

Fixed interval scheduling problem with no idle time with an application to music arrangement problem

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Abstract

With the emergence of quantum computers, a new field of algorithmic for optimization tasks is flourishing. An alternative model of computation is adiabatic quantum computing (AQC), and a heuristic algorithm known as quantum annealing running in the framework of AQC is a promising method for solving optimization problems. With this in mind, we proposed a multiobjective optimization for a fixed interval scheduling problem with application for music reduction.