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Multi-objective particle swarm optimization algorithm based on objective space division for the unequal-area facility layout problem

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Highlights

- A model of the unequal-area facility layout problem is described.
- A modified multi-objective particle swarm optimization algorithm is proposed.
- We apply the heuristic strategy to update layout.
- The gradient method is applied to execute local search.
- The objective space division method is used to find the Pbest and Gbest.

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