasistationary fields and electromagnetic fields. All sections are accompanied by a detailed introduction to the math needed. Ideally suited to undergraduate students with some grounding in classical and analytical mechanics, the book is enhanced throughout with learning features such as boxed inserts and chapter summaries, with key mathematical derivations highlighted to aid understanding. The text is supported by numerous worked examples and end of chapter problem sets. About the Theoretical Physics series Translated from the renowned and highly successful German editions, the eight volumes of this series cover the complete core curriculum of theoretical physics at undergraduate level. Each volume is self-contained and provides all the material necessary for the individual course topic. Numerous problems with detailed solutions support a deeper understanding. Wolfgang Nolting is famous for his refined didactical style and has been referred to as the "German Feynman" in reviews.

#### **Book Information**

Hardcover: 659 pages

Publisher: Springer; 1st ed. 2016 edition (June 29, 2016)

Language: English

ISBN-10: 331940167X

ISBN-13: 978-3319401676

Product Dimensions: 6.1 x 1.4 x 9.2 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,813,444 in Books (See Top 100 in Books) #178 in Books > Science & Math > Physics > Electromagnetism > Magnetism #336 in Books > Science & Math > Physics > Light #466 in Books > Science & Math > Physics > Electromagnetism > Electricity

#### Download to continue reading...

Quantum Electrodynamics, Second Edition: Volume 4 (Course of Theoretical Physics) Theoretical Physics 3: Electrodynamics Statistical Physics, Third Edition, Part 1: Volume 5 (Course of Theoretical Physics, Volume 5) Philosophical And Theoretical Perspectives For Advanced Nursing

Practice (Cody, Philosophical and Theoretical Perspectives for Advances Nursing Practice) The Nature of Theoretical Thinking in Nursing: Third Edition (Kim, The Nature of Theoretical Thinking in Nursing) Quantum Mechanics: The Theoretical Minimum (Theoretical Minimum, The)

Electrodynamics: The Field-Free Approach: Electrostatics, Magnetism, Induction, Relativity and Field Theory (Undergraduate Lecture Notes in Physics) Foundations of Classical Electrodynamics (Progress in Mathematical Physics) Principles of Electrodynamics (Dover Books on Physics) The Solid State: An Introduction to the Physics of Crystals for Students of Physics, Materials Science, and Engineering (Oxford Physics Series) The Classical Theory of Fields, Fourth Edition: Volume 2 (Course of Theoretical Physics Series) Theory of Elasticity, Third Edition: Volume 7 (Course of Theoretical Physics) Dynamics, Information and Complexity in Quantum Systems (Theoretical and Mathematical Physics) Theoretical Physics 4: Special Theory of Relativity Mechanics, Third Edition: Volume 1 (Course of Theoretical Physics S) Theoretical Microfluidics (Oxford Master Series in Physics) Physical Kinetics: Volume 10 (Course of Theoretical Physics S) Lectures on Classical Electrodynamics Classical Electrodynamics Medical Health Physics: Health Physics Society 2006 Summer School

<u>Dmca</u>