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A Noval Security Model for Indic Scripts- A Case

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KEYWORDS

Cipher, frequency distribution, syllable, crypto analysis

ABSTRACT

Secured communication across the world in the information domain is a challenge when many languages, several alphabets and various signs (glyphs) are used. In the form of symbolic (text) representation is the basis for the present cryptographic Process the two main parameters used are the algorithm and the key. In cryptographic systems divide the text into words and each word into characters. For each character, the corresponding character is treated as basic unit. The cryptographic system encrypts the bit stream and this bit stream is transformed into characters. The transformation of characters is the basis for the security. The emphasis is to retrieve the characters back from the transformed text. The frequency distribution of characters in the original text is reflected upon the transformed text. The complexity that is involved in the form of frequency distribution is the basis for the security.

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parameter that is addressed .But if the underlying language is highly difficult to determine a particular message . In fact the structure and language is an extremely important factor when trying to assess an success. The unit of information in a given process can be represent which may correspond to a language. In case of Indic scripts the bas to a character. The concept of syllable, which is the representative of their associative combinatorial units is the basis for the formation of 1 inherently embedded with the pre defined rules which will be of a ma cryptographic systems. The commonality among all Indic scripts is as at the same time the differences are found with the combinatorial sys character codes of varying size where the complexity is in terms of n understandable characteristics are different. The frequency distribut the language differs from one language to other. The transformation treated as a basis for any crypto analysis. The frequency distribution plays an important role in this process. This paper proposes a noval . Indic scripts in terms of script complexity as a parameter, with a case

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