

Errata for Improved Absolute Approximation Ratios for Two-Dimensional Packing Problems

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To our great discomfort a mistake occurred in our publication. The purpose of this document is to state the mistake and point you to the correct statement. We claimed that there exists a polynomial time approximation scheme (\mathcal{PTAS}) for strip packing where rotations by 90 degrees are permitted. This is not true unless $P = NP$. In contrast, Jansen & Solis-Oba showed in [1] that there exists no approximation algorithm for this problem with approximation ratio smaller than $3/2$ unless $P = NP$.

References

1. K. Jansen and R. Solis-Oba. Rectangle packing with one-dimensional resource augmentation. *Discrete Optimization*, 6(3):310–323, 2009.