The job shop scheduling problem with convex costs

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PII: S0377-2217(18)30048-1
DOI: 10.1016/j.ejor.2018.01.027
Reference: EOR 14928

To appear in: *European Journal of Operational Research*

Received date: 3 July 2017
Revised date: 8 January 2018
Accepted date: 11 January 2018

Please cite this article as: Reinhard Bürgy, Kerem Bülbül, The job shop scheduling problem with convex costs, *European Journal of Operational Research* (2018), doi: 10.1016/j.ejor.2018.01.027

Highlights

- The model subsumes frequently studied problems with regular & non-regular objectives.
- The model also allows for new processing characteristics and a convex objective.
- The timing problem is re-formulated and solved efficiently by an existing algorithm.
- The optimal timing solution is leveraged for neighborhood definition in local search.
- The computational efficacy is demonstrated on two different problems.