

Concurrent & Parallel Systems - Coursework 2 Report

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Abstract

This report will comprehensively examine the approaches to parallelising a sequential JPEG compressor, taken from user kornelski on Github. These approaches will range from CPU-based parallelism to GPU frameworks and architectures such as CUDA and OpenCL. The ideal result is an optimised JPEG compressor which runs significantly faster with the new approaches implemented.

- 1 Introduction and Background**
- 2 Initial Analysis**
- 3 Methodology**
- 4 Results and Discussion**
- 5 Conclusion**

References