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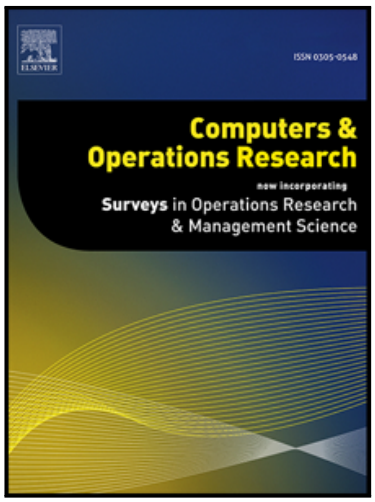

An Exact Algorithm for the Partition Coloring Problem

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Highlights

- A generalization of the Vertex Coloring Problem where the vertex set is partitioned.
- A vertex for each subset of the partition has to be colored.
- A new Integer Linear Programming formulation with an exponential number of variables.
- A Branch-and-Price algorithm initialized via a metaheuristic algorithm.
- Computational experiments.

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