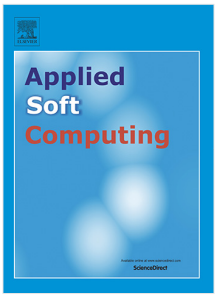
Accepted Manuscript



A novel multi-objective co-evolutionary algorithm based on decomposition approach

Zhengping Liang, Xuyong Wang, Qiuzhen Lin, Fei Chen, Jianyong Chen, Zhong Ming

PII: S1568-4946(18)30480-0
DOI: https://doi.org/10.1016/j.asoc.2018.08.020
Reference: ASOC 5051

To appear in: *Applied Soft Computing Journal*

Received date : 27 July 2017
Revised date : 14 July 2018
Accepted date : 17 August 2018

Please cite this article as: Z. Liang, et al., A novel multi-objective co-evolutionary algorithm based on decomposition approach, *Applied Soft Computing Journal* (2018), https://doi.org/10.1016/j.asoc.2018.08.020

***Highlights (for review)**

Highlights:

- A novel coevolution mechanism is realized in each subpopulation and external archive.
- Resource assignment is run on each subpopulation and external archive.
- Our algorithm presents some advantages over several competitive MOEAs.