Abstract

NTRU is a public key cryptosystem based on polynomial ring over \( \mathbb{Z} \). Replacing \( \mathbb{Z} \) with the ring of polynomial in one variable \( \alpha \) over a rational field. In this paper the complexity of BTRU cryptosystem is faster than NTRU cryptosystem.

References

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Index Terms

Computer Science  Information Sciences

Keywords

NTRU, Rational Field, Encryption, Decryption