

Minor revisions request for manuscript NUMA-D-17-00638

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I am grateful to the reviewers for their comments on the revised version of this manuscript.

Comments by Reviewer #1

I corrected the typo indicated by the reviewer whom I thank for their precise indications. The main comment I wish to answer is the last one:

The complexity $O(P^2 \log P + \dots)$ is wrong. The complexity is proportional to the bandwidth.

I don't understand why the formula is wrong, however, I acknowledge that I did not provide details on how I obtained this formula. The complexity indicated in the reference is

$$O(|I_N| \log |I_N| + \dots),$$

where, as far as I understand, $|I_N|$ stands for an upper bound of the largest frequency appearing in the transform. Here, the largest frequency is $\rho_P \approx \pi P = O(P)$. This term is thus negligible compared to the remaining terms in the complexity. I included those details in the revised version of the manuscript and hope that the matter is now clearer.

Comments by Reviewer #2

I wish to thank the second reviewer for his encouraging comments on my manuscript. I incorporated his suggestions to the revised versions.