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МАТЕМАТИКЕ

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Robotized IT of data processing and intelligent control over physical installations on the basis of relativistic quantum informatics

The developed structure of a self-organizing intelligent control systems allows one to include into its control loop a human factor on the basis of a hybrid cognitive control and to form the databases taking into account the contingencies of management. The methodology of the quantum relativistic informatics allows one, in general form on the basis of quantum programming, to develop an algorithmic software of the embedded intelligent controllers in distributed computing systems with a grid-infrastructure as well as to generate model representations of physical theories on the basis of information extracted from big unstructured data processing.

Examples of some applications of the developed approach on real physical objects are presented.