# References

[1] V. Lempitsky, A. Blake, C. Rother: *Branch-and-Mincut: Global Optimization for Image Segmentation with High-Level Priors*, Journal of Mathematical Imaging and Vision, November 2012, Volume 44, Issue 3, pp 315–329. (Extension of graph cut to binary high-level prior or non-submodular MRF case.)

C. Rother, V. Kolmogorov, V. Lempitsky, M. Szummer: *Optimizing Binary MRFs via Extended Roof Duality* , CVPR 2007.

[2] N. Komodakis, G. Tziritas: *Approximate Labeling via Graph Cuts Based on Linear Programming*, IEEE Transactions on Pattern Analysis and Machine Intelligence, Volume 29 Issue 8, June 2007 Pages 1436 - 1453. (Extension of graph cut to non-submodular and n-nary case.)

P. Kohli, A. Shekhovtsov, C. Rother, V. Kolmogorov, P. Torr: *On partial optimality in multi-label MRFs* , ICML 2008, Pages 480-487.

[3] P. F. Felzenszwalb, D. P. Huttenlocher: *Efficient Belief Propagation for Early Vision*, International Journal of Computer Vision , Volume 70, Issue 1, pp 41–54, October 2006 (Algorithms to get feasible solution for MRF)

V. Kolmogorov: *Convergent Tree-Reweighted Message Passing for Energy Minimization*, in IEEE Transactions on Pattern Analysis and Machine Intelligence, vol. 28, no. 10, pp. 1568-1583, Oct. 2006. doi: 10.1109/TPAMI.2006.200

[4] M. Keuper, E. Levinkov, N. Bonneel, G. Lavoue, T. Brox, B. Andres: *Efficient Decomposition of Image and Mesh Graphs by Lifted Multicuts*, ICCV 2015. (Global optimization model for segmentation)

T. Werner: *High-arity interactions, polyhedral relaxations, and cutting plane algorithm for soft constraint optimisation (MAP-MRF)*, CVPR 2008.

[5] J.H. Kappes, B. Andres, etc: *A Comparative Study of Modern Inference Techniques for Structured Discrete Energy Minimization Problems* (Overview of MRF methods)

V. Lempitsky, C. Rother, S. Roth, A. Blake: *Fusion moves for Markov random field optimization*, IEEE Trans Pattern Anal Mach Intell. 2010 Aug, 32(8):1392-405.

[6] S. Nowozin, C. H. Lampert: *Global Interactions in Random Field Models: A Potential Function Ensuring Connectedness*, CVPR 2008. (Segmentation with connectivity constraints, using cutting plane)

J. Stuhmer, P. Schröder, D. Cremers: *Tree Shape Priors with Connectivity Constraints using Convex Relaxation on General Graphs*, ICCV 2013.

[7] P. O. Pinheiro, R. Collobert, : *From Image-level to Pixel-level Labeling with Convolutional Networks*, CVPR 2015. (CNN on segmentation)

C. Farabet, C. Couprie, L. Najman, Y. LeCun : *Learning Hierarchical Features for Scene Labeling*, IEEE Transactions on Pattern Analysis and Machine Intelligence, Volume: 35, Issue: 8, Aug. 2013.

[8] D. Bertsimas and A. Thiele: *A Robust Optimization Approach to Inventory Theory*, Operations Research Vol. 54, No. 1 (Jan. - Feb., 2006), pp. 150-168. (Operations Research for Logistics)

H. Andersson, A. Hoff, M. Christiansen, G. Hasle, A. Lokketangen: *Industrial aspects and literature survey: Combined inventory management and routing*, Computers and Operations Research, Volume 37, Issue 9, September 2010, Pages 1515-1536.

[9] G. Cornuejols, R. Tutuncu: *Optimization Methods in Finance*, January 2006.