

LZP algorithm is one of algorithms designed for text compression. It is based on ideas published in paper "A Universal Algorithm for Sequential Data Compression" by Ziv and Lempel. The author of method LZP itself is Charles Bloom who proposed general scheme and his implementations. The aim of present work is continue progress of existing implementations of LZP algorithm and designing software for file compression. Some original ideas are proposed and included helping achieve efficient compression for various kind of data. LZPXj compressor is better for common files containing text, multimedia or executables. Part of this work is apart from description of improved algorithm also tests and comprehensions with some existing compression programs.