Abstract

The image encryption methods have become very important in the today’s scenario because images are widely used for various purposes and transmission of digital image over network has increased drastically. Handling of images demand more security as they contain confidential information in it and the concept of encryption has been used for years. Here we proposing a new enhancement to the algorithm of image encryption proposed earlier where the image slicing is perform followed by shuffling up those slices. In this research compilation, we derive the point or coordinate from the key value on basis of which we bifurcate the image into 4 parts and the Inter-pixel displacement of RGB attributes are applied to each of this part. Similarly this process is continued with a new point coordinates till the predefined number of iterations are done whose count is again a value derived from the encryption key.

References

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**Index Terms**

Computer Science  
Security

**Keywords**

Image Encryption  RGB  Shifting  Slicing  Shuffling  Permutation  Random Point