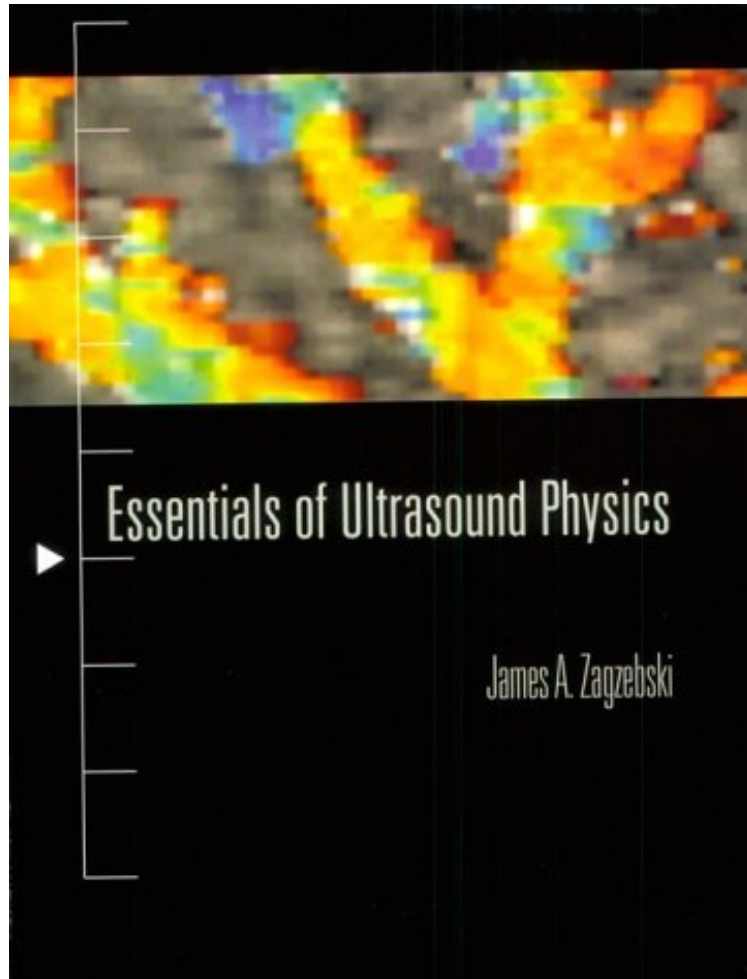


## Essentials Of Ultrasound Physics, 1e

*James A. Zagzebski PhD*

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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! 1 of 1 people found the following review helpful. Best Basics of Ultrasound Physics Book By RVJI 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. 1 of 1 people found the following review helpful. One of the best physic books By Marina One of the best physic books! Even though its pretty old, it has a lot useful info that new boos doesn't have. Helped me to understand basics and pass my Ultrasound Physic Exam!

A concise, practical reference that can be a companion to Hagen-Ansert Textbook of Diagnostic Ultrasonography 4/e, 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, colour flow imaging methodology, bioeffects and acoustic output labelling standards. Plus, chapter outlines, review questions and answers, and a practice Registry exam help to reinforce the learning process.