

Methods to Measure the Quality of 2D Image Compression Techniques

Authors : Mohammed H. Rasheed, Hussein Nadhem Fadhel, Mohammed M. Siddeq

Abstract : In this paper we suggested image quality measuring metrics tools that can provide an accurate and close to the perceived quality sense of the tested images. Such tools give metrics that can be used to compare the performance of image compression algorithms. In this paper, two new metrics to measure the quality of decompressed images are proposed. The metric measurement based on combined data (CD) between an originals and decompressed images. Compared with other e.g., PSNR and RMSE, the proposed metrics gives values with the closest reflection of image quality perception by the human eye.

Keywords : RMSE, PSNR, image quality metrics, image compression

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