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Evolutionary Algorithms ~~Multiobjective Optimization: Constraint Method~~

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Stochastic Dynamic Programming for reservoir operation (1) [An introduction to nature-inspired metaheuristic algorithms Part 1](#) [Multi-objective optimization - Introduction](#) [Lab Tutorial: Multi-Objective Decision Making](#) *A Fuzzy Dynamic Multi Objective*

In this paper, a fuzzy dynamic multi-objective DEA model is presented in which data are changing sequentially. This paper assesses the performance of the railways using presented model as a numerical example to evaluate the results of the model.

Fuzzy dynamic multi-objective Data Envelopment Analysis ...

In this paper a fuzzy mixed integer nonlinear programming model is proposed for a multi-item multi-period problem in multi-level supply chain. Minimizing costs, manufacturing and transportation time, transportation risks, maximizing quality by minimizing the number of defective products and maximizing customers' service levels are considered to be objective functions of the model.

[PDF] *A fuzzy dynamic multi-objective, multi-item model by ...*

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A fuzzy dynamic multi-objective multi-item model by considering customer satisfaction in a supply chain S. Fazli Beshelia;, R. Nemati Keshtelib, S. Emamic and S.M. Rasoulia a. Department of Industrial Engineering, Mazandaran Institute of Technology, Babol, Mazandaran, P.O. Box 744, Iran. b.

A fuzzy dynamic multi-objective multi-item model by ...

A Fuzzy Dynamic Multi Objective is a Multi-Objective Evolutionary Algorithm (MOEA) that has been applied to find Pareto front solutions in different fields of studies. Sadeghi and Niaki [26] applied NSGA-II to solve a multi-objective vendor-managed inventory problem with trapezoidal fuzzy demands.

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Multi-objective dynamic VRP with fuzzy time window As mentioned earlier, this paper uses a direct interpretation of the DVRPFTW as a multi-objective model where the distance traveled by the vehicles, the total number of vehicles used to serve the customers and the total waiting time of

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In this paper, a multi-objective dynamic fuzzy scheduling (MDFS) model and its algorithm considering the emergencies in PCD are presented to solve above dilemma. Based on the general information of PCD, dynamic scheduling procedure is proposed to manage the possible perturbations, and fuzzy trapezoid numbers are used to express the fuzziness of task process time and due date.

Multi-objective dynamic fuzzy scheduling and its algorithm ...

a fuzzy dynamic multi objective In this paper, a fuzzy dynamic multi-objective DEA model is presented

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in which data are changing sequentially. This paper assesses the performance of the railways using presented model as a numerical example to evaluate the results of the model. Fuzzy dynamic multi-objective Data Envelopment Analysis ...

A Fuzzy Dynamic Multi Objective Multi Item Model By | test ...

In this paper a fuzzy mixed integer nonlinear programming model is proposed for a multi-item multi-period problem in multi-level supply chain. Minimizing costs, manufacturing and transportation time, transportation risks, maximizing quality by minimizing the number of defective products and maximizing customers' service levels are considered to be objective functions of the model.

A fuzzy dynamic multi-objective, multi-item model by ...

Fuzzy dynamic multi-objective Data Envelopment Analysis model. ... multi-objective DEA models in static environment are an attractive technique for evaluation quantity and quality aspects of ...

(PDF) Fuzzy dynamic multi-objective Data Envelopment ...

Therefore, a fuzzy multi-period, multi-objective, mixed-integer mathematical programming model is developed in this paper, which considers economic, environmental, and social aspects of the proposed RL network configuration.

A fuzzy multi-objective optimization model for sustainable ...

Abstract: In order to solve the problem of multi-period material supply in emergency logistics network, a dynamic multi-objective optimization mathematical model with constraints is constructed. The model

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takes the minimum cost and the maximum fill rate of demands as the objectives, and takes the location of distribution centers and the allocation of material as the decision variables.

Dynamic multi-objective optimization for multi-period ...

A fuzzy dynamic multi-objective, multi-item model by considering customer satisfaction in supply chain @article{Besheli2017AFD, title={A fuzzy dynamic multi-objective, multi-item model by considering customer satisfaction in supply chain}, author={Shabnam Fazli Besheli and Ramazan Nemati Keshteli and S. Emami and S. M. Rasouli}, journal={Scientia Iranica}, year={2017}, volume={24}, pages={2623 ...

Table 7 from A fuzzy dynamic multi-objective, multi-item ...

Methods/ Statistical Analysis: In order to incorporate ambiguity into the manufacturing environment, the authorshave designed and developed a fuzzy expert system using Sugeno model based on the dynamic ranges of triangular membership functions for input objectives which is extremely efficient as compared to the Mamdani method in classifying vague data. In this paper, the authors proposearchitecture for fuzzy expert system based on multi objective criteria for selection of manufacturing ...

Dynamic Fuzzy Expert System for Multi Objective Criteria ...

A multi-objective fuzzy approach to closed-loop supply chain network design with regard to dynamic pricing. Soroush Avakh Darestani, Faranak Pourasadollah. Research ... then, because model is multi-objective, the fuzzy mathematical programming approach is used to convert multi-objective model into a single objective; finally, the model by ...

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A multi-objective fuzzy approach to closed-loop supply ...

as a fuzzy triangular number. The second aspect concerns the cost discount rate of the components. Fuzzy multi-objective optimization problem is developed to handle the fuzziness of the problem. Then, the expected value concept is used to convert developed model to a crisp model. Finally, multi-objective

CiteSeerX — Search Results — Fully Fuzzy Multi-objective ...

In this paper, a new method named as Mehar's method, is proposed to find the exact fuzzy optimal solution of fully fuzzy multi-objective transportation problems (FFMOTP).

Fully Fuzzy Multi-objective Berth Allocation Problem ...

Solving multi-objective dynamic optimization problems with fuzzy satisfying method Cheng-Liang Chenn,y, Chia-Yuan Chang and Daim-Yuang Sun Department of Chemical Engineering, National Taiwan University, Taipei 10617, Taiwan, R.O.C. SUMMARY This article proposes a novel algorithm integrating iterative dynamic programming and fuzzy aggregation to ...

Solving multi-objective dynamic optimization problems with ...

In spite of the classic approaches of solution of dynamic facility layout problem, which only material handling and rearrangement costs are considered as objective function, these problems are the multi-objective problems. In this paper, a mixed integer linear programming formulation is presented for multi-objective dynamic facility layout problem concerning flexible bay structure.

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Parallel variable neighborhood search for solving fuzzy ...

The main goal of this paper is to introduce a novel dynamic multi-objective optimization algorithm. First, after detecting the environmental changes, Borda count ranking method is applied to population in order to assign the Borda score to each individual, and then the lowest score individuals are removed from population and replaced with new created solutions.

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