A novel approach to secure audio transmission using Steganography and Quantum Key Distribution protocol.

Research Article

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Abstract

Keywords

1 Introduction

The most simplest, as well as the most important, form of exchange for human beings is verbal communications. The invention of the Telephone by Alexander Graham Bell in 1876 transformed the verbal communication demography - making the transmission of human voice, which are essentially audio signals, over long distances possible. In the subsequent centuries, technological improvements has broadened the scope of audio transmission. With the rise of the Internet, the amount of information exchanged through audio signals increased rapidly. This increase number audio transmission resulted in the development of different encryption techniques and cryptographic algorithms. However, with the advent of Quantum Computers, these classical cryptography and encryption schemes face an imposing threat [1].

2 Related Works

3 Methodology

4 Experiments and Results

5 Findings and Discussion

6 Conclusion and Future Work

References

[1] Daniel J Bernstein and Tanja Lange. Post-quantum cryptography. Nature, 549(7671):188–194, 2017.

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