Keywords: Convex-relaxation

List of Publications

Journal Articles

[J1] B. Goldluecke, M. Aubry, K. Kolev and D. Cremers,
A Super-resolution Framework for High-Accuracy Multiview Reconstruction,

[J2] E. Strekalovskiy, A. Chambolle and D. Cremers,
Convex Relaxation of Vectorial Problems with Coupled Regularization,

[J3] C. Nieuwenhuis and D. Cremers,
Spatially Varying Color Distributions for Interactive Multi-Label Segmentation,

[J4] C. Nieuwenhuis, E. Toeppe and D. Cremers,
A Survey and Comparison of Discrete and Continuous Multi-label Optimization Approaches for the Potts Model,

[J5] B. Goldluecke, E. Strekalovskiy and D. Cremers,
Tight Convex Relaxations for Vector-Valued Labeling,

[J6] A. Chambolle, D. Cremers and T. Pock,
A Convex Approach to Minimal Partitions,

[J7] D. Cremers,
Optimal Solutions for Semantic Image Decomposition,

[J8] B. Goldluecke, E. Strekalovskiy and D. Cremers,
The Natural Total Variation Which Arises from Geometric Measure Theory,

[J9] K. Kolev, T. Brox and D. Cremers,
Fast Joint Estimation of Silhouettes and Dense 3D Geometry from Multiple Images,

[J10] D. Cremers and E. Strekalovskiy,
Total Cyclic Variation and Generalizations,

[J11] D. Cremers and K. Kolev,
Multiview Stereo and Silhouette Consistency via Convex Functionals over Convex Domains,

[J12] T. Pock, D. Cremers, H. Bischof and A. Chambolle,
Global Solutions of Variational Models with Convex Regularization,
Keywords: Convex-relaxation

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[J13] K. Kolev, M. Klodt, T. Brox and D. Cremers,
Continuous Global Optimization in Multiview 3D Reconstruction,

[J14] J. Keuchel, C. Schnörr, C. Schellewald and D. Cremers,
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[BC1] M. Klodt, F. Steinbruecker and D. Cremers,
Moment Constraints in Convex Optimization for Segmentation and Tracking,

[BC2] D. Cremers, T. Pock, K. Kolev and A. Chambolle,
Convex Relaxation Techniques for Segmentation, Stereo and Multiview Re-
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Conference and Workshop Papers

[C1] T. Möllenhoff and D. Cremers,
Sublabel-Accurate Discretization of Nonconvex Free-Discontinuity Problems,
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[C2] T. Möllenhoff, E. Laude, M. Moeller, J. Lellmann and D. Cremers,
Sublabel-Accurate Relaxation of Nonconvex Energies,
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[C3] E. Laude, T. Möllenhoff, M. Moeller, J. Lellmann and D. Cremers,
Sublabel-Accurate Convex Relaxation of Vectorial Multilabel Energies,
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Santiago, Chile, Dec 2015.

[C5] M. R. Oswald and D. Cremers,
Surface Normal Integration for Convex Space-time Multi-view Reconstruction,
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[C6] C. Nieuwenhuis, S. Hawe, M. Kleinsteuber and D. Cremers,
Co-Sparse Textural Similarity for Interactive Segmentation,
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[C7] M. R. Oswald, J. Stühmer and D. Cremers,
Generalized Connectivity Constraints for Spatio-temporal 3D Reconstruction,

[C8] E. Strekalovskiy and D. Cremers,
Real-Time Minimization of the Piecewise Smooth Mumford-Shah Functional,
Keywords: Convex-relaxation

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Portland, USA, 2013.

[C10] M. Souiai, E. Strekalovskiy, C. Nieuwenhuis and D. Cremers, 
*A Co-occurrence Prior for Continuous Multi-Label Optimization*, 
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*Scale-Aware Object Tracking with Convex Shape Constraints on RGB-D Images*, 
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[C14] J. Lellmann, E. Strekalovskiy, S. Koetter and D. Cremers, 
*Total Variation Regularization for Functions with Values in a Manifold*, 
Sydney, Australia, December 2013.

[C15] C. Nieuwenhuis, E. Strekalovskiy and D. Cremers, 
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*Fast and Globally Optimal Single View Reconstruction of Curved Objects*, 
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[C20] E. Strekalovskiy, A. Chambolle and D. Cremers, 
*A Convex Representation for the Vectorial Mumford-Shah Functional*, 
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[C21] N. Ufer, M. Souiai and D. Cremers, 
*Wehrli 2.0: An Algorithm for Tidying up Art*, 
Keywords: Convex-relaxation

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[C24] E. Strekalovskiy, B. Goldluecke and D. Cremers,
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[C26] C. Nieuwenhuis, E. Toeppe and D. Cremers,
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A Convex Framework for Image Segmentation with Moment Constraints,
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Non-Parametric Single View Reconstruction of Curved Objects using Convex Optimization,
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An Algorithm for Minimizing the Piecewise Smooth Mumford-Shah Functional,
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Marseille, France, October 2008.

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An Experimental Comparison of Discrete and Continuous Shape Optimization Methods, 
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Unsupervised Image Partitioning with Semidefinite Programming, 

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A Convex Approach for Computing Minimal Partitions, 