

Hybrid Image Compression Using DWT,DCT & LZW Encoding Techniques

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In general, digital images and videos need a large storage capacity. Image compression means less storage capacity. There are two types of compression lossless techniques and lossy techniques. Since the digital images and videos with a large size, we must build a system to reduce its size without compromising image quality / video dramatically. In this research we offer a combination of techniques for compressing images, we are presenting here DCT & DWT two of the type lossy techniques and we entered it to LZW type lossless techniques, we took a Cameraman and Lena pictures to apply the work on it. By applying DCT & DWT we will get a high compression ratio. The results of this proposed research performed better in terms of PSNR with higher compression ratio compared with.

Qawaqzeh, Mohammed Khalaf and Nassar, Mohammad, (2017), Hybrid Image Compression Using DWT,DCT & LZW Encoding Techniques, 2ndInternational Computer Sciences and Informatics Conference (ICSIC 2017).