

## **Functioning of information educational environment: Meta dynamic approach**

Vlasova V., Kirilova G., Sabirova E.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

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### **Abstract**

© 2015 by the authors. The article substantiates the meta dynamic approach that determines ways for information educational environment analysis. The implementation of the said approach includes a versatile analysis of information with the application of offered meta dynamic methods and tools. Tools of meta dynamics allow to regard changes in the rate of the information process, to analyze structural modifications of the information environment. The change of the information process can be analyzed, for example, if the rate of new information emergence and the rate of its processing are taken into account. These and other similar measuring instruments are based on indicators of the second order. The modification of the information structure is analyzed on the basis of absolute and relative indexes of the moved and changeable information volume, and the dynamics of the environment structure. There the process of information restructuring is implied, including, for example, the emergence of new structural components, their association, removal, specification. In this context there has been given a theoretical justification for the set of meta dynamic tools of the second order application. There have been presented some results of their experimental approbation. The significance of the designated approach has a predictive value in the development of a vocational school and its information educational environment.

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### **Keywords**

Educational activity, Information environment, Information process, Information streams, Meta dynamics, Vocational school