

Accepted Manuscript

Exact Computational Solution of Modularity Density Maximization by Effective Column Generation

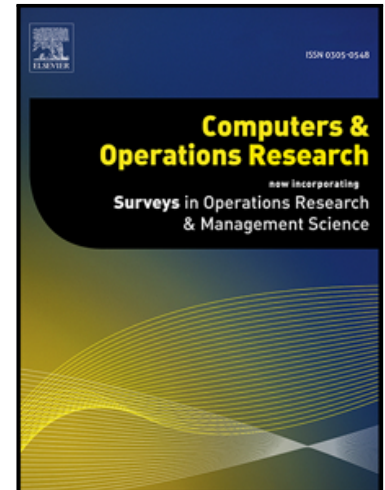
Rafael de Santiago, Luís C. Lamb

PII: S0305-0548(17)30104-1
DOI: [10.1016/j.cor.2017.04.013](https://doi.org/10.1016/j.cor.2017.04.013)
Reference: CAOR 4237

To appear in: *Computers and Operations Research*

Received date: 5 February 2016
Revised date: 25 April 2017
Accepted date: 26 April 2017

Please cite this article as: Rafael de Santiago, Luís C. Lamb, Exact Computational Solution of Modularity Density Maximization by Effective Column Generation, *Computers and Operations Research* (2017), doi: [10.1016/j.cor.2017.04.013](https://doi.org/10.1016/j.cor.2017.04.013)



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

- We present six new column generation methods for the exact solving of MDM.
- Two of our methods surpass the exact state-of-the-art algorithms in terms of time.
- Our methods provide optimal values for larger instances than current approaches.
- Our best method solves classical instances faster than known approaches.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/4959043>

Download Persian Version:

<https://daneshyari.com/article/4959043>

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