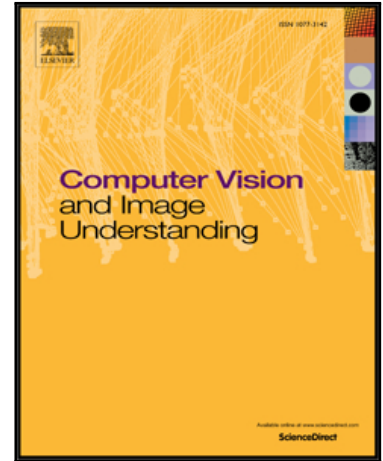


Accepted Manuscript

A New Primal-dual Algorithm for Multilabel Graph-cuts Problems with Approximate Moves

Ziang Cheng, Yang Liu, Guojun Liu

PII: S1077-3142(17)30134-0
DOI: [10.1016/j.cviu.2017.07.002](https://doi.org/10.1016/j.cviu.2017.07.002)
Reference: YCVIU 2598



To appear in: *Computer Vision and Image Understanding*

Received date: 22 November 2016
Revised date: 7 June 2017
Accepted date: 12 July 2017

Please cite this article as: Ziang Cheng, Yang Liu, Guojun Liu, A New Primal-dual Algorithm for Multilabel Graph-cuts Problems with Approximate Moves, *Computer Vision and Image Understanding* (2017), doi: [10.1016/j.cviu.2017.07.002](https://doi.org/10.1016/j.cviu.2017.07.002)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Approximated preflow algorithm is employed to make an expansion move in LP framework, exact max-flow/min-cut solutions are not required.
- This modification does not damage the optimality of graph-cuts algorithm (or PD algorithms).
- Significantly faster energy convergence rate than original PD algorithm when tested on GPU with same max-flow solver.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6937462>

Download Persian Version:

<https://daneshyari.com/article/6937462>

[Daneshyari.com](https://daneshyari.com)