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Optimizing the Relevance-Redundancy Tradeoff for Efficient Semantic Segmentation	Caner Hazirbas, Julia Diebold, Daniel Cremers
Scale-space theory for auditory signals	Tony Lindeberg, Anders Friberg
Interactive Multi-label Segmentation of RGB-D Images	Nikolaus Demmel, Julia Diebold, Caner Hazirbas, Michael Möller, Daniel Cremers
Second Order Minimum Energy Filtering on SE(3) with Nonlinear Measurement Equations	Johannes Berge, Andreas Neufeld, Florian Becker, Christoph Schnoerr
On debiasing restoration algorithms: applications to total-variation and nonlocal-means	Charles-Alban Deledalle, Nicolas Papadakis, Joseph Salmon
Solution-Driven Adaptive Total-Variation Regularization	Frank Lenzen, Johannes Berger
Luminance-Hue Specification in the RGB Space	Fabien Pierre, Jean-François Aujol, Aurélie Bugeau, Vinh-Thong Ta
Infinite Dimensional Optimization Models and PDEs for Dejittering	Aniello Patrone, Guozhi Dong, Otmar Scherzer, Ozan Oektem
Some nonlocal filters formulation using functional rearrangements	Gonzalo Galiano, Julian Velasco
Robust Poisson Surface Reconstruction	Virginia Estellers, Michael Scott, Stefano Soatto
A L1-TV algorithm for robust perspective photometric stereo with spatially-varying lightings	Yvain Queau, Francois Lauze, DIKU, Jean-Denis Durou
Morphological Scale-Space Operators for Images Supported on Point Clouds	Jesus Angulo
Convex Color Image Segmentation with Optimal-transport Distances	Julien Rabin, Nicolas Papadakis
Separable time-causal and time-recursive spatio-temporal receptive fields	Tony Lindeberg
Invertible Orientation Scores of 3D Images	Michiel Janssen, Remco Duits, Marcel Breeuwer
Variational Perspective Shape from Shading	Yong Chul Ju, Michael Breuß, Andres Bruhn
Compressing Images with Diffusion- and Exemplar-based Inpainting	Pascal Peter, Joachim Weickert
Alternating Direction Method of Multiplier for Euler's Elastica Based Denoising	Maryam Yashtini, SungHa Kang
Duality Principle for Image Regularization and Perceptual Color Correction Models	Thomas Batard, Marcelo Bertalmío

Cartoon-Texture-Noise Decomposition with Transport Norms	Christoph Brauer, Dirk Lorenz
Piecewise Geodesics for Vessel Centerline Extraction and Boundary Delineation with application to Retina Segmentation	Da Chen, Laurent Cohen, Jean-Marie Mirebeau
New Approximation of a Scale Space Kernel on SE(3) and Applications in Neuroimaging	Jorg Portegies, Gonzalo Sanguinetti, Stephan Meesters, Remco Duits
Computation and Visualization of Local Deformation for Multiphase Metallic Materials by Infimal Convolution of TV-type Functionals	Frank Balle, Dietmar Eifler, Jan Henrik Fitschen, Sebastian Schuff, Gabriele Steidl
A Variational Model for Color Assignment	Jan Henrik Fitschen, Mila Nikolova, Fabien Pierre, Gabriele Steidl
Multiview Depth Parameterisation with Second Order Regularisation	Christopher Schroers, David Hafner, Joachim Weickert
Nonlocal Joint Segmentation Registration Model	Carole Le Guyader; Solène Ozeré
Data-driven Sub-Riemannian Geodesics in SE(2)	Gonzalo Sanguinetti, Erik Bekkers, Remco Duits, Alexey Mashtakov
Unsupervised Learning Using the Tensor Voting Graph	Shay Deutsch, Gerard Medioni
Asymptotic behaviour of total generalised variation	Konstantinos Papafitsoros, Tuomo Valkonen
PDE-based Color Morphology Using Matrix Fields	Michael Breuß, Ali Sharifi Boroujerdi, Andreas Kleefeld, Bernhard Burgeth
Edge-Preserving Integration of a Normal Field: Numerics for the Weighted Least Squares and L1 Approaches	Yvain Queau, Jean-Denis Durou
A new fast sparse algorithm for dense optimal transport	Bernhard Schmitze
Bilevel optimization with nonsmooth lower level problems	Peter Ochs, René Ranftl, Thomas Brox, Tom Pock
Probabilistic Correlation Clustering and Image Partitioning Using Perturbed Multicuts	Joerg Kappes, Paul Swoboda, Bogdan Savchynskyy, Tamir Hazan, Christoph Schnoerr
Partial Differential Equations of Bivariate Median Filters	Martin Welk
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Regularization with Sparse Vector Fields: From Image Compression to TV-type Reconstruction	Eva-Maria Brinkmann, Martin Burger
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Bilevel Image Denoising using Gaussianity tests	Fehrenbach Jérôme, Mila Nikolova, Gabriele Steidl, Weiss Pierre
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Bezier curves in the space of images	Stefan Simon, Kirsten Stahn, Martin Rumpf, Benedikt Wirth, Alexander Effland
Reconstruction of Surfaces from Point Clouds using a Lagrangian Surface Evolution Model	Mariana Remesikova, Karol Mikula, Matej Medla, Patrik Daniel
Fundamentals of Non-local Total Variation Spectral Theory	Jean-Francois Aujol, Guy Gilboa, Nicolas Papadakis
Solving Minimal Surface Problems on Surfaces and Point Clouds	Daniel Tenbrinck, François Lozes, Abderrahim Elmoataz
Spectral Representations of One-Homogeneous Functionals	Martin Burger, Lina Eckardt, Guy Gilboa, Michael Moeller
Artifact-free variational MPEG decompression	Martin Holler, Kristian Bredies
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Fast Minimization of Region-based Active Contours using the Shape Hessian of the Energy	Gunay Dogan