



FACULTY
OF INFORMATICS

Masaryk University

PA171 project

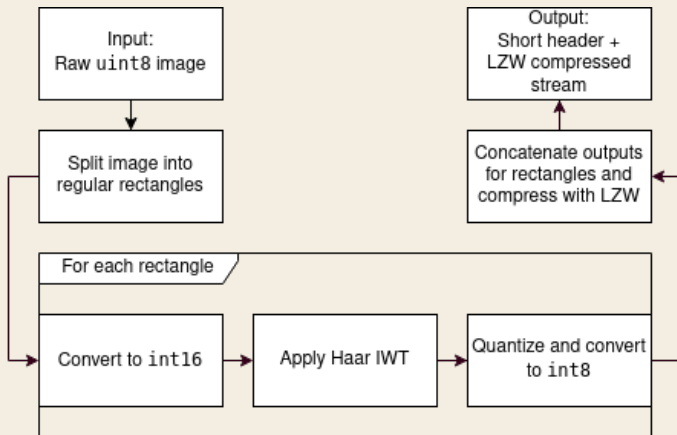
Lossy image compression

Michal Jankovič

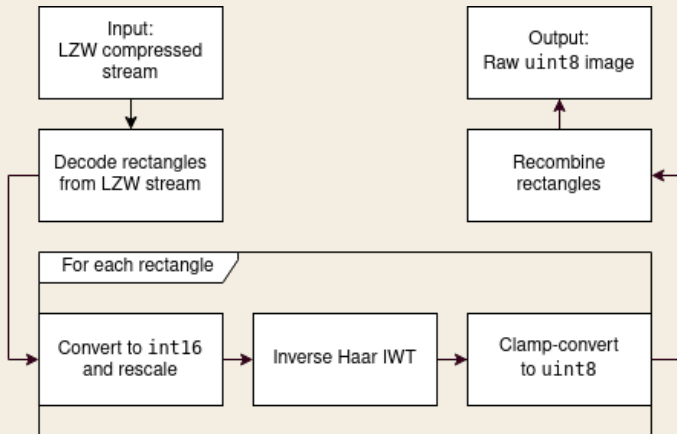
Presentation structure

- Method description
- Results

Compression scheme



Decompression scheme



Results



Figure: Compression level 0 - lossless (no transform / quantization).
Compression ratio: 38.29%, MSE: 0

Results



Figure: Compression level 8. Compression ratio: 32.30%, MSE: 21.95

Results



Figure: Compression level 16. Compression ratio: 23.87%, MSE: 33.02

Results



Figure: Compression level 32. Compression ratio: 17.59%, MSE: 39.68

Results



Figure: Compression level 64. Compression ratio: 12.40%, MSE: 45.01

Source code

Implementation in C++

<https://github.com/MiSo1289/PA171>