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Single-machine Scheduling with Learning Effect and Resource-dependent Processing Times in the Serial-batching Production

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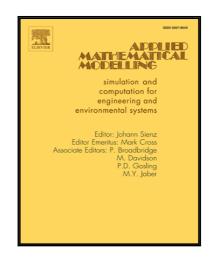
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Highlights

- Under the given resource allocation, the structural properties on job batching policies and batching sequencing are proposed.
- An optimal batching policy is derived for the special case.
- An effective hybrid GSA-TS algorithm is developed to solve the studied problem.



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