sievenna Testing

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January 14, 2018

sievenna's Huffman coding has been tested on the Large Text Compression Benchmark [2] as well as the Calgary corpus [1].

Image compression benchmark from imagecompression.info [3].

An uncompressed 8-bit RGB image called nightshot_iso_100.ppm was compressed from 22.128 MB to 17.843427 MB giving a size reduction of 19.36%.

The first 100 MB of the Large Text Compression Benchmark compressed down to 63.862 MB, giving a size reduction of 36.14%.

References

[1] Timothy Bell, Ian H Witten, and John G Cleary. Modeling for text compression. **ACM Computing Surveys (CSUR)**, 21(4):557–591, 1989.

[2] Matt Mahoney. Large text compression benchmark, 2011.

[3] Rawzor. The new test images. `http://imagecompression.info/test_images/`, 2008. Accessed 26.12.2017.