

Ordinal Optimization Based Metaheuristic Algorithm for Optimal Inventory Policy of Assemble-to-Order Systems

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Highlights

- Assemble-to-order system operating with continuous-review base-stock policy.
- Formulate the assemble-to-order system as a stochastic simulation optimization problem.
- Ordinal optimization based metaheuristic algorithm with three modules, meta-modeling, exploration and exploitation
- A meta-model based on the extreme learning machine.
- Large ATO system with 12 items on 8 products and moderately sized ATO system with 8 items on 5 products.

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