

The book was found

# **3D Parametric Intensity Models For The Localization Of 3D Anatomical Point Landmarks And 3D Segmentation Of Human Vessels (Dissertations In Artificial Intelligence: Infix, Vol. 299)**





## Synopsis

This publication addresses two important problems in the field of 3D medical image analysis, namely the localization of 3D anatomical point landmarks as well as the segmentation and quantification of 3D tubular structures. 3D anatomical point landmarks are useful image features in a variety of applications, for example, for the registration of 3D brain images of different modalities (e.g. MR and CT). The central problem of utilizing anatomical point landmarks is, however, the reliable and accurate localization of such features from 3D medical images. This book introduces a new approach for the localization of 3D anatomical point landmarks, which is based on 3D parametric intensity models that are directly fitted to 3D images.

IOS Press is an international science, technical and medical publisher of high-quality books for academics, scientists, and professionals in all fields. Some of the areas we publish in: -Biomedicine -Oncology -Artificial intelligence -Databases and information systems -Maritime engineering -Nanotechnology -Geoengineering -All aspects of physics -E-governance -E-commerce -The knowledge economy -Urban studies -Arms control -Understanding and responding to terrorism -Medical informatics -Computer Sciences

## Book Information

Series: Dissertations in Artificial Intelligence (Book 299)

Paperback: 330 pages

Publisher: IOS Press; 1 edition (October 1, 2006)

Language: English

ISBN-10: 1586036351

ISBN-13: 978-1586036355

Product Dimensions: 1 x 5.8 x 8.2 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #12,001,346 in Books (See Top 100 in Books) #86 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Localization #4821

in Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Diseases #6295

in Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Radiology & Nuclear Medicine

[Download to continue reading...](#)

3D Parametric Intensity Models for the Localization of 3D Anatomical Point Landmarks and 3D

Segmentation of Human Vessels (Dissertations in Artificial Intelligence: Infix, Vol. 299) Java: Artificial Intelligence; Made Easy, w/ Java Programming; Learn to Create your \* Problem Solving \* Algorithms! TODAY! w/ Machine Learning & Data Structures (Artificial Intelligence Series) Javascript Artificial Intelligence: Made Easy, w/ Essential Programming; Create your \* Problem Solving \* Algorithms! TODAY! w/ Machine Learning & Data Structures (Artificial Intelligence Series) The Most Human Human: What Artificial Intelligence Teaches Us About Being Alive Anatomy and Pathology: The World's Best Anatomical Charts (The World's Best Anatomical Chart Series) Gene Expression Programming: Mathematical Modeling by an Artificial Intelligence (Studies in Computational Intelligence) Scenes and Landmarks Box Set (5 in 1): Landmarks, Seascapes, Buildings, and Other Scenes for Your Creative Adventure (Creativity and Peace) The School of Velocity, Op. 299 (Complete): For The Piano (Schirmer's Library of Musical Classics Vol. 161) Social Intelligence: A Practical Guide to Social Intelligence: Communication Skills - Social Skills - Communication Theory - Emotional Intelligence - Our Final Invention: Artificial Intelligence and the End of the Human Era Enhancing Indoor Localization with Proximity Information in WSN: A novel way of enhancing indoor localization in wireless sensor networks Localization in Wireless Sensor Network: An enhanced composite approach with mobile beacon shortest path to solve localization problem in wireless sensor network RF-based Indoor Localization in Sensor Networks: Localization Using Signal Fingerprinting Protocol for Wireless Localization Systems: Communications Protocol for RF-based Wireless Indoor Localization Networks A Manual for Writers of Research Papers, Theses, and Dissertations, Eighth Edition: Chicago Style for Students and Researchers (Chicago Guides to Writing, Editing, and Publishing) A Manual for Writers of Research Papers, Theses, and Dissertations, Seventh Edition: Chicago Style for Students and Researchers (Chicago Guides to Writing, Editing, and Publishing) Code of Federal Regulations, Title 21, Food and Drugs, Pt. 200-299, Revised as of April 1, 2016 Nursing: Human Science And Human Care (Watson, Nursing: Human Science and Human Care) Handbook of Market Segmentation: Strategic Targeting for Business and Technology Firms, Third Edition (Haworth Series in Segmented, Targeted, and Customized Market) Ships of the Civil War 1861-1865: An Illustrated Guide to the Fighting Vessels of the Union and the Confederacy

[Dmca](#)