ANNOTATIONS

About vibration isolation on ships / Baranovskiy A., Rishko Y., Fedoseeva M. // River transport (XXIst century).2016. – № 3 (79) – p. 42-45.

Analyses the effect of diesel's vibration influences by inertial forces of the rods. Researches the features of taut clutches of shaftings with two tire covers based on the method of finite elements.

Key words: diesel, vibration, suspension, clutch.

Contacts:

Science approaches to substantiate the system of organizing «northern delivery» / V. Buneev, M. Sedunova // River transport (XXIst century).2016. – № 3 (79) – p. 45-47.

Describes science approaches to substantiate the system of organizing and methodological principles of cargo delivery to the polar region, Far North and equivalent areas.

Key words: «northern delivery», science approaches, methodological principles, cargo delivery.

Contacts:

The analysis of induced impulse noises in the secondary circuits of traction substations for different modes of operation in the primary circuit / B. Palagushkin, , Y. Demin, E. Alaev, A. Palagushkin, A. Kuznetsov, D. Plotnikov, L. Sadovskaya // River transport (XXIst century).2016. - № 3 (79) – p. 47-49.

Analyses and estimates induced impulse noises in the secondary circuits of traction substations for different modes of operation in the primary circuit.

Key words: secondary circuits of traction substations, induced impulse noises.

Contacts:

The research of Bingham plastic fluid spherical particles' influence on yield stress/ I. Sukharev // River transport (XXIst century).2016. – № 3 (79) – p. 49-52.

Describes the problem of viscoplastic fluids' hydraulic transport. Researches the function of yield stress and the mixture's spherical particles' relative diameter and concentration.

Key words: dredger, viscoplastic fluid, two-phase mixture, spherical particles, yield stress.

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About the principle of automation of rescue operation during ship's transient accident / V. Etin, V. Lobastov, E. Poselenov, A. Valyaev// River transport (XXIst century).2016. – № 3 (79) – p. 52-55.

Describes the authors' computerized system for support rescue operation during the struggle for survivability of a vessel, which provides decreasing negative influence of «human factor» and increases effectiveness of using rescue facilities due to operability of decision making.

Key words: transient accident, computerized system for decision support, the struggle for survivability of a vessel.

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The features of creation and analysis of models of proceccing cargo in refrigerated containers / L. Pavlova, S. Sokolov// River transport (XXIst century).2016. – № 3 (79) – p. 55-57.

Container terminal (with relative functional sections and defined coefficient of complete, irregular dissimilar traffic of ships with output intensity) analyses as an open multi-channel type queueing system.

Key words: queueing system, poisson flow, container terminal, storage and proceccing of cargo in containers, probabilistic models.

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The comprehensive model of river–sea navigation ship's functioning processes / E. Yakubovich // River transport (XXIst century).2016. – № 3 (79) – p. 57-58.

Describes the comprehensive model of river-sea navigation ship's functioning processes during the voyage.

Key words: comprehensive model, assessment, processes of functioning, river-sea navigation ship, voyage, accidental processes.

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The analysis of accidents' reasons on the channel named after Moscow / O. Biryukova // River transport (XXIst century).2016. – № 3 (79) – p. 58-59.

Describes the research results of accidents' reasons of river ships on the channel named after Moscow in 2001-2015.

Key words: river fleet, inland water ways, transport accidents.

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The features of feasibility study of ship's electricity systems with powerful converter devices / V. Prihod'ko, I. Prohod'ko// River transport (XXIst century).2016. – № 3 (79) – p. 59-62.

Describes the features of performing feasibility study of ship's nonlinear electricity systems with powerful converter devices to provide proper quality of electric energy in the fleet.

Key words: electricity quality parameters, energy steady state, damage, converter devices.

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