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A branch-and-cut algorithm for the Time Window Assignment Vehicle Routing Problem

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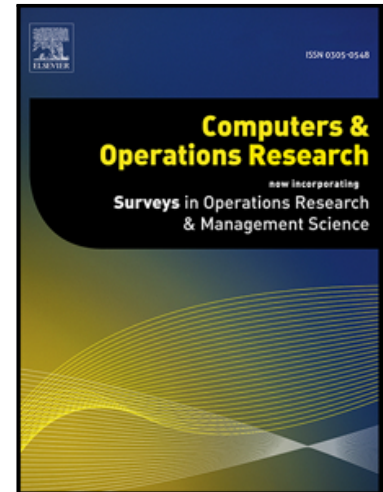
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Highlights

- A branch-and-cut algorithm for the TWAVRP is presented.
- Novel valid inequalities, the precedence inequalities, are introduced.
- It is shown that separating precedence inequalities speeds up the algorithm.
- Experiments show the algorithm is a factor 193.9 faster than the state of the art.

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