Using Genetic Algorithm to Generate Pareto-Front in Multi-Objective Problem

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 180
Number 51

Year of Publication: 2018

Authors:
Ir. M. Dachyar, Farizal, Celine Kurniajaya

10.5120/ijca2018917346

Abstract

Business must minimized time and cost for their operational activity. By doing this, customer can increase their satisfaction. In order to fulfill every order, one of core activity was material order process. Material order process optimization was multi-objective problem because there is a need to minimize both cost and time used for this process. Genetic Algorithm was used to solve this problem. This paper aims to provide pareto-front solutions for material order process multi-objective problem.

References

Using Genetic Algorithm to Generate Pareto-Front in Multi-Objective Problem

5. ww2.mathworks.cn (Accessed on May 20th, 2018 at 1 pm)

Index Terms

Computer Science
Artificial Intelligence

Keywords

Pareto-front, genetic algorithm, multi-objective problem, objective function, constrained optimization.