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AUTOMATIC RECOGNITION OF TERMS IN TEXTS IN NATURAL LANGUAGE

Monograph

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The automatic extraction of terms from subject matter texts is a task that has many applications. Automatically extracted terms can be used as classification features for categorizing documents, as semantic concepts for generating thesauri and ontologies, as basic concepts for media content analysis. Almost all automatic word processing tasks, such as annotation, indexing, classification, machine translation, knowledge extraction, etc., require terminology extraction. To solve this problem, a large number of effective methods have been developed that allow automating the extraction of terms from the texts of the subject area. This monograph is intended to characterize and systematize these methods in order to determine the prospects and problems of the development of natural language processing technologies. The significance of the identified problems is due to the phenomenon of the information explosion that modern society is experiencing. For researchers, specialists in the field of natural language processing, university teachers, doctoral students, undergraduates and students.