

A FAST MQ TABLE BASED MERGING ALGORITHM FOR IMAGE SEGMENTATION

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Abstract

This paper presents a simple scheme to segment an image in the compressed domain. Thus the burden of decompressing computation can be avoided. In addition, there is no need to transmit the segmentation result from encoder to decoder because the proposed method is based on the MQ table of JPEG2000, which is available at both encoder and decoder. Experimental results show that the running time can be reduced significantly and the boundary displacement error (BDE) measure can be improved

Keyword : Image segmentation, wavelet, ratedistortion