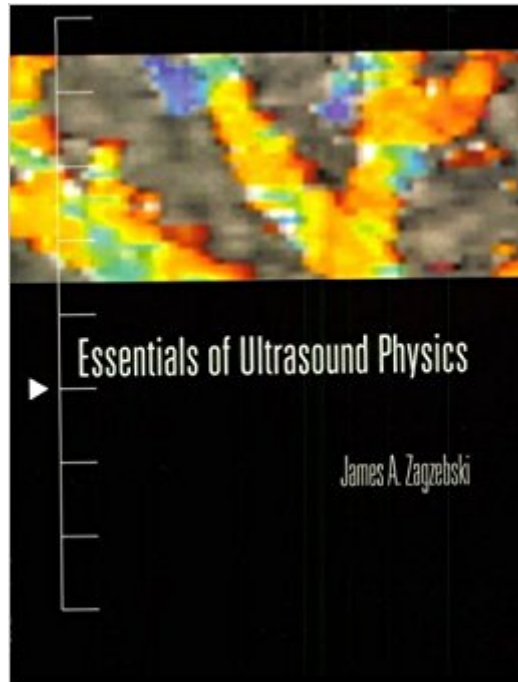




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Essentials Of Ultrasound Physics, 1e



Synopsis

A concise, practical reference that can be a companion to Hagen-Ansert Textbook of Diagnostic Ultrasonography 4e, or used as a stand-alone resource for anyone interested in ultrasound physics. This easy-to-follow text works well as a primer for the Registry exam. Topics covered include broadband transducers, modern beam formers, dynamic frequency filtering, intraluminal transducers, color flow imaging methodology, bioeffects and acoustic output labeling standards. Plus, chapter outlines, review questions and answers, and a practice Registry exam help to reinforce the learning process.

Book Information

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Customer Reviews

I live in the UK but there was no option for me to buy this book from .co.uk, unless I paid £188 for it! Here the seller was very easy to approach and he sent the book to me on the same day. I have recently received it, I wasn't expecting such quick delivery! It is in perfect condition. And the price was very competitive too. This is something I have been looking for. I am a MSc student building her career as a specialised Sonographer. Physics is one of those things that scares a lot of people, but what I find is that the more we sonographers, cardiologists, critical care specialists and others know about echo physics the better we are in our diagnosis and clinical management. The Principles of Ultrasound Physics book is a brilliant choice for literally anyone, even for people without basic knowledge of ultrasound technology. It is surprisingly slim, has great

diagrams, pictures and explains things succinctly. It concisely outlines the core areas first and then explains each topic in detail. At the end of each chapter there are some brilliant MCQ questions for you to check how much you understood. I would highly recommend it anyone who:- is a student-wants to finally master physics in a quick and very efficient way-develop a vast interest for medical ultrasound-build up on their knowledge (as a clinician, sonographer, other HC specialist)-better understand the topics of echo/vascular physics and image optimization. Both the seller and the book get 6 stars from me!

I used this book for the ASCeXam physics portion and did extremely well (~90%). Ultrasound principles from the basic level to understanding exactly the engineering principles of how an ultrasound machine produces an image are nicely and clearly covered in this book. Nothing more than high school physics is necessary. There's no calculus or diffiQ required. A simple understanding of wave properties and function are all that are needed. This book is great for the bottom line. I understand better how my ultrasound machine works from ground up to improve imaging. This book has definitely made me a better echocardiographer both in the OR and in the peri-operative clinic. If you're looking for more advanced imaging details and theoretical concepts - there's a host of more in-depth textbooks (not covered here). But for the bottom line, this book is great.

One of the best physics books! Even though it's pretty old, it has a lot of useful info that new books doesn't have. Helped me to understand basics and pass my Ultrasound Physics Exam!

Excellent book for an introductory ultrasound course.

well written book with good illustrations. Would have liked a few more numerical questions to answer so detailed

Although this book is in some regards quite dated (it talks about VHS tapes for recording), it is fantastic for providing an extremely accessible introduction to ultrasound physics. As a university professor doing research in ultrasound I HIGHLY recommend this book.

Now that I finished my ARDMS abdomen exam, I can say this book was adequate preparation for

this test. I am a physician so perhaps have a different background than the average reader, but I found the book very easy to read, with enough ultrasound images in the practice test portion of the book. This was the only book I used to prepare for the exam, and I scored 92%. There are occasional factual errors, mostly confined to the practice test, as well as rare typographical errors (that I noticed). Also the CDROM that comes with the book (containing the same practice exam as the text) has a tendency to repeat questions even when specifically set not to do so. Overall, a good way to spend time and money if passing the ARDMS-abdomen is your goal.

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