



Lossless Compression Framework

Ever got frustrated by the speed and compression ratio of common file compressors like zip, gzip, bzip2, 7z or rar?

We think that we can do better!

By novel pioneer work in the field of stringology, new approaches are likely to break through currently known limits in

- compression ratio,
- compression speed, and
- memory usage.

We would like to discover, analyze and evaluate with you new compression strategies based on the frontier of current scientific publications.

Our research team supports you with an already-existing framework for implementing compression algorithms. We have several classic and some brand-new experimental compression algorithms in stock. The framework supports testing and evaluation on a large datasets. A sophisticated documentation and existing skeleton-classes provide you a plug-and-play feeling for implementing new compression heuristics.

If you are interested in accelerating the development of state-of-the-art compression tools, you should have

- a strong interest in developing compression methods and encoding schemes,
- good knowledge of the programming language C++, especially with low-level techniques comprising bit-operators and pointers, and
- fun with strings and string-related data structures like suffix trees.