Two-machine shop scheduling with zero and unit processing times


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Abstract

We consider the two machine flow shop and open shop problems to minimize the weighted mean flow-time, processing times being equal to 0 or 1. The solution to the open shop problem is based on algorithms for the flow shop problem and the corresponding two parallel identical machine problem. For all problems $O(n \log n)$ algorithms are proposed. © 1998 Elsevier Science B.V. All rights reserved.

Author keywords

Flow shop; Open shop; Optimal schedule; Polynomial algorithm

Indexed keywords

Engineering controlled terms: Algorithms; Optimization; Parallel processing systems; Polynomials; Problem solving; Scheduling

Engineering uncontrolled terms: Flow shop problem; Open shop problem

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