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Nota di contenuto Imaging and Image Analysis -- Local Wall-Motion Classification in

Echocardiograms Using Shape Models and Orthomax Rotations -- A Fully 3D System for Cardiac Wall Deformation Analysis in MRI Data --Automated Tag Tracking Using Gabor Filter Bank, Robust Point Matching, and Deformable Models -- Strain Measurement in the Left Ventricle During Systole with Deformable Image Registration -- Vessel Enhancement in 2D Angiographic Images -- Effect of Noise and Slice Profile on Strain Quantifications of Strain Encoding (SENC) MRI --Reconstruction of Detailed Left Ventricle Motion from tMRI Using Deformable Models -- Computer Aided Reconstruction and Motion Analysis of 3D Mitral Annulus -- Volumetric Analysis of the Heart Using Echocardiography -- Constrained Reconstruction of Sparse Cardiac MR DTI Data -- An Experimental Framework to Validate 3D Models of Cardiac Electrophysiology Via Optical Imaging and MRI -- A Framework for Analyzing Confocal Images of Transversal Tubules in Cardiomyocytes -- Cardiac Electrophysiology -- Computer Simulation of Altered Sodium Channel Gating in Rabbit and HumanVentricular

Cardiomyocytes -- Cardiac Electrophysiology -- Computer Simulation of Altered Sodium Channel Gating in Rabbit and HumanVentricular Myocytes -- Scroll Waves in 3D Virtual Human Atria: A Computational Study -- Determining Recovery Times from Transmembrane Action Potentials and Unipolar Electrograms in Normal Heart Tissue -- Simulations of Cardiac Electrophysiological Activities Using a Heart-

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