PA171 project

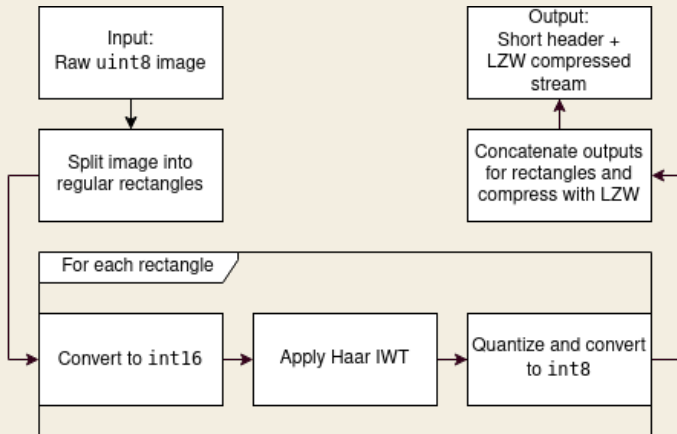## Lossy image compression
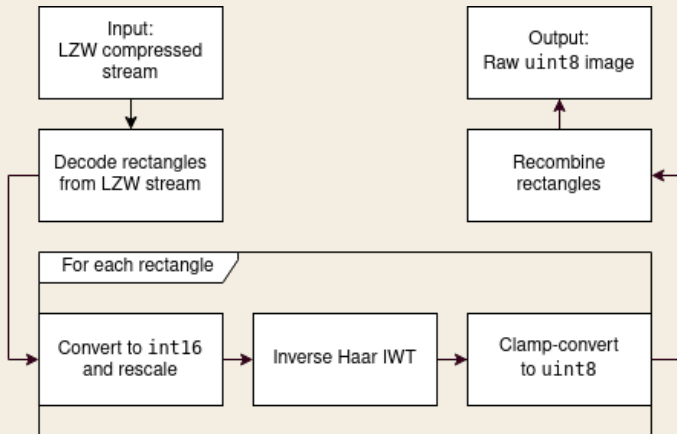
Michal Jankovič

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

Results

Figure: Compression level 8 absolute difference. Max: 28

Results

Figure: Compression level 16 absolute difference. Max: 52

Results

Figure: Compression level 32 absolute difference. Max: 97

Results

Figure: Compression level 64 absolute difference. Max: 188

Source code

Implementation in C++

https://github.com/MiSo1289/PA171