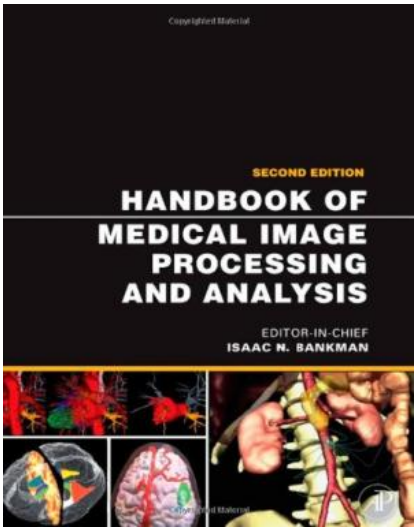

Handbook of Medical Image Processing and Analysis, Second Edition (Academic Press Series in Biomedical Engineering)

By -

Academic Press, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: ENHANCEMENT Introduction 1. Fundamental Enhancement Techniques 2. Adaptive Image Filtering 3. Enhancement by Multiscale Nonlinear Operators 4. Enhancement with Hybrid Filters 5. Model-based Enhancement and Artifact Reduction (NEW) SEGMENTATION Introduction 6. Overview and Fundamentals of Medical Image Segmentation 7. Segmentation by Fuzzy Clustering: Methods and Issues 8. Segmentation with Neural Networks 9. Deformable Models 10. Shape Constraints in Deformable Models 11. Gradient Vector Flow Deformable Models 12. Fully Automated Hybrid Segmentation 13. Volumetric segmentation 14. Partial Volume Segmentation with Voxel Histograms QUANTIFICATION Introduction 15. Two-dimensional Shape and Texture Quantification 16. Three-dimensional Texture Quantification 17. Computational Neuroanatomy Using Shape Transformations 18. Arterial Tree Morphometry 19. Computational Biomechanics Using Image-Based Models 20. Three-Dimensional Bone Angle Quantification 21. Database Selection and Feature Extraction 22. Quantitative Image Analysis for Estimation of Breast Cancer Risk 23. Classification of Breast Lesions from Mammograms 24. Quantitative Analysis of Cardiac Function 25. Three-Dimensional Cardiovascular Analysis (NEW) 26. Image Processing and Analysis in Tagged

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