

The Study of Reversible Data Hiding Based on Peano Scan and Difference Character

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ABSTRACT

Recently, it is quite noticed that “Data Hiding” which is used in the field of the internet security. It can make the words, images, voices, and videos be hidden into secret messages. Reversible data hiding has become popular widely in all, which also been researched by experts and been made of protections that are very important to the copy rights of multimedia technologies. In this thesis, the Peano Scan is applied to the reversible data hiding schemes including difference expansion (DE), histogram techniques, and Absolute Moment Block Truncation Coding (AMBTC). According to the simulation results, they could prove that to increase the contents of embedding highly and keep the good qualities of Stego-image.

Keywords : Absolute Moment Block Truncation Coding、difference expansion、Peano Scan

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