Abstract

Scheduling is the process of allocating tasks to resources with the aim of optimizing some objective functions. Many algorithms are developed to schedule tasks on their resources. Some of these algorithms are max-min, Enhanced max-min, Improved algorithm 1 on max-min, MASA and e-MASA scheduling algorithms. This paper proposes an algorithm ACTA (Average of Completion Times Algorithm) to improve the makespan produced by these algorithms. The results show that the makespan produced by ACTA is smaller than those produced by the above algorithms.

References

2. Sanjaya K. P., "Efficient Scheduling Heuristics for Independent Tasks in Computational...

Index Terms

Computer Science  Algorithms

Keywords

Scheduling, Scheduling algorithm, Max-min algorithm, min-min algorithm, Enhanced max-min scheduling algorithm, Minimum Average Scheduling Algorithm MASA, Enhanced Minimum Average Scheduling Algorithm, e-MASA, Average of Completion Times Algorithm, ACTA