

Bibliography

- [1] C. Akkan, A. Drexl, and A. Kimms. Network decomposition based benchmark results for the discrete time-cost tradeoff problem. *European Journal of Operational Research*, 165:339–358, 2005.
- [2] K. Anagnostopoulos and L. Kotsikas. Experimental evaluation of simulated annealing algorithms for the timecost trade-off problem. *Applied Mathematics and Computation*, 217(1):260–270, 2010.
- [3] T. Bäck, D. Fogel, and Z. Michalewicz, editors. *Handbook of evolutionary computation*. Oxford University Press, 1997.
- [4] V. Deineko and G. Woeginger. Hardness of approximation of the discrete time-cost tradeoff problem. *Operations Research Letters*, 29:207–210, 2001.
- [5] E. Demeulemeester, B. Reyck, B. Foubert, W. Herroelen, and M. Vanhoucke. New computational results on the discrete time/cost trade-off problem in project networks. *Operations Research Letters*, 49:1153–1163, 1998.
- [6] E. Dunne, J. Ghosh, and C. Wells. Complexity of the discrete timecost tradeoff problem for project networks. *Operations Research*, 45:302306, 1997.
- [7] E. Fallah-Mehdipour, O. Bozorg, M. Rezapour, and M. Mario. Extraction of decision alternatives in construction management projects: application and adaptation of NSGA-II and MOPSO. *Expert Systems with Applications*, 39(3):2794–2803, 2012.
- [8] M. Garey and D. Johnson. *Computers and intractability*. Freeman, 1979.
- [9] B. Hafizoglu and M. Azizoglu. Linear programming based approaches for the discrete time/cost trade-off problem in project networks. *Journal of the Operational Research Society*, 61(4):676–685, 2010.
- [10] O. Hazir, M. Haouari, and E. Erel. Discrete time/cost trade-off problem: A decomposition-based solution algorithm for the budget version. *Computers and Operations Research*, 37(4):649–655, 2010.
- [11] J. Nicholas and H. Steyn. *Project Management for Engineering, Business, and Technology*. Routledge, 2011.
- [12] M. Wall. GALib: A C++ library of genetic algorithm components. *Mechanical Engineering Department, Massachusetts Institute of Technology*, 1996.
- [13] J. Zhang and H. Shan. Multi-resource constrained discrete time/cost trade-off problem and its improved genetic algorithm. In *International Conference on Management Science and Engineering*, pages 123–128, 2010.

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