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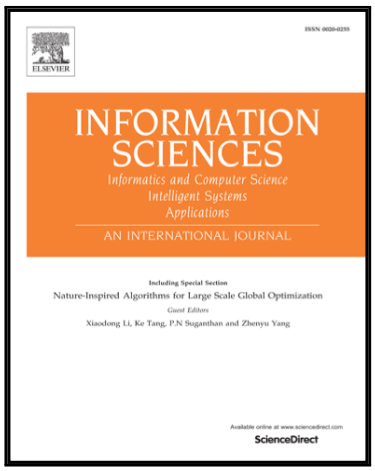

Adaptive feasible and infeasible tabu search for weighted vertex coloring

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Highlights

- We propose the first mixed feasible and infeasible search algorithm for weighted vertex coloring.
- Computational results on 161 benchmark instances show the interest of the proposed algorithm.
- We show improved new upper bounds which are valuable references for future algorithm assessment.
- We investigate the influence of the key algorithmic components including the mixed searching strategy and the perturbation strategy.

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