Quantum Error Correction (EE7001)

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***Abstract*—This is the abstract section.**

I. Introduction

This is [1] the introduction.

II. Paper I - QEC for Beginners

This section deals with the theory presented in the first paper [2].

III. Paper II - Entanglement Purification and QEC

This section deals with the theory presented in the first paper [3].

IV. Implementation and Experimental Results

This section deals with the implementation and experimental results.

V. Conclusion

This is the conclusion.

References

[1] J. Doe and J. Smith, "Sample article title," *Journal of Sample Research*, vol. 10, no. 2, pp. 100–110, 2023.

[2] S. J. Devitt, W. J. Munro, and K. Nemoto, "Quantum error correction for beginners," *Reports on Progress in Physics*, vol. 76, no. 7, p. 076001, jun 2013. [Online]. Available: https://doi.org/10.1088/0034-4885/76/7/076001

[3] W. Dür and H. J. Briegel, "Entanglement purification and quantum error correction," *Reports on Progress in Physics*, vol. 70, no. 8, p. 1381–1424, Jul. 2007. [Online]. Available: http://dx.doi.org/10.1088/0034-4885/70/8/R03