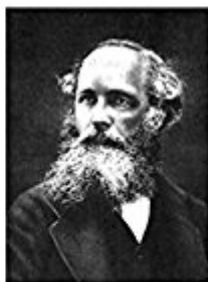The book was found

Maxwell's Equations Without The Calculus

Maxwell's Equations Without
The Calculus
"In Plain English"
Trademark

By Douglas Brooks, PhD

Synopsis

Maxwell published his famous equations in 1873. They form the absolute core of our understanding of electromagnetics and they stand virtually unchanged (not even "tweaked") since they were first published.In one sense, Maxwell's equations are beautifully simple. But in another sense, they are extremely complex, relying on very advanced calculus. The fundamental laws behind Maxwell's equations are familiar to most people. So this book focuses on those laws and expresses the equations in words, omitting the calculus (well, almost) entirely. This book explains how Maxwell's equations are formed, where they came from, and how they interrelate in words that even non-engineers can understand. This removes this very important topic from the complexities of the underlying mathematics and puts it in a form that everyone can understand. This book is intended for the average reader and for the engineering student who is facing his or her first introduction to Maxwell. Before you can understand the complexities of the mathematics, you need to understand the fundamental background behind the equations. That is what this book offers.

Book Information

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Customer Reviews

great explanations of some really complicated stuff. there is some calculus but author explains

24 pages long, expected more even though it was reasonably cheap. Not a 'book' at all. More like a pamphlet. Other Kindle books on similar topics have a lot more content. Save your money and get something else.

Short, concise and useful. I recommend this an introductory read for those interested in understanding Maxwell's equations. Well worth the price.

Maxwell's Equations Without the Calculus Transformations Of Coordinates, Vectors, Matrices And Tensors Part I: LAGRANGEÃ¢ ¬â„¢S EQUATIONS, HAMILTONÃ¢ ¬â„¢S EQUATIONS, SPECIAL THEORY OF RELATIVITY AND CALCULUS ... Mathematics From 0 And 1 Book 16) King and Maxwell (King & Maxwell) King and Maxwell (King & Maxwell Series) Calculus, Vol. 2: Multi-Variable Calculus and Linear Algebra with Applications to Differential Equations and Probability A Student's Guide to Maxwell's Equations Differential Equations and Boundary Value Problems: Computing and Modeling (5th Edition) (Edwards/Penney/Calvis Differential Equations) Fundamentals of Differential Equations (8th Edition) (Featured Titles for Differential Equations) Differential Equations: Computing and Modeling (5th Edition) (Edwards/Penney/Calvis Differential Equations) Applied Partial Differential Equations with Fourier Series and Boundary Value Problems (5th Edition) (Featured Titles for Partial Differential Equations) Student Solutions Manual to accompany Boyce Elementary Differential Equations 10e & Elementary Differential Equations with Boundary Value Problems 10e [Differential Equations, Dynamical Systems, and an Introduction to Chaos [DIFFERENTIAL EQUATIONS, DYNAMICAL SYSTEMS, AND AN INTRODUCTION TO CHAOS BY Hirsch, Morris W. (Author) Mar-26-2012] By Hirsch, Morris W. (Author) [2012) [Paperback] Student's Solutions Manual for Fundamentals of Differential Equations 8e and Fundamentals of Differential Equations and Boundary Value Problems 6e Numerical Partial Differential Equations: Conservation Laws and Elliptic Equations (Texts in Applied Mathematics) (v. 33) Algebra Essentials Practice Workbook with Answers: Linear & Quadratic Equations, Cross Multiplying, and Systems of Equations: Improve Your Math Fluency Series Algebra Essentials Practice Workbook with Answers: Linear & Quadratic Equations, Cross Multiplying, and Systems of Equations (Improve Your Math Fluency Series 12) How Einstein gives Dirac, Klein-Gordon and SchrÃƒÂ¶dinger: Deriving the SchrÃƒÂ¶dinger, Dirac and Klein-Gordon Equations from the Einstein-Field-Equations via an Intelligent Zero Partial Differential Equations of Mathematical Physics and Integral Equations (Dover Books on Mathematics) Ordinary Differential Equations:

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