
Researches perennial and season condition of shoals in local enlargements of weakly stable channels of navigable rivers. Estimates influence of changes on ways works planning.

Key words: shoals, weakly stable channels of rivers, ways works, planning.

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Describes the probability of ship’s impact on lower gates of the lock and predicts possibility of breakout of water pressure front by using data about vessel’s speeds inside lock.

Key words: shipping lock, vessel’s speed, possibility of breakout of water pressure front.

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Describes the method of parametrical estimation of industrial functions’ models by using statistical rows.

Key words: estimation of parameters, industrial model, function of expenditure, model Cobb-Douglas, neural net.

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Considers possibility of using ecological clear electric energy sources to provide ship’s moving. Suggests technical solutions of highly economical power units for passenger vessels.

Key words: passenger ships, electric power units, ecologic, economic.

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Describes the method of gas-discharge imaging – high-frequency photographing based on so-called «Kirlian effect», – and its field of application, in part for researching of navigator’s functional states.

**Key words:** method of gas-discharge imaging, biological object, electromagnetic field, functional states, energy flow.

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Analyses modern approaches to control ship’s fuel consumption.

**Key words:** fuel consumption, system of control, flowmeter.

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Describes the method of definition of natural gas leakage on ship by radon’s concentration in indoors air. Suggests author’s approach.

**Key words:** ship, natural gas leakage, sensor, radon.

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Describes main principles of realization of regional social-economical programs in Siberia. Analyses the specification of «north transportation». Considers integrated project «Yamal LNG».

**Key words:** strategy, transport service, «north transportation», Siberian region.

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Shows the results of visual examination, full-scale tests and verification of strength of embankment for unloading timber cargoes in Ust-Ilimsk. Proposes constructive offers for repair and reestablish the pier to provide its normal exploitation.
**Key words:** pier, load bearing capacity, visual examination, full-scale tests, verification.

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Makes analysis and estimation of impulse noise induced in secondary circuit during different modes of operation of primary network.

**Key words:** primary and secondary circuit, impulse noise induced, traction substation.

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Describes the author’s method, based on active management of production risks, to quantitative assessment of efficiency of organizational and technological decisions in shipbuilding industry.

**Key words:** shipyard, efficiency of decisions, management.

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