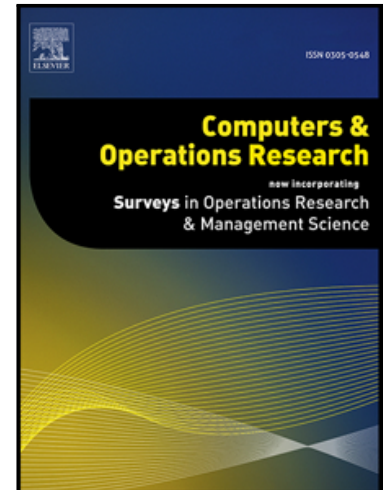


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Minimizing the fuel consumption and the risk in maritime transportation: a bi-objective weather routing approach

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Highlights

- A time-dependent algorithm is presented for the ship weather routing problem.
- Given a maximum travel duration constraint, fuel consumption and risk are minimized.
- Improvements of the approach are proposed for faster execution but similar solutions.
- Techniques are also presented that improve the practicality of the derived solutions.

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