

We sincerely thank the four reviewers for their valuable feedback.

**R1:** We thank the reviewer for valuable comments. Our point-to-point response is as follows:

**Notations:** We will

**R2:** We thank the reviewer for valuable comments. A proofreading is being done we clarify that:

**Discussion on the bounds:**

**R3:** We thank the reviewer for the thorough analysis. Our remarks are listed below:

**R5:** We thank the reviewer for valuable comments and typos. Our response is as follows:

**R6:** We thank the reviewer for valuable comments. We clarify the following points: