

Heuristic Solving a Bicriteria Parallel-Machine Scheduling Problem.

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Abstract:

In the paper we investigate the inject press optimization problem with parallel matrices on the machine. A production order must be realized in a whole assortment and it is requested to minimize the production time and the number of matrix exchanges. The problem can be formulated as a parallel-machine scheduling problem with two criteria: to minimize the makespan and to minimize the number of job preemption. A simple heuristic algorithm for solving this NP-hard problem is proposed.

Keywords:

AMS Subject Classification: