

INFORMATION MODEL OF ADAPTIVE WEB-GALLERY

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This article aims at describing the architecture development of software suite for building Web-galleries with both adaptive and dynamic structure.

The Web-galleries functioning processes are the object.

Methods and means of developing Web-galleries with adaptive structure are the subject of the article.

Scientific novelty of the article consists in contriving the methodology of the adaptive formation of the Web-gallery structure method use in the software suite.

The development of the architecture of Web-gallery software suite that implements the dynamic structure of the content personally for each user is the practical value of the article.

The architecture and functionality of a standard Web-gallery are considered. The architecture of software suite for building adaptive Web-galleries is introduced. It is argued that it should be supplemented by the components determining user's interests, such as: the component processing fuzzy time parameters allowing to determine user's interests based on areas of interest, searches and viewing exhibits, expositions and themes; the component of building the gallery that takes into account user's interests that enabled to implement the mechanism of the content adaptation to the user's interests based on influence, coefficients of interest and disinterest; and the component of consolidation of the content allowing to implement an automated consolidation of data from XML-document of various syntactic structure. This approach to the organization of Web-galleries aids in providing high adaptation of their structures and the information content to individual interests of each user. Besides, it facilitates to improve the relevance of such content. The user's interests model of Web-gallery in the software suite is adequate, since the obtained results show a high level of the system adaptation to the user's interests.

Keywords – Web-gallery, user's interests, adaptation