

## SUMMARY

**The theme of the graduate work** - electromagnetic thickness gauge of paint coating on metal base.

**The aim of the graduate work** is to develop a device for measurement thickness of paint coating.

**Graduate work consists** of summary, content, introduction, two chapters, conclusions, list of references and applications.

Thickness testing methods are described in the first section. And there was chosen the way of testing and type of the sensor. It is dedicated to the analysis of the literature on the topic of work.

The second section is devoted to calculations of sensor and algorithm development of the device. It also presents the results of the experiment produced by eddy current transducer.

As a result, the graduate work have been resolved following tasks: implemented the literature review of the research topic, developed of an appropriate calculations, the research is made and a working model is produced.