

Peer Review

# Review of: "An Approximated QUBO Formulation for Solving Practical SAT Problems"

Hongzong Li<sup>1</sup>

1. Computer Science, City University of Hong Kong, Hong Kong

This paper introduces a straightforward formalization method to convert SAT instances into QUBO instances. The approach is both interesting and meaningful, and the experimental analysis is thorough. Below are my suggestions, which may help improve the quality of the paper.

1. A clearer and more detailed introduction to the SAT problem is recommended.
2. A flowchart that illustrates the proposed method is suggested to be given.
3. It is recommended to add some references for existing methods for QUBO, e.g., A Collaborative Neurodynamic Algorithm for Quadratic Unconstrained Binary Optimization.
4. The code of the method is suggested to be shared.

## Declarations

**Potential competing interests:** No potential competing interests to declare.