Keywords: Optical-flow  List of Publications

Journal Articles

[J1] E. Strekalovskiy, A. Chambolle and D. Cremers,
Convex Relaxation of Vectorial Problems with Coupled Regularization,

[J2] B. Goldluecke, E. Strekalovskiy and D. Cremers,
The Natural Total Variation Which Arises from Geometric Measure Theory,

Stereoscopic Scene Flow Computation for 3D Motion Understanding,

[J4] A. Sellent, M. Eisemann, B. Goldluecke, D. Cremers and M. Magnor,
Motion Field Estimation from Alternate Exposure Images,

[J5] N. Papenberg, A. Bruhn, T. Brox, S. Didas and J. Weickert,
Highly accurate optic flow computation with theoretically justified warping,
67(2): 141-158, April 2006.

[J6] D. Cremers and S. Soatto,
Motion Competition: A variational framework for piecewise parametric motion segmentation,

[J7] D. Cremers and C. Schnörr,
Statistical shape knowledge in variational motion segmentation,

Book Chapters

Adaptive structure tensors and their applications,

[BC2] J. Weickert, A. Bruhn, T. Brox and N. Papenberg,
A survey on variational optic flow methods for small displacements,

Conference and Workshop Papers

[C1] T. Windheuser and D. Cremers,
A Convex Solution to Spatially-Regularized Correspondence Problems,
October 2016.
Keywords: Optical-flow

List of Publications

[C2] A. Dosovitskiy, P. Fischer, E. Ilg, P. Haeusser, C. Hazirbas, V. Golkov, P. van der Smagt, D. Cremers and T. Brox,

[C3] E. Strekalovskiy, B. Goldluecke and D. Cremers,

[C4] C. Nieuwenhuis and D. Kondermann,

[C5] C. Nieuwenhuis, B. Berkels and M. Rumpf,

[C6] A. Sellent, M. Eisemann, B. Goldluecke, T. Pock, D. Cremers and M. Magnor,

[C7] A. Wedel, D. Cremers, T. Pock and H. Bischof,

[C8] F. Steinbruecker, T. Pock and D. Cremers,
Large Displacement Optical Flow Computation without Warping, Kyoto, Japan, 2009.

[C9] B. Berkels, C. Nieuwenhuis, C. Garbe and M. Rumpf,

[C10] F. Steinbruecker, T. Pock and D. Cremers,
Advanced Data Terms for Variational Optic Flow Estimation, Braunschweig, Germany, 2009.

Efficient Dense Scene Flow from Sparse or Dense Stereo Data, Marseille, France, October 2008.

[C12] A. Wedel, T. Pock, J. Braun, U. Franke and D. Cremers,

[C13] A. Wedel, T. Pock, C. Zach, D. Cremers and H. Bischof,

[C14] C. Zach, T. Pock and H. Bischof,

[C15] T. Pock, M. Urschler, C. Zach, R. Beichel and H. Bischof,
Keywords: Optical-flow

List of Publications

[C16] T. Brox, A. Bruhn and J. Weickert,
Variational motion segmentation with level sets,

[C17] T. Brox, A. Bruhn, N. Papenberg and J. Weickert,
High accuracy optical flow estimation based on a theory for warping,

[C18] D. Cremers and S. Soatto,
Variational space-time motion segmentation,

[C19] D. Cremers and A. L. Yuille,
A generative model based approach to motion segmentation,

[C20] T. Brox and J. Weickert,
Nonlinear matrix diffusion for optic flow estimation,

[C21] D. Cremers and C. Schnörr,
Statistical shape knowledge in variational motion segmentation,
A. Pece, Y. N. Wu and R. Larsen(Eds.), 1st Internat. Workshop on Generative-Model-Based Vision, Copenhagen, Univ. of Copenhagen, June, 2 2002.