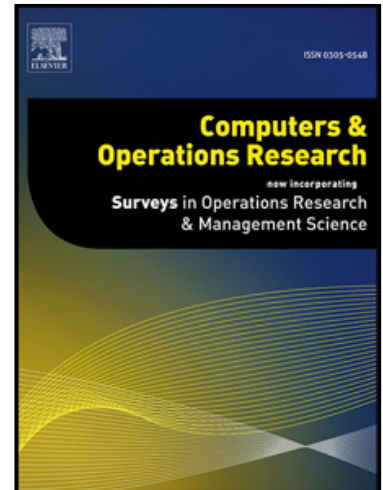


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Distributionally robust single machine scheduling with the total tardiness criterion

Shengsheng Niu, Shiji Song, Jian-Ya Ding, Yuli Zhang,
Raymond Chiong

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Highlights

- Distributionally robust optimization model (DRO) is adopted to minimize the total tardiness criterion for machine scheduling.
- An explicit expression is derived as an upper bound approximation for the robust objective.
- Branch-and-bound and beam search algorithms are proposed to solve the problem.
- Experimental results confirm the efficacy of the proposed algorithms.
- Simulation experiments verify the effectiveness of the proposed DRO model.

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