

Outline

- I. Introduction
- II. Modelling of the CV-QKD protocol
 - A. CV-QKD protocol
 - B. Typical reconciliation scheme in CV-QKD
 - C. LDPC code
 - D. The relationship between FEC codes and segment vectors \tilde{u}_i after mapping
- III. System descriptions and comparisons
 - A. System A: the ideal syndrome-based LDPC-coded scheme
 - B. System B: the practical syndrome-based LDPC-coded scheme
 - C. System C: the proposed bit-difference vector-based LDPC-coded scheme
 - D. System D: the propose practically generic scheme
 - E. System comparison
- IV. Secret key rate analysis
- V. Performance analysis
- VI. Conclusion