Annotation

In the thesis, the analysis of the noise immunity of transmission systems with the use of coding for DVT2 is considered, which allows us to determine a more effective method of noise-resistant coding.

The following Reed-Solomon codes are also given. To do this, the following tasks were solved: to study the influence of interference on the transmission of information in communication networks, to study modern noise-resistant codes, to conduct a comparative analysis of these codes using the Simulink software, which is included in the Matlab program. In the thesis, the costs of the feasibility study are calculated and the operating costs and total capital investments are calculated. The illumination and the biological sanitary zone of the antenna for the safety of life are considered.