

## **ABSTRACT**

**Radchuk V. M. The research of software protection from unlicensed use.**

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The thesis is dedicated to increasing safety enhancement software, namely reliability of protection against unauthorized access. After analyzing the existing methods of software protection and possible actions the attacker was a model of integrated system of software protection from unlicensed use by existing methods of synthesis necessary. To develop the model used the following methods: a method of combating debugging and disassembly, logical method obfuscation code and method for protecting the transmission of text information to the server. For normal interaction protection methods and software used method based on the number of threats. The main objective of this method using weight coefficients of various protection methods for activation of defense that during the operation of the software no problem. In order to prevent malicious code to the research method used is aimed at preventing an attacker debugging process. Also made software implementation of a comprehensive system protection and integrated it into the software for further research. The experimental research, the results of which proved efficiency models created by scanning the system with debugging and disassembler «IDA».

Keywords: software, protection system, disassemble, debugging, hacking code, obfuscation code, unauthorized access.