

**ANNOTATIONS**  
**of science works published in international magazine**  
**«River transport (XXI<sup>st</sup> century)» 2(78)'2016**

**About russian inland water transport's role in the system of international transport corridors/ Stolpovitskiy K., Chuplygin G. // River transport (XXI<sup>st</sup> century).2016. – № 2 (78) – p. 32-37.**

Describes main directions of development infrastructure of national inland water ways as an important part of international transport corridors. Analyses problems of limiting places, shipbuilding and creating public-private shipping companies.

**Key words:** international transport corridors, country, fleet.

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**The concept of development innovative and science-research activity in high school (principles of realization on the example of SGUWT) / Zayko T., Palagushkin B. // River transport (XXI<sup>st</sup> century).2016. – № 2 (78) – p. 38-40.**

Makes analysis of ways of development appropriated activities in high school on water transport.

**Key words:** innovations, science researches, branch education, priorities of development, water transport high school.

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**The analysis of activity of a navigator as an operator in the system «human–machine» / Shubnikov M. // River transport (XXI<sup>st</sup> century).2016. – № 2 (78) – p. 48-49.**

Describes the problem of interaction between navigator and ship's navigation system for the purpose to define effectiveness of his activity.

**Key words:** navigation, parameters of effectiveness, system «human–machine», operators' activity, radiolocation.

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**The method of monitoring deformation of locks' segmented gates (on the example of the channel named after Moscow) / Volkhonov V., Shklyarova E.// River transport (XXI<sup>st</sup> century).2016. – № 2 (78) – p. 50-51.**

Offers simple, demonstrative (while measuring) and trusty method of monitoring deformations of bottom beams of locks' segmented gates.

**Key words:** locks' gates (flatdrop and segmented), beams, covering, stands, strings, deformation, control.

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**The analysis of principles of estimation of productivity on inland water transport / Potapova E.V.// River transport (XXI<sup>st</sup> century).2016. – № 2 (78) – p. 51-55.**

Makes analysis of features of accounting of productivity on inland water transport in USSR and Russian Federation. Describes the problems of calculation this parameter in modern conditions.

**Key words:** productivity, river transport, statistics.

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**The estimation of condition of trestle type berthing facilities with the help of probability theory's toolkit / Kostin I.V. // River transport (XXI<sup>st</sup> century).2016. – № 2 (78) – p.55-56.**

Describes the ways of application reliability theory as a toolkit of estimation condition of trestle type berthing facilities. Lists main data about potential types of connections between structure's bearing elements. Shows an example of calculation reliability of structure's failsafe operation.

**Key words:** reliability, estimation, port, berth

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**The analysis of experience of maintenance service of port transshipment complexes (on the example of Siberian region) / Bik Y., Pivon Y. // River transport (XXI<sup>st</sup> century).2016. – № 2 (78) – p. 57.**

Describes the problem of overload berthing facilities as a result of replacement (modernization) old port equipment. Substantiates practicality of creating data base of typical technological ways of constructions' strengthening.

**Key words:** berthing facilities, safe exploitation, modernization of transshipment machinery, allowable load.

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**The ways to improve economical cooperation between owners of inland water ways' infrastructure and its users in Russia / Plotnikova E. // River transport (XXI<sup>st</sup> century).2016. – № 2 (78) – p. 58-62.**

Makes comparative analysis of types of dues for shipowners for the shipping on inland water ways in Russia, several countries near Danube and in France. Describes the influence of states' tariffs politics on financial condition of private enterprises of inland water transport.

**Key words:** inland water transport, charges, tariffs, profitability.

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