Annotation

The thesis is devoted to the analysis of data compaction methods in order to minimize the volume obtained during the transmission of information through communication channels. Sealing, as we understand it, is based on minimizing or eliminating the excess contained in the source information. The purpose of this work is to study the methods of data compaction, including the analysis of the principle of operation of the RPE - LTP codec and their comparison with other common methods in terms of operating time and data compaction coefficient, as well as efficiency.

Since RPE-LTP is a speech codec, we received voice data as the information transmitted in the thesis and the type of communication under consideration. The calculated data are also given, a general analysis of all compaction methods is carried out, and in theory it was possible to show in practice the characteristic of the codec type we are considering.