

A Novel Algorithm for Production Scheduling

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Abstract : Optimization in manufacture is a method to use limited resources to obtain the best performance and reduce waste. In this paper a new algorithm based on eurygaster life is introduced to obtain a plane in which task order and completion time of resources are defined. Evaluation results show our approach has less make span when the resources are allocated with some products in comparison to genetic algorithm.

Keywords : evolutionary computation, genetic algorithm, particle swarm optimization, NP-Hard problems, production scheduling

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