REVERSIBLE WATERMARKING BY FAST HISTOGRAM SHIFTING METHOD

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Abstract

The histogram method is a well known method for reversible watermarking. Here we have proposed a fast histogram method than Hong et al. This method shifts required pixel values next zero place. This shifts 'n' value pixel spaces for data hiding. In our method, as per watermark, the value of pixel either changes to zero bit pixel value or remains as it is. This makes a mechanism which is faster, for which small payload only needs to shift fewer pixels. Hence proposed method performs with less complexity as compared with Ni et al technique and Hong et al method.

Keywords : Reversible Watermarking, histogram shifting, embedding capacity, processing time, PSNR.

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