



Graph Cuts for Energy Minimization

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Abstract

Over the last few years energy minimization has emerged as an indispensable tool in computer vision. The reason for this rising popularity has been the successes of efficient Graph cut based minimization algorithms in solving many low level vision problems such as image segmentation, object recognition, and stereo reconstruction. This tutorial will explain how these algorithms work, and what classes of minimization problems they can solve.

Syllabus: St-Mincut, Maxflow, Submodular functions, Labelling Problems, Image Segmentation, Object Recognition