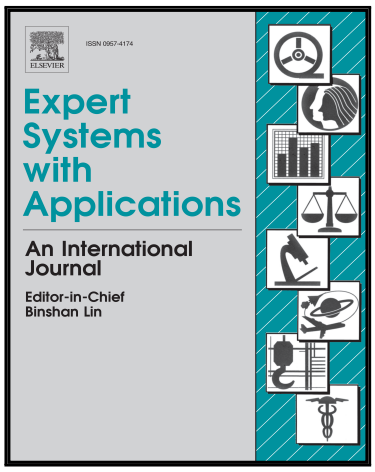
Accepted Manuscript



Optimal design of truss structures for size and shape with frequency constraints using a collaborative optimization strategy

Mohammad Farshchin , Charles V. Camp , Mohsen Maniat

PII: S0957-4174(16)30490-0
DOI: 10.1016/j.eswa.2016.09.012
Reference: ESWA 10876

To appear in: *Expert Systems With Applications*

Received date: 28 December 2015
Revised date: 26 August 2016
Accepted date: 7 September 2016

Please cite this article as: Mohammad Farshchin , Charles V. Camp , Mohsen Maniat , Optimal design of truss structures for size and shape with frequency constraints using a collaborative optimization strategy, *Expert Systems With Applications* (2016), doi: 10.1016/j.eswa.2016.09.012

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.

ACCEPTED MANUSCRIPT

Highlights

- A collaborative parallel optimization strategy is proposed.
- A higher-level TLBO algorithm called school-based optimization is developed.
- Size and shape optimization under frequency constraints is addressed.
- Comparative studies illustrate the superiority of the proposed algorithm.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/4943696

Download Persian Version:

https://daneshyari.com/article/4943696

Daneshyari.com