

A Novel Image Encryption Approach Using Matrix Reordering

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A Novel Image Encryption Approach

A Novel Image Encryption Approach Based on a Hyperchaotic ...

a hot topic in the community of information security Image encryption is a direct way to ensure image security This paper presents a novel approach that uses a hyperchaotic system, Pixel-level Filtering with kernels of variable shapes and parameters, and DNA-level Diffusion, so ...

A Novel Image Encryption Approach for Cloud Computing ...

In this context, we propose a novel image encryption by introducing a new robust transform which is proposed for the first time in image encryption/decryption algorithms in order to ameliorate the security degree of data This approach can be as well convenient to investigate cloud-based applications

A Novel Image Encryption Approach using Matrix Reordering

A Novel Image Encryption Approach using Matrix Reordering TSIVAKUMAR 1, AND RVENKATESAN 2 1 Department of Information Technology, 2 Department of CSE PSG College of Technology Coimbatore, Tamilnadu - 641 004 INDIA 1msg2sk@hotmailcom 2ramanvenkatesan@yahoocom Abstract: - Transmission and storage of multimedia data like audio, video, and images over the ...

A Novel Image Encryption Approach using an Index based ...

International Journal of Computer Applications (0975 - 8887) Volume 47- No23, June 2012 1 A Novel Image Encryption Approach using an Index based Chaos and DNA Encoding and its Performance

A Novel Approach of Digital Video Encryption

approach [18], instead of mapping the 8x8 block to 1x64 vector in Zig-Zag order, it maps the individual 8x8 block to a 1x64 vector by using a random

permutation list (secret key) Basically, there are two methods for encryption of an image as well as video One approach is Full Encryption Approaches

A Novel Image Encryption Supported by Compression Using ...

A Novel Image Encryption Supported by Compression Using Multilevel Wavelet Transform Ch Samson¹ Dept of Information Technology, SNIST, Hyderabad, India, V U K Sastry² Dept of Computer Science & Engineering, SNIST, Hyderabad, India, Abstract— In this paper we propose a ...

An Image Encryption Approach Using a Shuffling Optical ...

A Novel Bit-level Image Encryption Method Based on Chaotic Map and Dynamic Grouping Zhang Guo-Ji and Shen Yan- No 5 An Image Encryption Approach Using a Shuffling Map 879 the parameters to be same as that used in encryption scheme except $x_0 = 0.300000000000001$ Figure 3(d) is

A NOVEL METHOD OF IMAGE ENCRYPTION USING LOGISTIC ...

also be used for encryption purpose Technique of image encryption should be strong enough so that the encrypted image could contain good properties that may undergo most of the testing criteria In our work we encrypt the image using logistic mapping along with transformation, transformation is ...

AN IMAGE ENCRYPTION APPROACH USING STREAM CIPHERS ...

In this work a novel image encryption scheme using stream cipher algorithm based on nonlinear filter generator is considered In this work a novel image encryption scheme is proposed based on stream cipher algorithm using pseudorandom generator with filtering function This algorithm makes it possible to cipher and decipher images by guaranteeing

7 IMAGE ENCRYPTION APPROACH FOR SECURITY ISSUES

paper Based on the proposed encryption technique, a matching algorithm is also designed The rest of the paper is organized as follows In section 2 a brief literature survey on different image encryption algorithms is presented In section 3 we present the proposed model for the data encryption based approach for security systems

A NOVEL SURVEY ON IMAGE ENCRYPTION

A NOVEL SURVEY ON IMAGE ENCRYPTION Vaishali D Kamble¹, process, the selective encryption approach is applied on DC Robust image encryption based on balanced cellular automation and pixel separation In this paper, a new technique is proposed for digital image

Novel Image Encryption Algorithm Based on Chaotic Map and ...

In this paper we have designed a new image encryption algorithm, which includes a novel chaotic map and coding scheme In the suggested approach, the coding algorithm is based on Gray code Each pixel in the encrypted image is generated by applying XOR operation to ...

Author's Accepted Manuscript

1 A novel image encryption scheme based on substitution-permutation network and chaos Akram Belazi a, Ahmed A Abd El-Latif b, Safya Belghith a a National Engineering School of Tunis, Tunisia b

A Novel Image Encryption Approach Using Matrix Reordering

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A novel chaos-based image encryption using DNA sequence ...

A novel chaos-based image encryption using DNA sequence nificant advantages of this approach are improving the information entropy which is the most important fea-

8 1446 Mohammad ali Mokhtari AN IMAGE ENCRYPTION ...

AN IMAGE ENCRYPTION APPROACH USING CHAOS AND STREAM CIPHER 1ALIREZA JOLFAEI, 2ABDOLRASOUL MIRGHADRI 1, 2 Faculty and Research Center of Communication and Information Technology, IHU, Tehran, Iran ABSTRACT In this paper, a novel image encryption scheme is proposed based on combination of pixel shuffling and W7

Faster Image Encryption: A Semi-Tensor Product Approach

Faster Image Encryption: A Semi-Tensor Product Approach Shiping Ye, Jinming Wang*, Zhenyu Xu and Chaoxiang Chen Zhejiang Shuren University, 310015 Hangzhou, China ABSTRACT Due to the large-scale of the images, they suffer from a long time to finish the process of encryption and decryption In this paper, we propose a novel

ENCRYPTION -DECRYPTION RGB COLOR IMAGE SING MATRIX ...

An enhanced technique of color image encryption based on random matrix key encoding is proposed To encrypt the color image a separation into Red Green and Blue (R, G, B) channels will applied Each channel is encrypted using a technique called double random matrix key encoding then three new coding image matrices are constructed

An adaptive approach for image encryption and secure ...

city aware image encryption Finally, energy effi-ciency is the paramount issue to deal within WSN In the third step, we take rate oriented adaptive encryption approaches to optimize the energy effi-ciency in WSN The rest of paper is organized as follows: In Section 2, a novel component based selec-tive encryption approach is proposed In

Triple chaotic image scrambling on RGB - a random image ...

versible data hiding and image encryption in bit-planes were considered by Xinpeng [15] Dong proposed a novel encryption employing SHA-3, permutation, combination, and one-time keys with 6D chaotic systems to provide bet-ter secure communication through large key space [16] A novel image encryption on RGB involving chaos has been studied [17]