

LoTA, a system for the analytical processing of technical texts: main concepts and design decisions

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Abstract

A variety of textual technical documents are elaborated and used in the process of system design of the onboard algorithmic and information display support for complex anthropocentric objects. One of these documents is titled "The Logic of Operation of the Crew-Onboard Equipment-Object System". It is vitally important to carry out computer analysis of these texts in order to ascertain whether or not they contain enough information to specify the main algorithms of functioning of the objects. This paper discusses the architecture of, and the linguistic support for, the computer system named "Logic/Text-Analysis" (LoTA), which is designed to analyze the completeness of the information content of Russian textual technical documents. Copyright ©2007 by MAIK "Naitla/Interperiodica".
