

Accepted Manuscript

Title: Scheduling of short-term hydrothermal energy system by parallel multi-objective differential evolution

Authors: Zhong-kai Feng, Wen-jing Niu, Jian-zhong Zhou, Chun-tian Cheng, Yong-chuan Zhang



PII: S1568-4946(17)30474-X
DOI: <http://dx.doi.org/doi:10.1016/j.asoc.2017.07.054>
Reference: ASOC 4382

To appear in: *Applied Soft Computing*

Received date: 14-11-2016
Revised date: 5-7-2017
Accepted date: 26-7-2017

Please cite this article as: Zhong-kai Feng, Wen-jing Niu, Jian-zhong Zhou, Chun-tian Cheng, Yong-chuan Zhang, Scheduling of short-term hydrothermal energy system by parallel multi-objective differential evolution, *Applied Soft Computing Journal* <http://dx.doi.org/10.1016/j.asoc.2017.07.054>

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.

Scheduling of short-term hydrothermal energy system by parallel multi-objective differential evolution

Zhong-kai Feng^{a,*}; Wen-jing Niu^b; Jian-zhong Zhou^a; Chun-tian Cheng^c; Yong-chuan Zhang^a

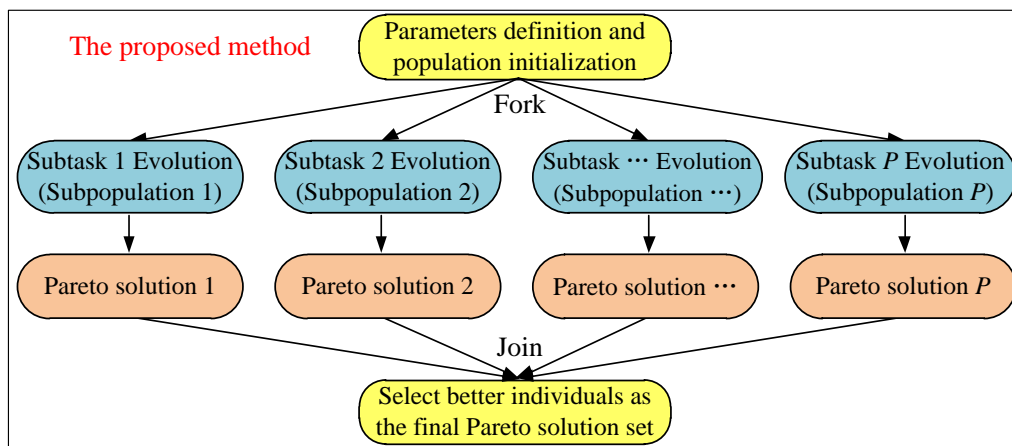
^a School of Hydropower and Information Engineering, Huazhong University of Science and Technology, Wuhan 430074, China.

^b Bureau of Hydrology, ChangJiang Water Resources Commission, Wuhan 430010, China.

^c Institute of Hydropower and Hydroinformatics, Dalian University of Technology, Dalian 116024 China.

E-mail (Corresponding author): myfellow@163.com

Graphical abstract



Highlights

- Parallel multi-objective differential evolution algorithm is proposed.
- Parallel technology is used to improve the population diversity.
- The basic operators are modified to enhance the convergence speed.
- Results from different cases demonstrate the effectiveness of PMODE.

Download English Version:

<https://daneshyari.com/en/article/4962904>

Download Persian Version:

<https://daneshyari.com/article/4962904>

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