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LINGUISTIC AND PSYCHOLOGICAL PECULIARITIES OF SYNTAX ANALYSIS OF AMBIGUOUS-SENTENCES

Nowadays one of the main directions of computer linguistics is the creation of programs for automatic word processing in anatural language, which, according to experts, serves as the optimal form of dialogue between a person and a machine. However, the effectiveness of intelligent systems is reduced by the presence of ambiguous words, grammatical forms, and syntactic constructions in the processed texts.

We have done an experiment: using a system of automatic parsing sentences containing syntactic homonyms were analyzed. The same structures were suggested for analysis to students-philologists. The computer system and students were given the task to establish links between the components of the sentences and to depict these relationships graphically.

The results of the research have shown that at the present stage of development of computer technologies, automatic syntactic analysis of sentences with a direct word order is effective.

Errors committed by students in determining syntactic links between the components of the considered ambiguous sentences are explained by the laws of the initial perception of the text and indicate that in its first presentation syntactic homonymy is often invisible. Therefore, it is advisable to acquaint students of schools and universities with this negative linguistic phenomenon and teach them how to identify syntactic homonyms in speech.

Key words: dual-syntactic link, syntax erosion, homonymizing component, automatic syntax analysis, law of the initial text perception.