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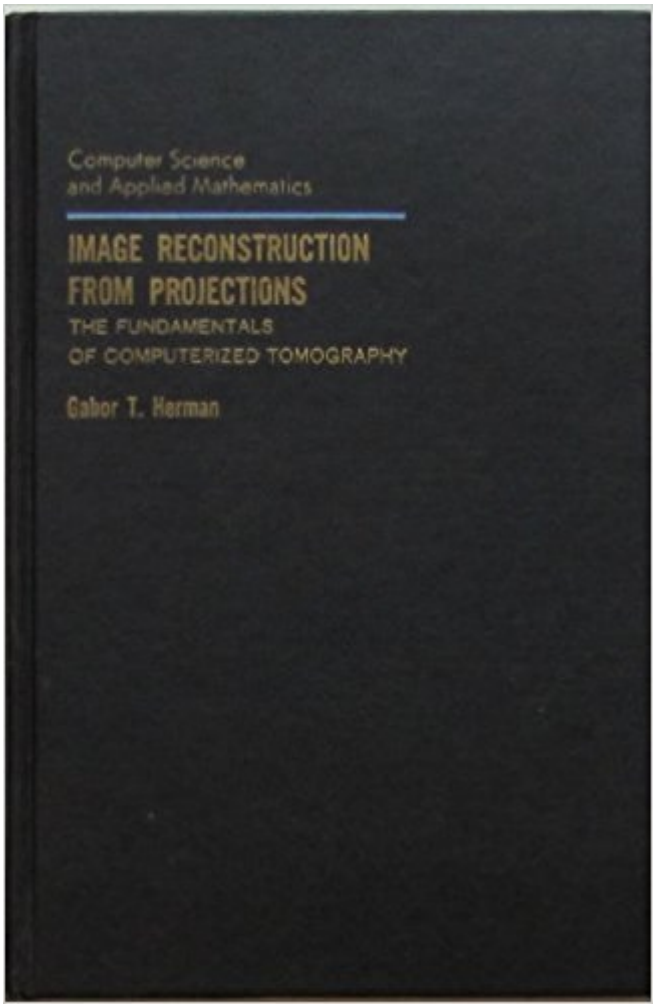

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Synopsis

This revised and updated second edition ÃƒÆ'Ã Â¢Ãƒâ Ã â ¬Ãƒâ Ã â œ now with two new chapters - is the only book to give a comprehensive overview of computer algorithms for image reconstruction. It covers the fundamentals of computerized tomography, including all the computational and mathematical procedures underlying data collection, image reconstruction and image display. Among the new topics covered are: spiral CT, fully 3D positron emission tomography, the linogram mode of backprojection, and state of the art 3D imaging results. It also includes two new chapters on comparative statistical evaluation of the 2D reconstruction algorithms and alternative approaches to image reconstruction.

Book Information

Series: Computer Science & Applied Mathematics
Hardcover: 316 pages
Publisher: Academic Pr (October 1980)
Language: English
ISBN-10: 0123420504
ISBN-13: 978-0123420503
Product Dimensions: 0.8 x 6.2 x 9.5 inches
Shipping Weight: 1.8 pounds (View shipping rates and policies)
Average Customer Review: 5.0 out of 5 stars 1 customer review
Best Sellers Rank: #1,728,654 in Books (See Top 100 in Books) #4 inÃ Â Books > Medical Books > Medicine > Computer Applications #606 inÃ Â Books > Textbooks > Medicine & Health Sciences > Allied Health Services > Radiological & Ultrasound Technology #799 inÃ Â Books > Medical Books > Allied Health Professions > Radiologic & Ultrasound Technology

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This book was already 20 yrs old when purchased, but had one of the most straight forward presentations of the subject.

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