Shape Priors

List of Publications

[C1] J. Stühmer and D. Cremers,
A Fast Projection Method for Connectivity Constraints in Image Segmentation,

[C1] J. Stühmer, P. Schröder and D. Cremers,
Tree Shape Priors with Connectivity Constraints using Convex Relaxation on General Graphs,
IEEE International Conference on Computer Vision (ICCV), Sydney, Australia, December 2013, Oral Presentation.

[J1] T. Brox, B. Rosenhahn, J. Gall and D. Cremers,
Combined region- and motion-based 3D tracking of rigid and articulated objects,

[C1] F. R. Schmidt and D. Cremers,
A Closed-Form Solution for Image Sequence Segmentation with Dynamical Shape Priors,
Pattern Recognition (Proc. DAGM), Jena, Germany, September 2009.

[J1] D. Cremers,
Nonlinear Dynamical Shape Priors for Level Set Segmentation,

[J1] D. Cremers, M. Rousson and R. Deriche,
A review of statistical approaches to level set segmentation: integrating color, texture, motion and shape,

[BC1] D. Cremers and M. Rousson,
Efficient kernel density estimation of shape and intensity priors for level set segmentation,
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<th>#</th>
<th>Author(s)</th>
<th>Title</th>
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<tr>
<td>[C2]</td>
<td>D. Cremers</td>
<td><strong>Nonlinear Dynamical Shape Priors for Level Set Segmentation</strong></td>
<td>IEEE Conference on Computer Vision and Pattern Recognition (CVPR)</td>
<td>2007</td>
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<td>[J1]</td>
<td>D. Cremers</td>
<td><strong>Dynamical statistical shape priors for level set based tracking</strong></td>
<td>IEEE Transactions on Pattern Analysis and Machine Intelligence</td>
<td>2006</td>
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<td>[C1]</td>
<td>T. Brox, A. Bruhn, N. Papenberg and J. Weickert</td>
<td><strong>High accuracy optical flow estimation based on a theory for warping</strong></td>
<td>European Conference on Computer Vision (ECCV)</td>
<td>2004</td>
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[J1] D. Cremers, F. Tischhäuser, J. Weickert and C. Schnörr,

**Diffusion Snakes: Introducing statistical shape knowledge into the Mumford–Shah functional,**


[C1] D. Cremers, T. Kohlberger and C. Schnörr,

**Nonlinear shape statistics in Mumford–Shah based segmentation,**


[C1] D. Cremers, C. Schnörr, J. Weickert and C. Schellewald,

**Learning of translation invariant shape knowledge for steering diffusion snakes,**


[C2] D. Cremers, C. Schnörr, J. Weickert and C. Schellewald,

**Diffusion Snakes using statistical shape knowledge,**