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DISCRETE COSINE TRANSFORM QUANTIZATION MATRICES FOR INDIVIDUAL IMAGES

DANIELA TĂRNICERIU, VALERIU MUNTEANU and FLORIN-SPIRIDON BELDIANU

Two ways to alter the standard quantization matrix used in Joint Picture Experts Group are proposed, according to the frequency content of images. This is done in order to improve the compression ratio without perceptually degradation of the reconstructed image or to improve the error metrics for the same or better compression ratio.