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Stego-Based-Crypto Algorithm for High Security Applications

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Because the rise of internet and data transmission via community media, the security of information is becoming an important issue specifically for the confidential data. In addition, Integer Wavelet Transform (IWT) technique is utilized to embed the encrypted message in the rate of recurrence coefficients of the sub-bands. it isn't enough sometimes to keep carefully the contents of message key, it might be also required to keep carefully the living of message key. which is founded on both cryptography and steganography methods. In this work, crypto-stego algorithm is proposed; Therefore cryptography and steganography could be combined to get this purpose. The proposed algorithm utilized Rivest- Shamir-Adleman (RSA) as a cryptographic algorithm to encrypt the trick message before hiding it to be able to raise the security of the system. Regrettably; Finally, the proposed techniques obtained great results through satisfying and enhancing the most crucial properties of steganography such as for example: imperceptibility, security, and capacity.

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