

OPTIMIZING THE COLOR SPACE CONVERSION FOR IMAGE COMPRESSION

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Abstract The performance of an image compression scheme depends on the color space being used. The luminance – chrominance color spaces are widely used, because they enable the speculation of the human eye color sensitivity. Some of the existing luminance – chrominance color spaces were developed for analog television, and others for digital applications. This paper presents a method for optimizing the color space transformation, for image compression.

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