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MULTI-DIMENSIONAL IMAGE SEGMENTATION AND REGISTRATION



Dong Ping Zhang
Multi-dimensional image
segmentation and
registration
Coronary artery segmentation and motion modelling



Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Coronary artery segmentation and motion modelling | This book focuses on designing segmentation and motion tracking methods of the coronary arteries in order to build pre-operative patient-specific motion models. Various vessel centreline and lumen segmentation algorithms are presented, including intensity based approaches, geometric model matching method and morphology-based method. A probabilistic atlas of the coronary arteries is formed from a group of subjects to facilitate the vascular segmentation and registration procedures. Non-rigid...

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- Authored by Zhang, Dong Ping
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