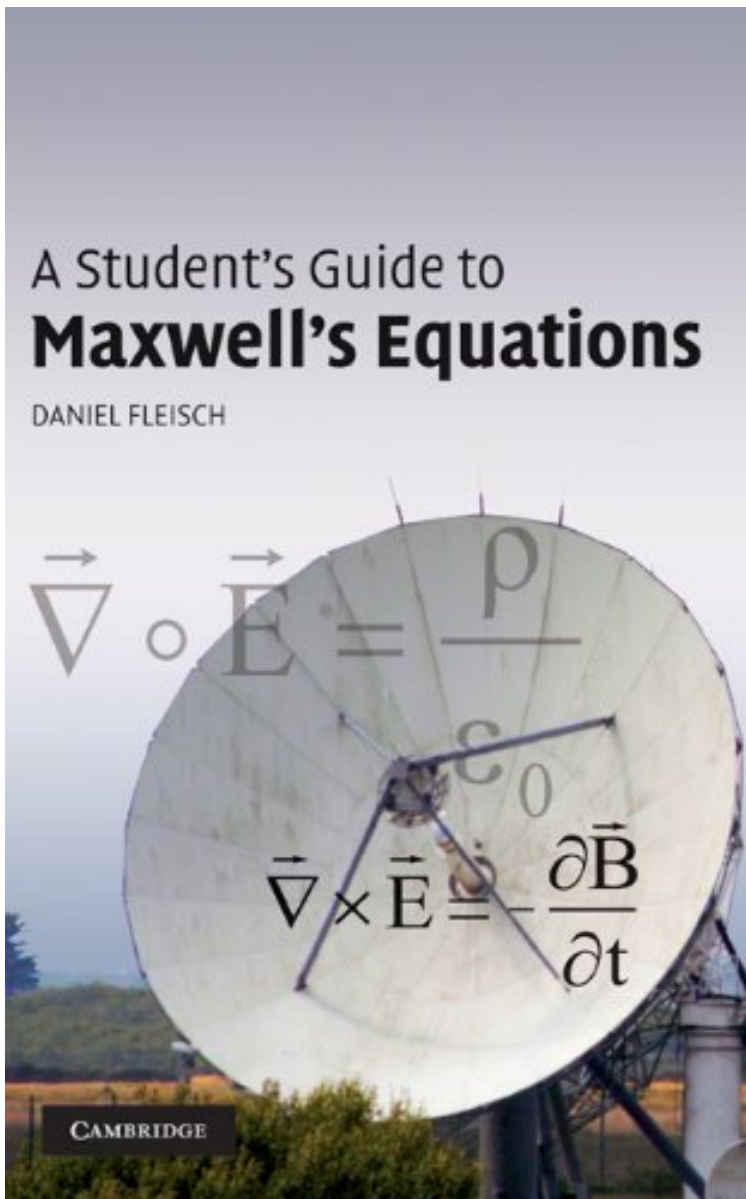


(Free read ebook) File size: 40.Mb

A Student's Guide to Maxwell's Equations



Par Daniel Fleisch

**Download PDF | ePub | DOC | audiobook | ebooks*

Dtails sur le produit Rang parmi les ventes : #124128 dans eBooksPubli le: 2008-01-10Sorti le: 2008-01-10Format: Ebook Kindle

(Free read ebook) A Student's Guide to Maxwell's Equations

Par Daniel Fleisch : A Student's Guide to Maxwell's Equations before purchasing it in order to gage whether or not it would be worth my time, and all praised A Student's Guide to Maxwell's Equations:

Download

Read Online

Description :

Prsentation de l'diteurGauss's law for electric fields, Gauss's law for magnetic fields, Faraday's law, and the Ampere-Maxwell law are four of the most influential equations in science. In this guide for students, each equation is the subject of an entire chapter, with detailed, plain-language explanations of the physical meaning of each symbol in the equation, for both the integral and differential forms. The final chapter shows how Maxwell's equations may be combined to produce the wave equation, the basis for the electromagnetic theory of light. This book is a wonderful resource for undergraduate and graduate courses in electromagnetism and electromagnetics.Revue de presse'Professor Fleisch is a great scientific

communicator.' electronicdesign.com' good examples and problems are given so the student can practice the skills being taught.' IEEE Microwave Magazine' its virtue is to address, through judicious selection of material and masterful repetition of important facts, the needs of a student who finds lectures and textbooks hard to understand, too complex, and besides the point of doing the assigned problems. Students who are struggling with the material will love the Guide. The Guide is a well-written, concise, honest tool that delivers just what it promises.' American Journal of Physics

Presentation de l'auteur

Gauss's law for electric fields, Gauss's law for magnetic fields, Faraday's law, and the Ampere-Maxwell law are four of the most influential equations in science. In this guide for students, each equation is the subject of an entire chapter, with detailed, plain-language explanations of the physical meaning of each symbol in the equation, for both the integral and differential forms. The final chapter shows how Maxwell's equations may be combined to produce the wave equation, the basis for the electromagnetic theory of light. This book is a wonderful resource for undergraduate and graduate courses in electromagnetism and electromagnetics.