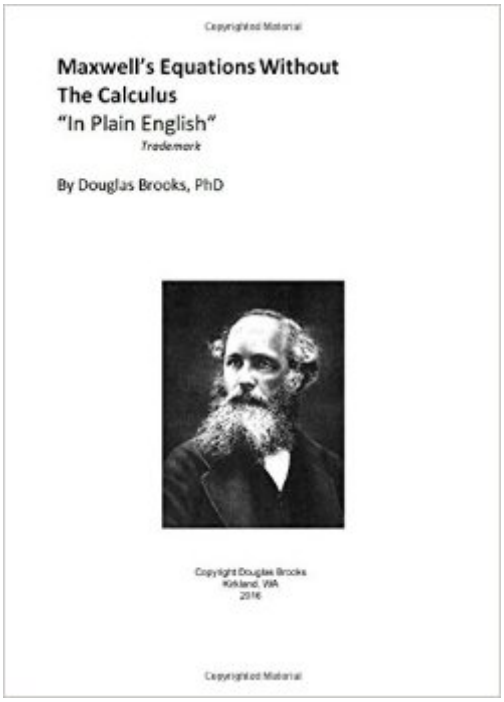
Maxwell's Equations Without The Calculus



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

James Clerk 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.Â 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.Â 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

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: LAGRANGE'S EQUATIONS, HAMILTON'S EQUATIONS, SPECIAL THEORY OF RELATIVITY AND CALCULUS ... Mathematics From 0 And 1 Book 16) Maxwell's Equations

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