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An improved scatter search algorithm for the single machine total weighted tardiness scheduling problem with sequence-dependent setup times 1.

Introduction. One of the most thoroughly studied scheduling problems is the single machine total weighted tardiness... 2. The improved scatter search ...

*An improved scatter search algorithm for the single ...*

3. Improved scatter search algorithm. The SS method, based on its ability to conduct selections of good and different solutions using the reference set, is effective for a global search (Huang, Wunsch, Levine, & Jo, 2008). Unlike other evolutionary algorithms, it focuses on the most successful individuals rather than on processing the entire population, and it adds the most distinct individuals into the reference set to achieve diversity.

*An improved scatter search algorithm for the uncapacitated ...*

<P>Background: Mathematical models play a central role in facilitating researchers to better understand and comprehensively analyze various processes...

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## *An Improved Scatter Search Algorithm for Parameter ...*

Improved scatter search algorithm based on meerkat clan algorithm to solve NP-hard problems. A modified Scatter Search (SS) algorithm based on Meerkat Clan Algorithm (MCA) has been presented in this paper. SS is one of the important metaheuristic algorithms, while the MCA is one of the recent swarm intelligence algorithms. ...

## *Improved scatter search algorithm based on meerkat clan ...*

In this study, the scatter search algorithm (SS) was improved to solve the UFL problems. The SS method can be applied directly to problems with binary search space and supports random search mechanism with good solutions obtained from previous problem solving efforts as opposed to other evolutionary algorithms.

## *An improved scatter search algorithm for the uncapacitated ...*

Subsequently, an improved scatter search (ISS) algorithm is proposed to handle the CAP. Several improvement mechanisms have been applied to the ISS according to the special characteristics of the problem, such as the adoption of a simulated annealing operation, a dynamic reference set update method, and an improved subset generation method.

## *An improved scatter search algorithm for the corridor ...*

The improved algorithm is based on hybridization of quasi oppositionbased

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learning in enhanced scatter search (QOBLESS) method. The algorithm is tested using a largescale metabolic model of Chinese Hamster Ovary (CHO) cells. Results: The experiment result shows that the proposed algorithm performs better than other algorithms in terms of convergence speed and the minimum value of the objective function (loglikelihood).

### *An Improved Scatter Search Algorithm for Parameter ...*

A new algorithm for global optimization of costly nonlinear continuous problems is presented in this paper. The algorithm is based on the scatter search metaheuristic, which has recently proved to be efficient for solving combinatorial and nonlinear optimization problems. A kriging-based prediction

### *Improved scatter search for the global optimization of ...*

strategy of cuckoos. This paper presents enhanced scatter search algorithm using CS algorithm. The improvement provides Scatter Search with random exploration for search space of problem and more of diversity and intensification for promising solutions. The original and improved Scatter Search has been

### *Improved Scatter Search Using Cuckoo Search*

In this paper, an improved Scatter Search algorithm based on Bees Algorithm has been presented. The improvement provides Scatter Search with random exploration for search space of problem and more of intensification for promising

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solutions. The original and improved Scatter Search has been tested on Traveling Salesman Problem.

*Improvement of scatter search using Bees Algorithm - IEEE ...*

through it in this thesis we present an improved scatter search ss algorithm for predicting all atoms protein structures using the charmm22 energy model our algorithm produces a 3d structure of the whole protein by minimizing the energy function linked to protein folding this is based on a sequence

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to be efficient for solving combinatorial and nonlinear optimization problems a kriging based prediction ...

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