

# FORMAL MODEL OF REPRESENTATION OF SEMANTIC CHARACTERISTICS IN DICTIONARIES

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In recent decades, in the world, linguistic technology as a field of science is actively developing with the focus on the creation of various applications of natural language mechanisms in computer systems. In Ukrainian linguistics there is practically no industrial software for dictionaries creation with the help of computer, whereas for many world languages the main tools for processing of natural language texts, which use strong computer dictionaries, were created. Thus, there is need for creation of new dictionaries of various types on the basis of Ukrainian lexicon and corresponding lexicographical programs.

Formalization and modeling of language became the issues of particular importance for linguistics. One of aspects of modeling the linguistic phenomena is modeling of lexical semantics, in particular, the semantics of verbs. For the Ukrainian language the creation of semantic dictionary is a matter of topical interest. In order to automate the process of creating semantic dictionary of the Ukrainian language – its formal model should be developed first. The purpose of the article is to create the formal model of representation of semantic characteristics of verbs in dictionaries on the basis of the information theory of lexicographic systems.

It is in the dictionaries where the theoretical problems of linguistics, including the problem of describing the word meaning, find their solution, are implemented and the results of the theory are validated. It is expedient to present the semantic characteristics of verbs in dictionaries of an explanatory type, since the structure of entries of explanatory dictionaries implicitly contains the structure of most monolingual philological dictionaries.

In the article on the basis of the information theory of lexicographic systems of V. A. Shyrov the formal model of representation of semantic characteristics of verbs in dictionaries is built. The elementary lexicographic model is the representative formal model of representation of semantic characteristics of verbs. This model can be used, in particular, for semantic markup of verbs in a corpus of texts.

Keywords – modeling, formal model, semantic markup, information theory of lexicographical systems.