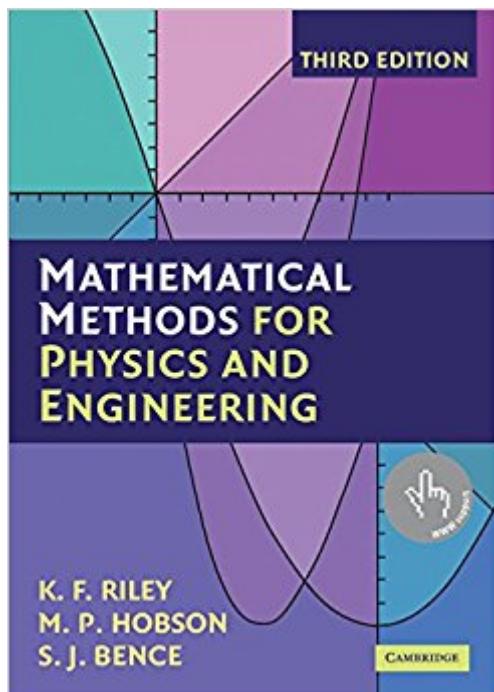The book was found

Mathematical Methods For Physics And Engineering: A Comprehensive Guide

Synopsis

The third edition of this highly acclaimed undergraduate textbook is suitable for teaching all the mathematics for an undergraduate course in any of the physical sciences. As well as lucid descriptions of all the topics and many worked examples, it contains over 800 exercises. New stand-alone chapters give a systematic account of the 'special functions' of physical science, cover an extended range of practical applications of complex variables, and give an introduction to quantum operators. Further tabulations, of relevance in statistics and numerical integration, have been added. In this edition, half of the exercises are provided with hints and answers and, in a separate manual available to both students and their teachers, complete worked solutions. The remaining exercises have no hints, answers or worked solutions and can be used for unaided homework; full solutions are available to instructors on a password-protected web site, www.cambridge.org/9780521679718.

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This highly acclaimed undergraduate textbook teaches all the mathematics for undergraduate courses in the physical sciences. Containing over 800 exercises, half come with hints and answers and, in a separate manual, complete worked solutions. The remaining exercises are intended for unaided homework; full solutions are available to instructors.

This is a wonderfully written reference for any math class. Abstract topics are explained in a manner

in which Engineers easily pick them up. I went through my entire BS pretending to understand math and since we started using this book for my entry level graduate class, I ACTUALLY feel like I understand some of this stuff.If your instructor recommends this book, props to him, and lucky you!If you just like math and wound up here without being forced to buy this book, I would get it anyway because its so good.

Terrific book, one phywical problem with binding (a chapter was glued in upside down) but very clear exposition. Excellent review for applied math, machine learning, EE, physics students

I bought this book because I felt that in my undergraduate Chemistry education, I didn't receive enough mathematical training. As I start graduate school, this book has been helpful in seeing the bigger picture of important mathematical concepts and tools. One can really learn a lot if you take the time to read the chapters AND do the problems. It is, in my opinion, a great resource if you need a refresher on some topic, although (as the authors note) not everything can be covered in detail.My only personal wish is that there was more visual, esp. graphical, content to accompany the concepts. As a visual learner this approach really helps me. The early chapters do well, but figures become sparse in later chapters. Other than that an excellent book.

The chapter on tensors should have been more clearly written. Other than that, it's amazing.

Has a chapter on numerical methods. Yay!

Sometimes it lets behind steps for solving problems... May be a bit obvious but trust me if you are studying for more than two hours this is gonna be an issue! Generally, a great book!!

Very good book. I just haven't read the whole thing but I just glanced through it.udate later

Very difficult! It will take a long time to complete this textbook.

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