Abstract

“Music words can be used as a communication language.” Musical symbols and musical notes have been used as codes and ciphers from early days. Encrypting messages using music is known as Musical cryptography and it uses predefined set of notes and set of rules for creating musical pieces which in turn are musical cryptograms. Traditional algorithms which are applied to musical cryptography used simple substitution cipher which produced good
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musical sequences. To overcome this problem of fuzzy logic based algorithm for musical cryptography is proposed in this paper. The paper proposes a symmetric key substitution cipher which uses one of the n candidate notes to encrypt a particular character. The application of fuzzy logic in music cryptography produces a acceptable musical sequences which are hard to be finding as cipher

References

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Index Terms

Computer Science
Fuzzy Systems

Keywords
Musical Cryptography  Musical Words  Algorithmic Composition  Fuzzy Logic
Encryption And Decryption Techniques.