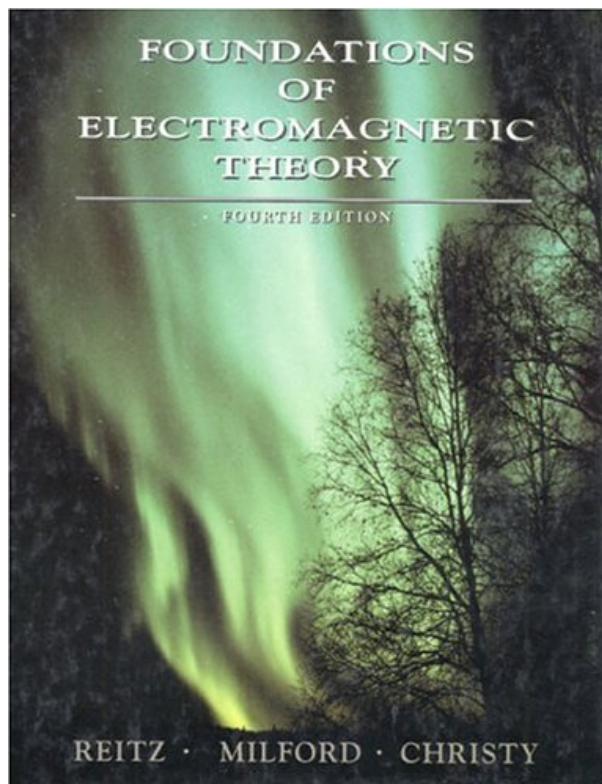
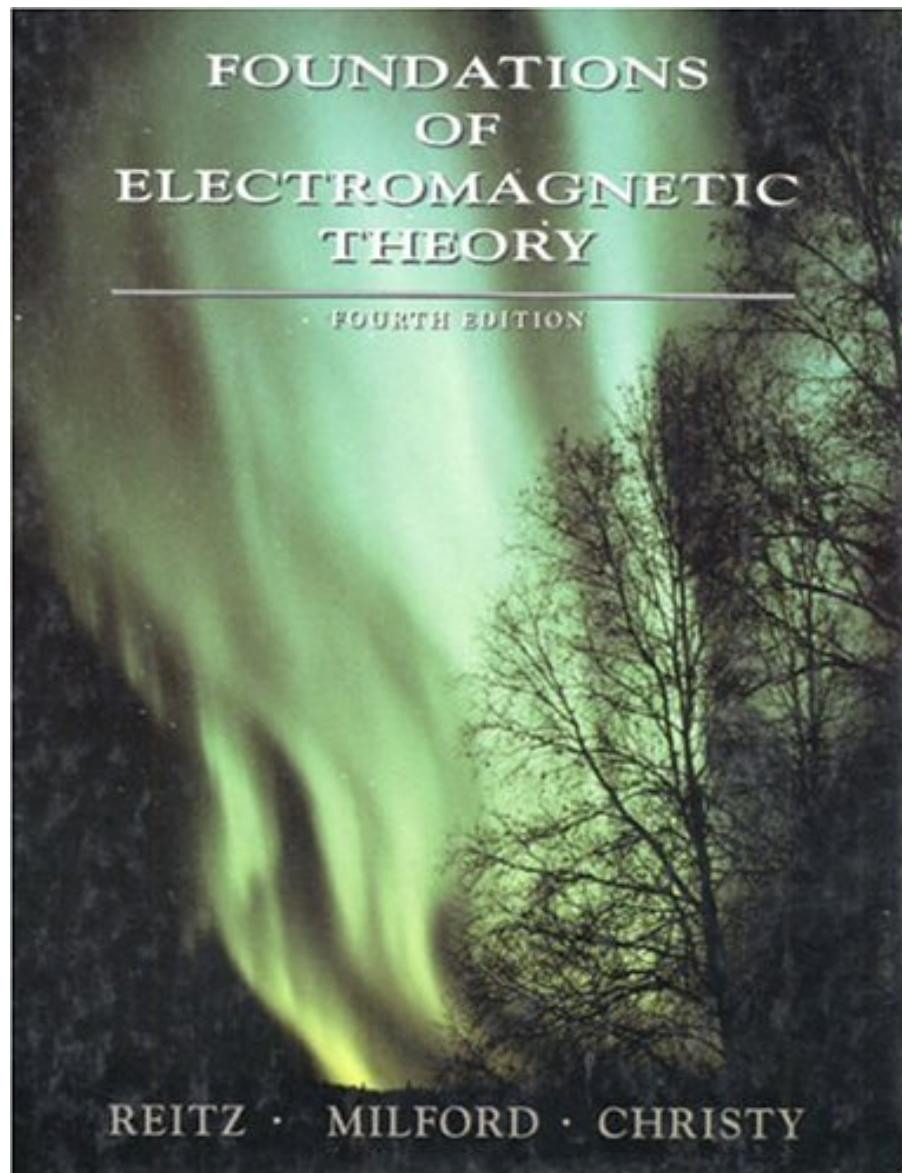


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## **About the Author**

John R. Reitz (Ph.D., University of Chicago, 1949) was a member of the Theoretical Division of Los Alamos Scientific Laboratory from 1949 to 1954, and a consultant to the Lab until 1964. He was a faculty member of Case Institute of Technology (now Case Western Reserve University) from 1954 to 1965 and was appointed Professor of Physics in 1960. From 1965 to 1987 he was Manager of the physics department at Ford Motor Company. Currently he is a consultant in physics and educational software.

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By A Customer

I'm writing this review to bolster the review written by glires. I believe that glires's review is very accurate. This book assumes the reader already has a working knowledge of electromagnetism.

This is not a book for self-study. If you want a self study book (or a light reference), I would recommend using David J. Griffiths book or some other book for introductory EMAG. (The book I originally learned from is no longer in print so I can't really recommend it).

That being said, once you get into chapter 3, the book is excellent. This book also uses the paradigm that solving problems is how you learn the theory. So, as glires noted, much of the proofing is left for you to do in the problems at the end of each chapter.

Also as glires noted, this is not a useful reference. There is no single location where all constants and formulas are listed.

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This text covers several topics that other books tend to overlook, making it a frequent choice for undergraduate courses. However, the effectiveness of the book is dependent primarily on the quality of the counterpart teacher, as the book is quite difficult to understand on its own.

Many of the proofs in the book omit the most difficult and complicated steps, which are above the level of an undergraduate to be able to work on their own. Also, the book chooses to rigorously prove certain Electromagnetic properties while completely omitting others while still assuming that the reader has a full knowledge of both.

As a reference, this book also falls short in that, in the fourth edition at least, most of the important constants and equations are left scattered throughout the text and not included in the summaries. Also, many of the fundamental mathematical tools are not presented in their entirety and instead rely on the completion of the problems at the end of the chapters. While this is good in that it motivates the student to do the calculations themselves, it offers no recourse to a student who has made a mistake in any problem or who lacks a preexisting intuitive knowledge of the material.

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