STATISTICAL MODELING OF THE PROCESS OF SERVING THE LEAVING PASSENGERS AT THE INTERNATIONAL KURUMOTCH AIRPORT

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The task of optimizing the parameters of the system of serving leaving passengers at the check-in stage in the airport building has been solved by using the method of statistical modeling. Time characteristics of the check-in stage and the capacity of the check-in system which minimize time losses and provide the proper level of comfort for passengers have been determined. Detailed stochastic portraits of passenger service system functioning for the actual conditions of operation of the International Kurumotch airport (Samara) have been obtained.

Statistical modeling, optimization, mass service system, airport, air terminal, passenger check-in.

References

1. Romanenko, V. A. Analysis of passenger service processes at the international Kurumotch airport // SSAU Vestnik No. 3(11) – Samara, 2006. – pp. 35-43.

2. Gnedenko, B. V., Kovalenko I. N. Introduction to the mass service theory. – Moscow: Nauka, 1987.

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