Digital mathematical libraries: Overview of implementations and content management services

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Abstract

The paper gives a review of existing projects of implementation of digital mathematical libraries. An analysis of existing information systems of digital mathematical libraries is performed using the evaluation criteria embedded in the DELOS DLRM model, emphasis is placed to the methods of managing mathematical content on the basis of semantic technologies. All projects are in different degrees of completeness, the range of services provided is different. We found that most of digital mathematical libraries are concentrated on the transfer of the resources to the electronic form and their preservation, rather than on the development of semantic services.

Keywords

Digital mathematics library, Digital publishing, DML, Library automation, Machine-actionable digital library, WDML

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