

A Combined Meta-Heuristic with Hyper-Heuristic Approach to Single Machine Production Scheduling Problem

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Abstract : This paper is concerned with minimization of mean tardiness and flow time in a real single machine production scheduling problem. Two variants of genetic algorithm as meta-heuristic are combined with hyper-heuristic approach are proposed to solve this problem. These methods are used to solve instances generated with real world data from a company. Encouraging results are reported.

Keywords : hyper-heuristics, evolutionary algorithms, production scheduling, meta-heuristic

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