

ABSTRACT

The bachelors work consists of:90p.,12 tables, 35fig., 2 add. and 25 references.

FORECASTING THE QUANTITY OF RUSSIAN CONTENT, GROUP METHOD OF DATA HANGLING, NEURAL NETWORKS, TELEVISION

The aim of the work is to determine the best model for forecasting the quantity of Russian content on Ukrainian television using historical data, as well as determining the list of data that should be used for this purpose.

In this work, we studied the application of the classical GMDH and various variants of a single- and multilayer perceptron in the problem under consideration with the prediction based on a background of different lengths. The factors that influenced the number of Russian content were highlighted. The formed sample, on the basis of which the forecast of the percentage of Russian content in the category for the next month according to data for previous periods was conducted.

In the course of the study, it was found that GMDH gives good results to the data studied. It is planned to develop work in the direction of studying the use of modifications GMGH in order to further reduce the prediction error in various tasks of television.