

Abstract of the Article

"Developing an Integrated Model of the Inventory Management for Warehouse Space Optimization Project of the Trade-retailer Enterprise" by I.V. Zavsegdashnjaja

The problem of an effective inventory management in warehouses of the trade and retail businesses was considered through the implementation of the relevant projects. Application of the optimization economic and mathematical models allows to minimize losses and risks significantly already on the stage of the project planning.

As a result of the conducted study it was found that none of the existing models can fully meet the needs of managers in the aspect of optimal inventory control of products in the warehouses. This largely complicates the process of project management optimization of storage facilities, especially for the conditions of enterprises that implement diversified production in retail.

An example of testing an integrated economic and mathematical model of inventory management was developed on basis of which it will be possible to formulate a concept and also to plan work and resources in the project of optimization of the warehouse space of commercial and retail businesses. The model allows to group resources and to develop management strategies for a group of the most expensive goods. On the basis of this model it is recommended to develop a project concept of the optimization of the management of commercial enterprise storage space, and it is recommended to use the stages of a model's formation as a base plan of the project.