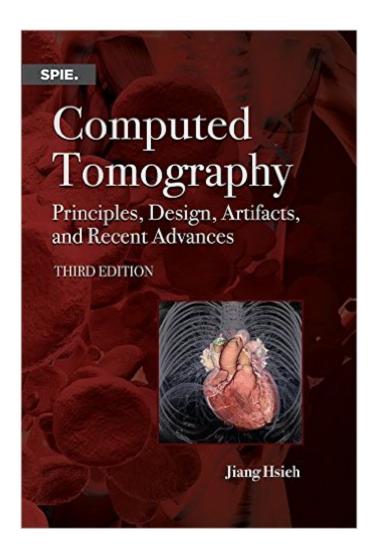
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Computed Tomography: Principles, Design, Artifacts, And Recent Advances (Press Monograph)





Synopsis

X-ray computed tomography (CT) has experienced an explosion of technological development for a quarter century. Six years after the second edition of Computed Tomography, this third edition captures the most recent advances in technology and clinical applications. New to this edition are descriptions of iterative reconstruction, statistical reconstruction, methodologies used to model the CT systems, and the searching methodologies for optimal solutions. A new section on 3D printing introduces approaches by early adopters in the area. Also added is a description and discussion of the size-specific dose estimate, an index that attempts to more accurately reflect the dose absorption of specific-sized patients. The coverage of dual-energy CT has been significantly expanded to include its background, theoretical development, and clinical applications.

Book Information

Series: Press Monograph Hardcover: 666 pages Publisher: Society of Photo Optical; 3 edition (October 16, 2015) Language: English ISBN-10: 1628418257 ISBN-13: 978-1628418255 Product Dimensions: 6 x 9 inches Shipping Weight: 3.4 pounds (View shipping rates and policies) Average Customer Review: Be the first to review this item Best Sellers Rank: #605,875 in Books (See Top 100 in Books) #65 in Books > Computers & Technology > Graphics & Design > Computer Modelling > Imaging Systems #267 in Books > Textbooks > Medicine & Health Sciences > Allied Health Services > Radiological & Ultrasound Technology #321 in Books > Medical Books > Allied Health Professions > Radiologic & Ultrasound Technology

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