

Modelling the railway container system

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SUMMARY

The paper presents the application of the mass servicing theory for the optimization of the container transportation system.

The application of this method makes it possible to evaluate the quality of the functioning of the container transportation system. It uncovers the type of waiting lines, makes possible a mathematical description of the vehicles waiting for servicing or delays of servicing equipment, and connection of the functioning of the system with the cost function.

The application of this modern method makes optimal use of the equipment and vehicles possible and ensures maximum efficiency while keeping the costs as low as possible.
