
Describes ways of increasing effectiveness of tankers’ exploitation. Suggests mathematical models of analyzing ships for registration offered constructive decisions.

**Key words:** architecture-constructive type of oil-tanker, effectiveness, exploitation immersion, mathematical model.

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Makes the estimation of approximation linear mathematical models of displacement of navigable ship on given course.

**Key words:** mathematical model, ship’s dynamic, approximation.

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Defines the place of inner control (IC) in system of water transport companies’ management accounts. Gives recommendation for organizing IC of budgets and forms of IC by using management analysis.

**Key words:** management accounts, inner control, places of cost, centers of responsibility, control of indexes, budget control.

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Gives recommendations for sea companies about application of management plan of ship’s energy effectiveness.

**Key words:** ship’s energy effectiveness, energy saving, management plan.

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Describes using function of desirability for quantitative estimation of object’s quality (on the example of a barje) by using different repair methods.

**Key words:** estimation of quality, methods of repair, functions of desirability.

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Analyses methodical bases of business’ value management and creates the system of parameters (for structural company’s departments), oriented on capital increasing. Describes the variants of solving agent’s problem – providing coincidence of interests of owners and managers – by using reports of 7 shipping companies.
Key words: capital management, added value, profitability on invested capital, cost of capital, agent’s relations.
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Shows results of the research of the method to estimate complex technical systems (on the example of ship’s diesel propulsive plant).
Key words: prejudice, probability, risk, diesel propulsive plant, cognitive model.
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