Abstract

Today a wireless network has minimum power consume and less security access. Based on these the suitable way of providing a security system for wireless application is to select the Elliptic Curve Cryptography. But this public key cryptography has required more number of clock cycles to compute its point operations. One of the point operations called point multiplication requires a lot of clock cycles to compute result. This proposed technique reduces the number of clock cycles of point multiplication for parallel processing by reducing number of dependent and independent operations.

References

Index Terms

Computer Science

Security

Keywords

Public Key Cryptography  Elliptic Curve Cryptography  Point Multiplication  Clock Cycles  Parallel Processing