

**Annotations of science works published in the magazine  
«River transport (XXI<sup>st</sup> century)» № 3 (68)'2014**

**Mathematical formalization of main tasks of dispatcher's control of vessel processing in river port / V. Alferov, Y. Mironov // River transport (XXI<sup>st</sup> century).2014 – № 3 (68). – p. 54-57**

Describes general statement of mathematical formalization of main tasks of dispatcher's control of fleet processing in a port.

**Key words:** water transport, dispatcher's control, fleet, processing of cargo fleet, port, mathematical model, phases of dispatcher's control.

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**Researching systems of work place's vibroprotection on water transport objects / O. Kochetov, V. Novikov, E. Baranov, T. Kiseleva // River transport (XXI<sup>st</sup> century).2014 – № 3 (68). – p. 57-60**

Describes new devices for human-operator protection from heightened levels of vibration. Shows structural schemes of his seat's suspension bracket and vibroisolating platforms to maintain vibroactive equipment on water transport objects.

**Key words:** seat's suspension bracket, vibroisolating platform, mathematical model, orienting mechanism, vibroisolating device, dry friction damper.

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**The model of estimation of navigator-operator's professional readiness / A. Romanov, Y. Korzhikov // River transport (XXI<sup>st</sup> century).2014 – № 3 (68). – p. 60-62**

Offers the model of estimation of navigator-operator's professional readiness. Shows examples of main parameters calculation.

**Key words:** model, professional readiness, navigator.

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**The spline-method of fuel consumption economical control on river ships / V. Saharov, A. Kuz'min, A. Chertkov, D. Tormashev // River transport (XXI<sup>st</sup> century).2014 – № 3 (68). – p. 62-65**

Describes the spline-method of fuel consumption economical control on river ships oriented to achieve its minimal summary value during one trip. Shows example of calculation.

**Key words:** fuel saving, spline-method, minimal fuel consumption, river ship, main engines, diesel-generators, control, water way.

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**Modeling processes of removing oil spills from ships / V. Naumov, A. Plastinin // River transport (XXI<sup>st</sup> century).2014 – № 3 (68). – p. 65-70**

Makes statistical estimation of different factors influencing processes of localization and removing oil spills in inland water ways conditions.

**Key words:** risk, spill oil, removing, environment, protection.

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**The system of exercises for forming foreign language communicative competence of future engineers of river and marine fleet (pre-communicative module) / O. Solovyeva, A. Kalinina // River transport (XXI<sup>st</sup> century).2014 – № 3 (68). – p. 70-73**

Describes pre-communicative module of system of exercises which includes terminological and professional vocabulary. This module is positioned as the base for forming foreign language stable communicative competences of future engineers of water transport.

**Key words:** system of exercises, pre-communicative module, foreign language communicative competence, engineers of water transport.

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**Feasibility study of necessity of river ships provision by remote immersion-meters for definition bulk of transportable goods / A. Telegin, A. Nichiporuk, V. Shabrov // River transport (XXI<sup>st</sup> century).2014 – № 3 (68). – p. 73-74**

Describes feasibility study of necessity of river ships provision by remote immersion-meters for definition bulk of transportable goods. Shows example of calculation.

**Key words:** remote immersion-meters, bulk of transportable goods, precision of measuring.

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**Project technologies in the process of training foreign language future specialists of water transport / Y. Guro-Frolova // River transport (XXI<sup>st</sup> century).2014 – № 3 (68). – p. 74-76**

Describes using project technologies for training foreign language future specialists of water transport. These technologies provide increasing productivity of development of subject due to influencing on motivational sphere and activation student's autonomy.

**Key words:** project technologies, foreign language, water transport, technical institute of higher education, increasing productivity of training.

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**Perfection of management account of indirect costs in shipping companies / V. Kraynova // River transport (XXI<sup>st</sup> century).2014 – № 3 (68). – p. 76-80**

Describes using by shipping companies variants of account and sharing indirect costs according to Branch instruction and account politics, uncovers imperfections of exploitable bases of sharing. As a way of perfection of management account of indirect costs offers alternative schemes of

their sharing, especially the method of account overhead expenses by places of their costs and types of activity.

**Key words:** management account, indirect costs, places of costs, calculation of prime cost, cost sharing, method of functional account ABC.

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**The technology of cooperation and its using in foreign language training / O. Koval // River transport (XXI<sup>st</sup> century).2014 – № 3 (68). – p. 80-83**

Describes the problem of co-operative training at foreign language lessons. Analyses the structure of the technology cooperation, shows main principles of structural approach.

**Key words:** training in cooperation, structure, criterions of effectiveness, communicative competence.

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**Navigational safety on river Ob' in the area Novosibirskaya hydro power – mouth of river Tom' / V. Sedykh, A. Lapay // River transport (XXI<sup>st</sup> century).2014 – № 3 (68). – p. 83-86**

Shows the results of researches of leveled order of river Ob', curves of free surface, and also of analysis of project marks. Gives an overview of the method of water level forecast. Offers suggestions for increasing water ways' quality characteristics in analyzed area.

**Key words:** project level, channel sand-pit, navigational safety, levels forecast.

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