Improving CALIC Performance on Binary Images

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Abstract : Context–based Adaptive Lossless Image Codec (CALIC) is one of the most efficient lossless encoding techniques for continuous–tone images. However, its performance is considerably downgraded on images with fewer and widely separated grey levels. As a result of this, CALIC may provide lower compression rates in binary images. In this paper we provide an improved version of CALIC that gives better compression performance in binary images, without negatively affecting the performance on other type of images.