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Imperfect Preventive Maintenance Optimization for Flexible Flowshop Manufacturing Cells Considering Sequence-dependent Group Scheduling

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Highlights

- Proposing a modified machine's reliability model under group-varying conditions
- Proposing a cost-based model for integrating sequence-dependent GS and imperfect PM
- Providing a simulated annealing embedded genetic algorithm to solve the problem
- Our PM policy saves cost when compared with three other PM policies
- The proposed approach outperforms genetic algorithm and simulated annealing

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