

Summary

In degree work theoretical and practical questions related to assessing the effects of non-sinusoidal voltage on the electrical equipment as the example of agribusiness enterprises.

Studies of the non-sinusoidal voltage as an indicator of the quality of electricity, that is, indicators that characterize this indicator and potential sources of higher harmonics in an electrical circuit have been described.

Also, the influence of non-sinusoidal voltage on electrical equipment was evaluated and examples were given on the organization of various measures to reduce it. Experimental studies were organized, that is, data were collected and processed through an electric power quality analyzer. There was also the development and implementation of this device in the Labview virtual environment, the development of a prototype of our device

Graduation project will consist 95 pages of a settlement-explanatory note, 21 tables, 45 figures and bibliographic sources.