The Study of High Capacity Reversible Data Hiding Scheme

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ABSTRACT

Data hiding technique plays an important topic in the information techniques recently. It is widely applied to medical purpose, geo-military strategy, data security, digital fingerprint and image coding etc. The reversible data hiding scheme allows the cover image be recovered from the stego image completely after the secret message being extracted. Many improving schemes to attain to a high capacity data hiding technique with good image quality were proposed by the researchers recently. This thesis proposes a high capacity for reversible data hiding technique. The proposed method embeds the secret data into each cover pixel according to the pixel value. Experimental results show that the proposed method can not only have the high embedding capacity but also maintain good image quality.

Keywords : Data Hiding、Reversible、High capacity data hiding

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