Abstract

In a world, which goes quickly, the company is subjected to the market evolution. Also and to cope with it, the system of production is directed towards families of products and not a single type of product. This aptitude requires a great flexibility as well material as organizational. The problems associated with FMS technology is relatively complexes compared to traditional production systems. This is the reason why the problems scheduling in these systems are NP complete. Therefore, there is no algorithm able to solve these problems exactly. The objective of this work is to solve the problem of scheduling in a flexible production system by the adaptation of the genetic algorithm and the hybrid genetic algorithm - using the simple local search and the annealing simulate - in order to deduce the best Meta heuristic, which provides the best result of makespan.

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Index Terms

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Keywords

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