

統計解析による船舶諸元に関する研究 — 船舶の主要諸元の計画基準（案） —

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要 旨

本研究では、過去の「技術基準」の値を経時的に分析するとともに世界各国・各機関で提案されている同様の主要諸元に関する基準との比較分析を実施し、従来の統計解析手法の妥当性を確認した上で、「技術基準」の次期改訂に合わせて新たな「船舶の主要諸元の基準（案）」を策定した。

さらに、「船舶の主要諸元の基準（案）」として示した値は、世界的にも標準的な値として海外でも適用可能な値として評価できることを確認するとともに、本研究の成果自体も十分に活用されることを期する観点から、実務上必要となる「船舶の主要諸元」に関連する様々な指標の統計解析結果もあわせて示した。

キーワード：港湾の施設の技術上の基準・同解説，船舶の主要諸元，統計解析

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Study on Ship Dimensions by Statistical Analysis - Standard of Main Dimensions of Design Ship (Draft)-

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Synopsis

In planning and designing port facilities, it is significant to estimate main dimensions of Design Ship and thus representative values have been shown in the technical standard of port facilities. Recently, in order to react to the trends of internationalization and adaptation of the concept of performance-based design code properly, this standard has been revised.

In this study, a new version of standard of the main dimensions of Design Ship has been made and proposed. Especially interannual comparison of the standards has been conducted, and comparative analysis between Japanese standards and other standards in the world including those of various nations and international organizations has been conducted. As the result, it has been confirmed that the method of statistical analysis applied has been appropriate, and that the new standard can be utilized as a general standard globally. Moreover, various indexes of the results of statistical analysis which are necessary for practical use have been shown, with an expectation that the result of this study is to be utilized broadly.

Key Words : Technical Standards and Commentaries of Port and Harbour Facilities,
Main Dimensions of Design Ship, Statistical analysis

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