

A Novel Image Encryption Approach Using Matrix Reordering

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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@yahoomcom

Abstract: - Transmission and storage of multimedia data like audio, video, and images over the ...

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 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 Approach for Image Encryption based on Parametric ...

A Novel Approach for Image Encryption based on Parametric Mixing Chaotic System Gururaj Hanchinamani Computer Science Department BVB College of Engineering and Technology, Hubli-580031 India Lingaganouda Kulakarni Computer Science Department BVB College of Engineering and Technology, Hubli-580031 India ABSTRACT

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

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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 ...

A Novel Image Encryption Technique for Lightweight ...

A Novel Image Encryption Technique for Lightweight Cryptographic Implementation Neha Patel MTech, Department of Computer Science & Engineering, Disha Institute of Technology Manoj Singh Assistant Professor, Department of Computer Science & Engineering, Disha Institute of Technology ABSTRACT: Cryptography is the art of achieving security by

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 ...

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

RESEARCH ARTICLE Image Encryption Technique Based on ...

for encryption and decryption Consequently, the proposed approach provides an excellent security against the brute force attack as well as extreme key sensitivity and chaotic behavior 33 A Novel Digital Image Encryption Method Based on One-dimensional Random Scrambling (2012)

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

An Improvement on "A Novel and Fast Chaotic Cryptosystem ...

An Improvement on "A Novel and Fast Chaotic Cryptosystem for Image Encryption" approach is dividing the plain image into a plurality of a novel plaintext-related image encryp-

A New Image Encryption Approach using The Integration of A ...

23 A Novel Image Encryption Algorithm function of this approach are used to play the main role in building the shifted table, which will be used to

generate

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 ...

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

Efficient Image Encryption Approach Based on Chaos Technique

The permutation-substitution is applied for image encryption approach, then different chaotic maps is used to control each key Many statistical analysis methods such as entropy, differential, weak-keys, cipher random, and cipher sensibility are used to test the security of the encryption approach

A Novel Color Image Encryption Algorithm ...

novel image encryption algorithm using chaotic maps, permutation-diffusion architecture and cel-lular automata was introduced to improve secure diffusion mechanism and computational efficiency In [Belazi et al, 2016a], a novel image encryption approach was proposed The scheme consists of dif-fusion, substitution, diffusion and permutation In

Encryption And Decryption Techniques: A Review

Line map, for image encryption and decryption It converts image into an array of pixels and then converts it back from the array to a same sized image This paper presents a novel image encryption approach based on the Line maps, which can perform two processes permutation and substitution

NOVEL DESIGN OF SYMMETRIC PHOTONIC BANDGAP BASED ...

NOVEL DESIGN OF SYMMETRIC PHOTONIC BANDGAP BASED IMAGE ENCRYPTION SYSTEM N F F Areed and S S A Obayya* Department of Electronics and Communications Engineering, Faculty of Engineering, Mansoura University, Mansoura, Egypt Abstract|A novel approach for the design of image encryption system based on one stage of 3D photonic bandgap structure is