



IMPLEMENTATION OF PARALLEL ALGORITHMS FOR IMAGE ENHANCEMENT USING MATLAB

I. A. Ismail, Magdy Ahmed, Ahmed A. El-Shami and Shaimaa Ibrahim

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Abstract

This paper presents an efficient implementation of algorithms which are used for image enhancement process, which filter and restore images of big size easy and faster. Application with sequential algorithm can no longer work to improve the program performance. In the image enhancement technique, we need to work with large image data which takes a lot of time. Parallel computing is an efficient way to handle large size images and to reduce the processing time. This paper focuses on calculating the parallel execution time spend in parallel filtering program and compares it with corresponding sequential execution time, moreover we discuss the results of filtering under different filter types.

Keywords and phrases: image enhancements, parallel algorithm, fast Fourier transform.

