

ANNOTATIONS
of science works published in international magazine
«River transport (XXI st century)» 3(99)'2021

Components of technical progress and effective management on water transport / I. Kuz'michev, A. Bafanov, V. Kostrov, V. Lyubimov // River transport (XXIst century). 2021. – № 3 (99). – p. 32-35.

Analyses modern condition and substantiates necessity of revival of high-speed passenger fleet, increasing quality of staff training, strengthening of international cooperation in education sphere and development of logistics.

Key words: high-speed passenger fleet, staff training, international cooperation, logistics.

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Program complex for modelling and visualisation trajectory of ship's movement «Povorot» / R. Galeev, A. Ivanov, A. Fillipov, A. Solovyev, Y. Fedosenko // River transport (XXIst century). 2021. – № 3 (99). – p. 37-38.

Describes the features of program complex for modelling and visualisation trajectory of ship's movement «Povorot».

Key words: program complex, trajectory of ship's movement, visualisation.

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The analysis of condition and ways of development of inland water transport in Russia / G. Egorov, Y. Matveev, G. Chuplygin, V. Shabrov // River transport (XXIst century). 2021. – № 3 (99). – p. 39-44.

Makes analysis of condition and ways of development of inland water transport in Russia as a main sector of economics.

Key words: transport balance, river fleet, mixed transportations, effectiveness, cost-effectiveness, environmental friendliness.

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New ship's wave mover / V. Volkhonov // River transport (XXIst century). 2021. – № 3 (99). – p. 46-47.

Describes the principle of operation, construction and results of trials of new ship's wave mover.

Key words: wave mover, simplicity of construction, reliability.

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Prospects of development of container system on large landfills of transport network / O. A. Izotov // River transport (XXIst century). 2021. – № 3 (99). – p. 52-54.

Describes the task, the conditions for calculating and estimation of integral indicator of distribution center operation situated on territory of large landfill of transport network in conditions of using new container technologies for organisation delivery of combined cargo shipments deep into hinterland.

Key words: transport systems, combined cargo, container technologies, distribution centers.

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Additional loads, which appear during exploitation of «RO-RO» ships / Y. Bik, V. Degtyareva // River transport (XXIst century). 2021. – № 3 (99). – p. 54-56.

Describes additional loads in mooring cables, which appear in process of technical devices work while ship loading. Calculates allowed moving speed of forklifts in the hold with taking into account condition of avoidance overturning carrying cargo.

Key words: roller, loads in mooring cables, forklift, accident-free work.

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Estimation of perspectives of development of inland water transport in Ob-Irtysh basin / S. Maslennikov, M. Sinitsyn, E. Zhendareva // River transport (XXIst century). 2021. – № 3 (99). – p. 56-60.

Describes perspectives of development of inland water transport in Ob-Irtysh basin.

Key words: inland water transport, Ob-Irtysh basin, fleet, transportations.

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Choosing optimal modes of power consumption in autonomous system with renewable energy sources / V. Manusov, M. Nazarov, R. Koda, B. Palagushkin // River transport (XXIst century). 2021. – № 3 (99). – p. 60-63.

Describes the authour's method and algorithm of autonomous power system's optimization modes in Pamir region of republic Tajikistan, which allow to minimize financial expenses of energy consumers.

Key words: renewable energy sources, energy storage device, optimization of modes, autonomous power system.

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