

Contents

Dense Elastic 3D Shape Matching	1
<i>Frank R. Schmidt, Thomas Windheuser, Ulrich Schlickewei, and Daniel Cremers</i>	
Fast Regularization of Matrix-Valued Images.	19
<i>Guy Rosman, Yu Wang, Xue-Cheng Tai, Ron Kimmel, and Alfred M. Bruckstein</i>	
Recovering Piecewise Smooth Multichannel Images by Minimization of Convex Functionals with Total Generalized Variation Penalty	44
<i>Kristian Bredies</i>	
Half-Quadratic Algorithm for ℓ_p - ℓ_q Problems with Applications to TV- ℓ_1 Image Restoration and Compressive Sensing	78
<i>Raymond H. Chan and Hai-Xia Liang</i>	
A Fast Algorithm for a Mean Curvature Based Image Denoising Model Using Augmented Lagrangian Method	104
<i>Wei Zhu, Xue-Cheng Tai, and Tony Chan</i>	
A Smoothing Descent Method for Nonconvex TV q -Models.	119
<i>Michael Hintermüller and Tao Wu</i>	
A Fast Continuous Max-Flow Approach to Non-convex Multi-labeling Problems	134
<i>Egil Bae, Jing Yuan, Xue-Cheng Tai, and Yuri Boykov</i>	
A Geometric Multigrid Solver on Tsubame 2.0	155
<i>Harald Köstler, Christian Feichtinger, Ulrich Rüde, and Takayuki Aoki</i>	
Author Index	175