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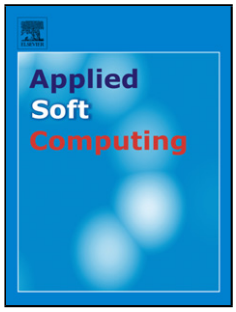

Title: A Multi-Objective Artificial Algae Algorithm

Authors: Ahmet Babalik, Ahmet Ozkis, S. Ali Uymaz,
Mustafa Servet Kiran

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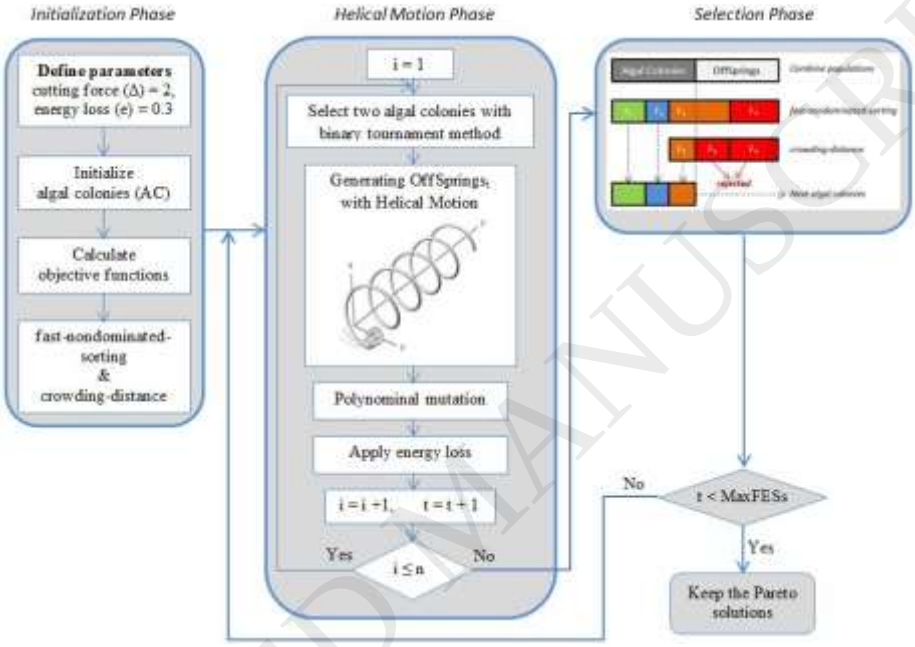
ACCEPTED MANUSCRIPT

A Multi-Objective Artificial Algae Algorithm

Ahmet Babalik, Ahmet Ozkis*, S.Ali Uymaz, Mustafa Servet Kiran

Selcuk University, Faculty of Engineering, Department of Computer Engineering, 42075 Konya, Turkey

GRAPHICAL ABSTRACT



Highlights

- Artificial Algae Algorithm (AAA) is modified for multi-objective optimization, MOAAA for short.
- The MOAAA has been tested on 36 different benchmark problems along with 4 other algorithms.
- Obtained results show that the MOAAA is highly successful and competitive algorithm.

Abstract

In this study, the authors focus on modification of the artificial algae algorithm (AAA), for multi-objective optimization. Basically, AAA is a population-based optimization algorithm inspired by the behavior of microalgae cells. In this work, a modified AAA with appropriate strategies is proposed for multi-objective Artificial Algae Algorithm (MOAAA) from the first

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