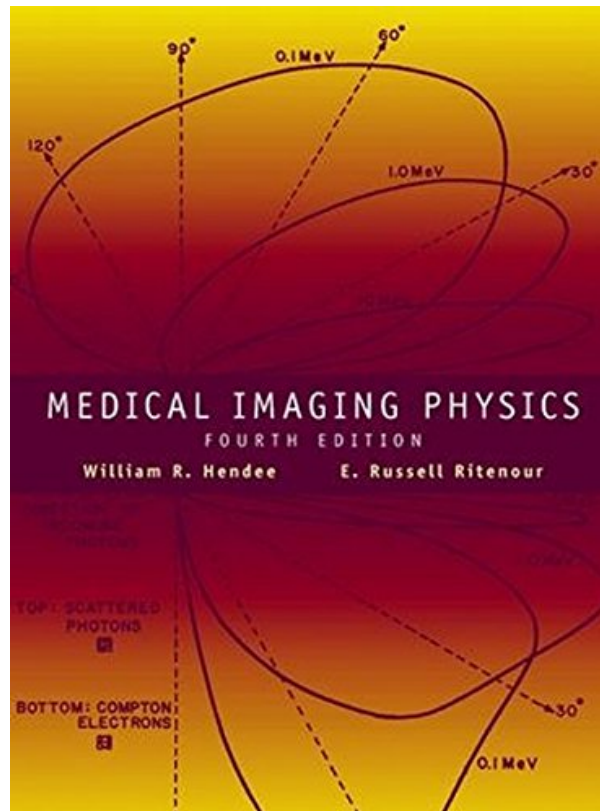
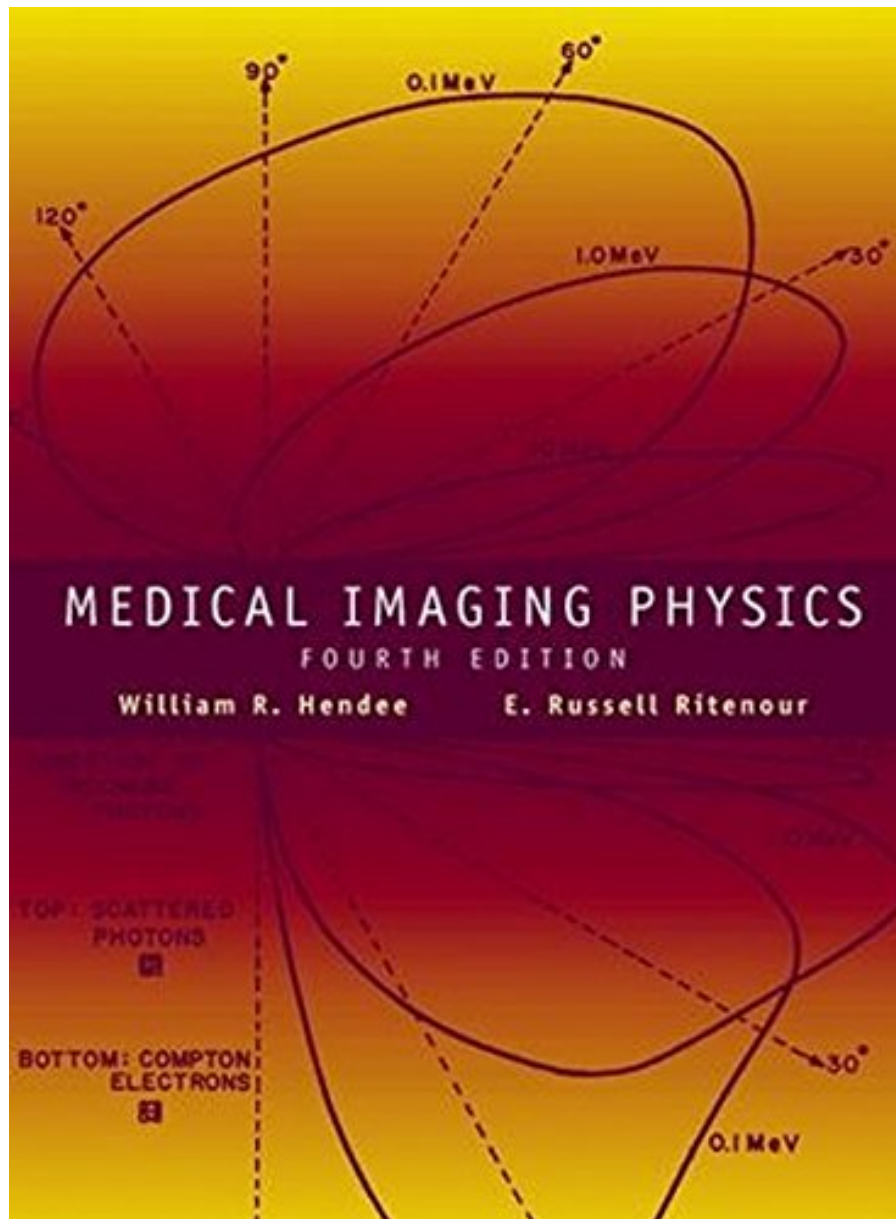


