TITLE:
Language recognition based on the frequency analysis

SUMMARY:
The aim of this bachelor thesis is to use the basic cryptoanalytic aid – frequency analysis – for the recognition of the language of a text (or of a cryptogram). The first chapter is devoted to the history of cryptology. Chapter 2 focuses on frequency analysis, its principle is explained on a simple example. In the third part, there is the description of three programs for language recognition. Last chapter compares the results, which I gained through my programs, with the affinity of European languages as described in linguistics. One of the conclusions of my work is that the real affinity of languages is well approximated using the program analysis.

KEY WORDS:
frequency analysis, cryptology, European languages, recognition, relationships of languages