

IMAGE COMPRESSION USING GENERALIZATION OF FOURIER SERIES AND FILTERING TECHNIQUE

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ABSTRACT

The Discrete Fourier Transform (DFT) improves image quality without affecting image quality and information. The Fourier transform approach for picture processing and compression is discussed in this paper. We analyzed the performance of an image compression implementation strategy based on the Fourier transform method. We are also monitoring the results of the picture alteration with quantization procedure. After performing the de-quantization approach, the quality of the reconstructed compressed image is also evaluated. Director filter is applied on the filter coefficients.

KEYWORDS: *Robotic Welding System, Sensors, Arc*