

University of Baghdad

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Thesis Title	Image Compression Using Wavelet Transform		
Year	2002		
Abstract	<p>Today with modern communication technology, the transmission of images plays an important role in many application. Image data compression is concerned with the compression of image information to reduce the transmission bandwidth and transmission cost whilst preserving good image quality.</p> <p>In this work wavelet transform in lossy image compression was studied using three techniques where in which the bit reduction technique was implement for the cases with fixed or variable bit assignment, and coefficient discarding with fixed or variable thresholds. A third technique was also introduced, in which the previously mentioned two techniques are combined. Both subjective and objective test are used to evaluate the results of the implementation of each technique.</p> <p>The result show that good compression ratios can be obtained with the combined method and the recovered image still have good quality and relatively high peak signal to noise ratio.</p>		