Abstract

NTRU is a public key cryptosystem based on polynomial ring over Z. Replacing Z with the ring of polynomial in one variable α over a rational field. In this paper the complexity of BTRU cryptosystem is faster than NTRU cryptosystem.

References

5. J. Hoffstein, J. Pipher, J. H. Silverman, An Introduction to Mathematical Cryptography,

**Index Terms**

Computer Science

Information Sciences

**Keywords**

NTRU, Rational Field, Encryption, Decryption