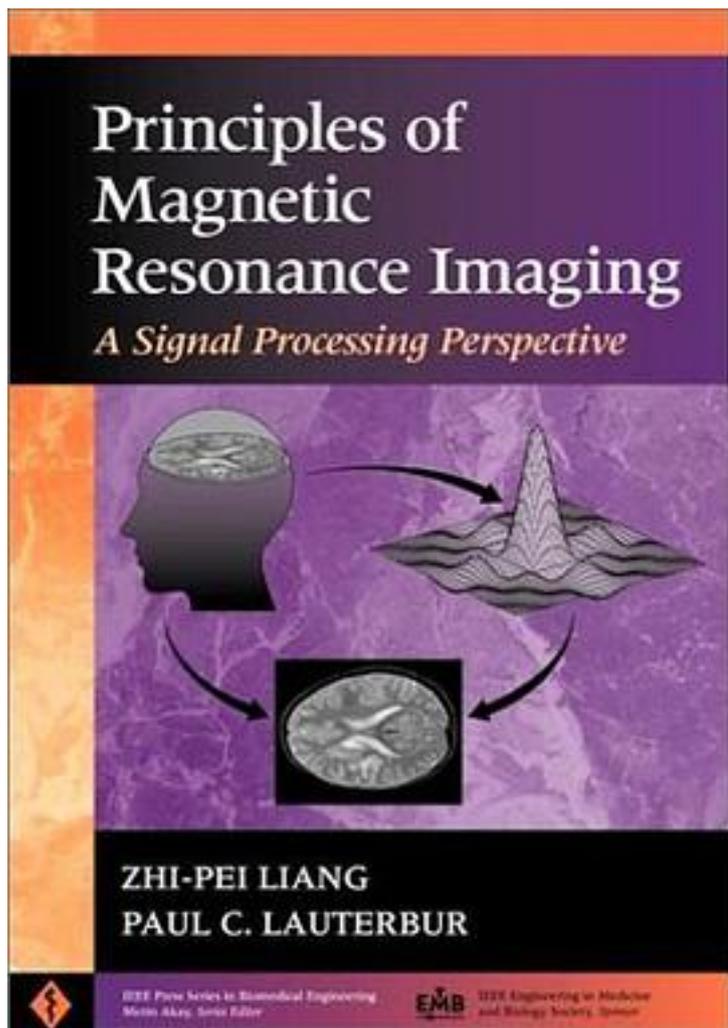


Principles of Magnetic Resonance Imaging



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著者:Zhi-Pei Liang

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在线阅读本书

In 1971 Dr. Paul C. Lauterbur pioneered spatial information encoding principles that made image formation possible by using magnetic resonance signals. Now Lauterbur, "father of the MRI", and Dr. Zhi-Pei Liang have co-authored the first engineering textbook on magnetic resonance imaging. This long-awaited, definitive text will help undergraduate and graduate students of biomedical engineering, biomedical imaging scientists, radiologists, and electrical engineers gain an in-depth understanding of MRI principles. The authors use a signal processing approach to describe the fundamentals of magnetic resonance imaging. You will find a clear and rigorous discussion of these carefully selected essential topics: Mathematical fundamentals Signal generation and detection principles Signal characteristics Signal localization principles Image reconstruction techniques Image contrast mechanisms Image resolution, noise, and artifacts Fast-scan imaging Constrained reconstruction Complete with a comprehensive set of examples and homework problems, Principles of Magnetic Resonance Imaging is the must-read book to improve your knowledge of this revolutionary technique.

作者介绍:

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标签

MRI

物理

MagneticResonance

评论

适合数理生读的MRI教材，只不过公式写得有些罗嗦～写essay时参考的～

数学比较多，果然是liang的风格

advanced MRI

教材，内容很多很详细。当克服了语言障碍之后，英文的教材比中文的好懂很多，而且因为更想把事情讲的清楚，会有很多篇幅，这相当于是把只是浓度稀释了，所以理解起来更加没有障碍。推荐。
不过。。这本书还是有些错误的。。我们老师竟然在课上玩起了“大家都来找错误”的游戏。。。

very clear! love it! Excellent book!

Lacks motivation.

MRI还挺有趣的

第三遍从头读这本书，希望别再半途而废，托腮。

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书评

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