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Review

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From the Author

All medical imaging, including x-ray imaging, computed tomography, ultrasonography, nuclear medicine, positron emission tomography, and magnetic resonance imaging, is grounded in physics. Medical Imaging Physics presents the physics underlying medical imaging in a comprehensive and comprehensible manner. This book is helpful to physicians, physicists and engineers working in medical imaging, but can be understood by any non-specialist with a college background that includes science and engineering courses.

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This comprehensive publication covers all aspects of image formation in modern medical imaging modalities, from radiography, fluoroscopy, and computed tomography, to magnetic resonance imaging and ultrasound. It addresses the techniques and instrumentation used in the rapidly changing field of medical imaging. Now in its fourth edition, this text provides the reader with the tools necessary to be comfortable with the physical principles, equipment, and procedures used in diagnostic imaging, as well as appreciate the capabilities and limitations of the technologies.

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Most helpful customer reviews

4 of 4 people found the following review helpful.

Don't buy it

By Gizul

I had to buy this book for a class. I was very disappointed.

This edition has several typos and mistakes on the tables. The examples and problems sections are really irritating, sometimes they show a couple of equations and write 5 problems over the same equation over and over again, and I have found instances where the "answers to selected problems" section show incorrect information. There is very little physics that you can learn from those problems.

It seems that it is hard to find good books on Medical Imaging, but I highly recommend "The essential physics of medical imaging" (Bushberg. et al.) This is a very good review of the imaging techniques but it is not very quantitative. A more quantitative book I would recommend is "Medical Imaging: signals and systems" by Jerry L. Price.

If you have an option, don't waste your money on this book.

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Review of Medical Imaging Physics

By Edward J Goldschmidt Jr

This text is excellent for Medical Physicists preparing for the first part of their ABR or ABMP exam. This book is also a very good text for teaching Radiology Residents. Radiology Residents currently (4/12/03), do not use calculators for their ABR exam therefore they do not need to know most of the calculations that are presented in this text. The chapter on Radiation Detectors is an excellent primer for medical physicists, health physicists and Biomedical engineers. My only criticism of the text is that the QA recommendations are not current and the MRI section does not address image quality enough detail.

0 of 0 people found the following review helpful.

It's old, but still very good.

By James Blackwell

This was my first medical imaging book and I found it very easy to follow. It's getting a bit long in the tooth at this stage but it's a book where if you start from page 1 it will give you an excellent grounding in medical imaging physics and will allow you to explore more advanced and newer avenues. Yes it is in black&white but it is also very concise and easy to follow. I definitely would recommend it to a physics student trying to learn about medical imaging for the first time.

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