

Novel Cryptography Technique For Image Steganography Using Armstrong Numbers

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Abstract: *In real world data security places an important role where confidentiality, authentication, integrity, nonrepudiation are given importance. Cryptography and steganography are the two major techniques for secret communication. The contents of secret message are scrambled in cryptography where as in steganography the secret message is embedded into the cover medium. This paper presents a new generalised model by combining cryptography and steganography techniques. In cryptographic technique encryption and decryption process uses Armstrong numbers which is referred as a secret key. Actual data will be transmitted only after the validation of both the sender and receiver by the server. In steganography first component alteration technique is used to hide the encrypted message. By using these two techniques the security of secret data increases to two tier and high quality of stegoimage is obtained*