

Abstract (in English):

The aim of presented master thesis is to suggest the optimization of articles processing in the Digital Library of the Academy of Sciences of the Czech Republic. The present state of journal articles processing is described and the weaknesses are evaluated. The journal articles processing optimization is suggested in two steps. The first step is to choose only one integrated library system for journal articles processing. The second step is using the system of shared cataloging and the proper use of three external resources. The main contribution of this thesis is the deep evaluation of the external journal articles records resources and the process of shared cataloging. Fifteen journals were proposed to the process of shared cataloging and record downloading but only five of them are suitable for this process.