**Belarusian State University   
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**Annotation to thediploma work  
"Probabilistic inventory management model"**

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Diploma work contains:

- 47 pages

- 5 used source .

Keywords: STOCK, PROBABILISTIC MODELS, ECONOMICAL ORDER SIZE, OPTIMAL INVENTORY LEVELS, RANDOMIZED MODEL STOCHASTIC MODEL STAGE MODEL, A MULTI-STAGE MODEL.

The research paper explores several stochastic inventory control models are examples of the application of these models and the choice of optimal behavior strategies. The concept of the stock, it describes the different kinds and types of inventory management models.

The aim is to study and accurate description of the various stochastic inventory control models, as well as the selection of illustrative examples of finding optimal solutions to the problems considered.

The significance of the work lies in the need to determine the optimal time of the order and the order volume both at work and in everyday life.

Diploma work is theoretical and methodological in nature. Matched material can be used for reading a special course on the inventory control models.