

Морской Вестник

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Morskoy Vestnik



На головном корабле
класса корвет пр. 20380 «Стрекущий»
проводятся ходовые испытания.
Проект разработан ЦМКБ «Алмаз»



ФГУП ЦМКБ «Алмаз»



Объединенная
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ОАО Судостроительный
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Морской Вестник



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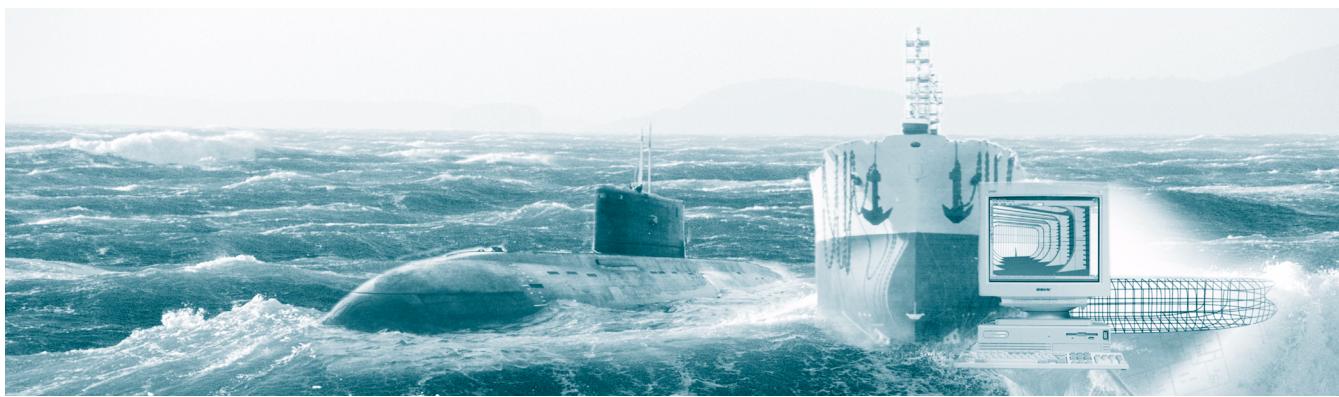
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The **Morskoy Vestnik** magazine is entered on the list of the leading scientific magazines and editions published in the Russian Federation where basic scientific outcomes of doctoral dissertations shall be published.

<i>how does viscosity influence the wave field of a moving vessel have been performed.</i>	76
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Basing upon the results of these studies a hypothesis has been suggested that the influence of viscosity upon the wave field appears in the undersurface boundary layer of fluid's free surface. The digital estimation of viscous stresses present in this layer of ship's wave has been performed and turbulent viscosity factors obtained. Introduction of these factors into the Mitchell's integral for the models of different shape wave resistance resulted in plotting of curves that were very similar to the experimental curves.

The results of the experiment confirmed the hypothesis that turbulent stresses in the wave field around a ship appear at the moment when the forward end of ship's hull hits undisturbed water.

<i>The unity of science and practice: invitation to take part in the conference and congress of shipbuilders, September 6th – 10th, 2007</i>	80
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<i>P.A. Bimberekov. Estimation and standardizing of the value of idle scantling falling home with consideration of the value of shell plating sagging in the place of framing attachment</i>	81
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The author has offered a method of defining the damage values of idle framing as a function of the value of structures deformation from the outside plating. The functions obtained for the estimation of these values and examination of the allowable falling home of idle framing in accordance with the deformation values of outside plating can be taken as a basis for the development of new methods of calculation.

<i>D.G. Fedotov. Computer-aided design of flexible guard for air-support amphibious vessels</i>	86
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The author has offered a method to design flexible guards of such type that is mostly widely used on the majority of Russian and foreign air-support vessels.

<i>Doan Kim Tkhai. Calculation of wave loads effecting a ship's hull in conditions of intensive irregular sea</i>	89
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The problem of estimation with the help of CAD of vertical bending moment in hull sections that defines the total hull strength in the lateral plane in conditions of irregular sea has been considered in the article. The calculations performed demonstrate urgency of bending moments studying and substantiation of the mathematical model in use that can be easily installed on the onboard computer.

<i>D.V. Nikuschenko, D.I. Keshkov. Rotating components of hydrodynamic forces originating at the hull of underwater vehicles being defined by calculative methods of hydrodynamics</i>	93
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The values of rotating components of hydrodynamic characteristics of a rigid dirigible's hull the geometry of which is similar to the majority of underwater vehicles have been obtained. This fact makes it possible to use the method of special features i.e. approximate estimation of hydrodynamic characteristics in designing of underwater vehicles.

<i>B.I. Marchenko, Sye Lytzyan. Organizing of shipborne missile armament operation and maintenance in the China's Navy. Special features</i>	96
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<i>To the 60th birthday of Professor B.I. Marchenko</i>	98
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The special features of the China's Army structure have been considered in the article. The substantiation of technical positions dislocations and estimation of required capacity of missile armament maintenance subdivisions has been carried out.

<i>A.V. Bronnikov. Rapid method used to estimate power of a sea-going transport ship's main engine at the initial stages of a project</i>	99
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A new method to estimate power of marine main propulsion plants at the initial stage of a ship design that provides more reliable results and less calculation has been offered. The method is based upon the statistical processing of the technical characteristics of recently built sea-going transport ships. These basic data is used to plot the curves of propulsion plant specific power that is related to the deadweight and tonnage (cargo-carrying capacity) of the considered ships and represented as a function of relative speed. Final estimation of power parameter is performed by a single arithmetic operation.

BUSINESS AND LAW

<i>M.K. Rozhdestvenskaya. Responsibility of classification societies: international legal regulation and basic problems</i>	103
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The documents used to regulate under international law the responsibility of classification societies in terms of the safety of life at sea have been considered in the article. The analysis of clauses defining the insurance of responsibilities and IACS positions has been performed.

<i>G.D. Filimonov. Venture analysis of labour costs for the construction of ships</i>	107
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The article contains the results of labour costs venture analysis for the construction of marine tankers (including ice-breaking tankers) that was performed on the basis of statistical data. These results can be used for the modeling of shipbuilding manufacturing processes with the purpose to meet in time contract terms of delivery as well as to estimate future incomes and profitability in conditions of growing labour costs.

HISTORY OF SHIPBUILDING AND FLEET

<i>V.A. Kolesnik. At the origination of the Russian underwater fleet</i>	117
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The article narrates about the Dzhevetsky submarine the construction of which marked the origination of the Russian underwater fleet, the 100th anniversary of which we have recently celebrated. The necessity of foundation of the navy equipment museum in Gatchina is also mentioned in the article.

<i>S. Panaiotis. The personality of the Commander-in-Chief of the Russian light flotilla Lambros Katsonis through the prism of archive documents found in different countries</i>	120
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The results of studying the personality of Lambros Katsonis, colonel of the Russian Navy and national hero of Greece, his fate and role in the Russian Greece history.

IN THE MARINE ASSEMBLY

<i>S.P. Siry. Reception in the St.Petersburg Marine Assembly of seamen – veterans of the Great Patriotic War on the occasion of Victory Day</i>	125
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On the ceremony of rewarding seamen veterans in connection with Victory Day.

"MARINE GLORY OF RUSSIA" ART GALLERY

<i>S.Y. Kournosov, O.B. Kournosova. Masterpieces of I.K. Aivazovsky in the collection of the Central Navy Museum: to the 190th anniversary of the famous seascape painter</i>	129
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The article familiarizes with the biography of the outstanding seascape painter and his works that are kept in the St.Petersburg Central Navy Museum.