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Hybrid Genetic Algorithm for the Open Capacitated Arc Routing Problem

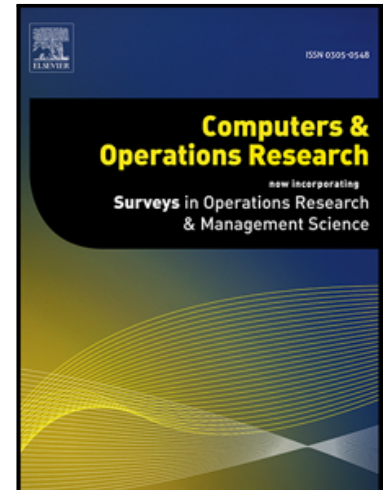
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Highlights

- A hybrid genetic algorithm is proposed for the open capacitated arc routing problem.
- Solutions are encoded as permutations of required arcs, ignoring vehicle capacity.
- Chromosomes are decoded into viable solutions by an optimal feasibility method.
- The genetic algorithm outperforms state-of-the-art methods w.r.t. optimality gaps.
- Experiments show the feasibility method had a substantial role on performance.

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