

Review of: "Solving Pallet loading Problem with Real-World Constraints"

Arsalan Rahmani¹

1 University of Kurdistan

Potential competing interests: No potential competing interests to declare.

The studied problem is very practical, and its value for real problems is undeniable. In this paper, the authors have proposed a applicale method for solving the problem, that is based on the branch-and-bound method, which in turn is efficient and effective. Despite the positive points, the article has significant shortcomings, which are listed below:

- 1. A mathematical optimization model with an objective function and known constraints is not provided. To calculate the remaining volume and determine the potential locations, the authors examined a large part of the mathematical modeling, but did not present it. Taking inspiration from Book " Mixed Integer Programming:
- Models and Methods" (https://www.researchgate.net/publication/332859832), they can propose a mathematical optimization model for the problem under study (Chapter 2, Example 2.8). By proposing this, the implementation of the algorithm becomes much clearer.
- 2. No case study considered or no examples have been created. In order to better understand the problem and the proposed method, it should be applied at least in one case study or generated example to better recognize the effectiveness of the method.
- 3. Lack of comparison of the proposed method with other methods available in the literature: It is better that the authors compare the proposed method with at least one heuristic method and another exact method. And results such as the amount of space used and transferred volume and the solution time of the method execution should be reported to show the effectiveness of the algorithm.

The article does not have any serious problems with spelling and English, except that the sections and subsections, pseudocode and also the example, should be numbered.

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