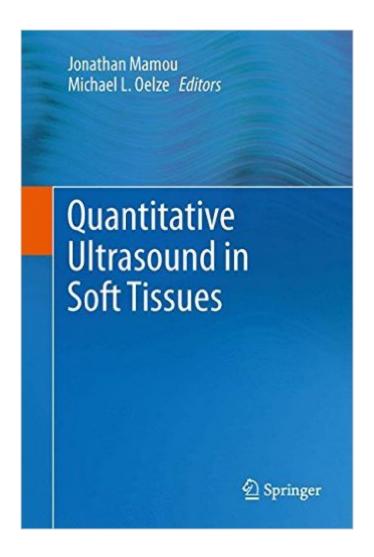
## The book was found

# Quantitative Ultrasound In Soft Tissues





### **Synopsis**

Due to parallel advances in signal processing and computer hardware in the last 15 years, quantitative ultrasound techniques have reached maturity, allowing for the construction of quantitative maps or images of soft tissues. This book will focus on 5 modern research topics related to quantitative ultrasound of soft tissues: - Spectral-based methods for tissue characterization, tissue typing, cancer detection, etc.; - Envelope statistics analysis as a means of quantifying and imaging tissue properties; - Ultrasound elastography for quantifying elastic properties of tissues (several clinical ultrasound scanners now display elastography images); - Scanning acoustic microscopy for forming images of mechanical properties of soft tissues with micron resolution (desktop size scanners are now available); and - Ultrasound computer tomography for breast cancer imaging (new ultrasound tomography systems have been developed and are currently under evaluation clinically).

#### **Book Information**

Hardcover: 444 pages

Publisher: Springer; 2013 edition (September 26, 2013)

Language: English

ISBN-10: 9400769512

ISBN-13: 978-9400769519

Product Dimensions: 6.1 x 1.2 x 9.2 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,966,981 in Books (See Top 100 in Books) #375 in Books > Science & Math > Biological Sciences > Biophysics #486 in Books > Computers & Technology > Computer Science > Bioinformatics #998 in Books > Science & Math > Physics > Acoustics & Sound

#### Download to continue reading...

Quantitative Ultrasound in Soft Tissues Quantitative Phase Imaging of Cells and Tissues (McGraw-Hill Biophotonics) Soft Corals: Selecting and Maintaining Soft Corals Feeding and Algal Symbiosis Lighting and Water Clarity (Creating the Reef Environment) Mineralized Tissues in Oral and Craniofacial Science: Biological Principles and Clinical Correlates Forensic Microscopy for Skeletal Tissues: Methods and Protocols (Methods in Molecular Biology) Understanding Ultrasound Physics, Third Edition Understanding Ultrasound Physics Ultrasound of the Foot and Ankle Examination Review for Ultrasound: Abdomen and Obstetrics & Gynecology Ma and Mateer's

Emergency Ultrasound, Third Edition Examination Review for Ultrasound: Sonography Principles & Instrumentation Emergency Ultrasound Made Easy, 2e Ultrasound of the Musculoskeletal System (Medical Radiology) Atlas of Ultrasound-Guided Musculoskeletal Injections (Atlas Series)

Comprehensive Atlas Of Ultrasound-Guided Pain Management Injection Techniques 2010

Musculoskeletal Ultrasound for the Extremities: A Practical Guide to Sonography of the Extremities

Atlas of Peripheral Nerve Ultrasound: With Anatomic and MRI Correlation Handbook of Critical Care and Emergency Ultrasound The Complete Guide to Vascular Ultrasound Surgical and Interventional Ultrasound

<u>Dmca</u>