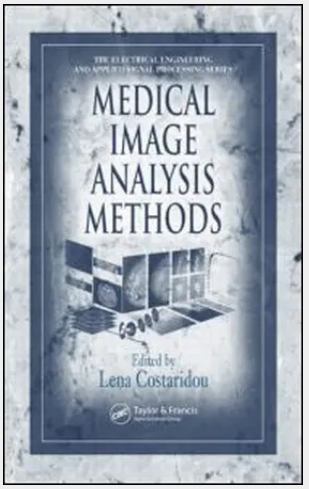
Costaridou

Medical Image Analysis Methods

To successfully detect and diagnose disease, it is vital for medical diagnosticians to properly apply the latest medical imaging technologies. It is a worrisome reality that due to either the nature or volume of some of the images provided, early or obscured signs of disease can go undetected or be misdiagnosed. To combat these inaccuracies, diagnosticians have come to rely on applications that focus on medical image analysis. While there is a vast amount of information available on these procedures, a single-source guide that can comprehensively yet succinctly explain them would be an invaluable resource to have. Medical Image Analysis Methods is that resource. It is an essential reference that details the primary methods, techniques, and approaches used to improve the quality of visually perceived images, as well as, quantitative detection and diagnostic decision aids. The book methodically presents this information by tapping into the expertise of a number of well-known contributing authors and researchers that are at the forefront of medical image analysis. This comprehensive volume illustrates analytical techniques such as, computer-aided diagnosis (CAD), adaptive wavelet image enhancement, and data-driven optimized image segmentation and registration. Paradigms of the analysis methods used in bioinformatics and neurosciences are also provided in respective chapters. In addition, this reference reviews techniques that are used to evaluate these major medical-image processing and analysis methods.



227,50 €
212,62 € (zzgl. MwSt.)

Kurzfristig nicht lieferbar, wird unverzüglich nach Lieferbarkeit versandt.

Artikelnummer: 9780849320897
Medium: Buch
ISBN: 978-0-8493-2089-7
Verlag: Taylor & Francis Inc
Erscheinungstermin: 13.07.2005
Sprache(n): Englisch
Auflage: 1. Auflage 2005
Serie: Electrical Engineering & Applied Signal Processing Series
Produktform: Gebunden
Gewicht: 885 g
Seiten: 504
Format (B x H): 162 x 244 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)