

Victor A. Dubrovsky

CONSTRUCTION
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Specificity and Designing of Multi-Hull Ships and Boats

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Victor A. Dubrovsky

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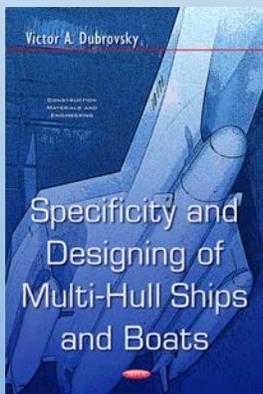
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Book Description:

The monograph presents the main results of the author's sixty-year activity in science and engineering fields regarding the application of various multi-hull ships. The shown data is based mainly on the wide experimental results of the author. For fullness of description, some problems are explained in brief by the experimental results of other authors whose names are shown in the text and references.

The scope of topics includes a brief history of applications, a list of types, hydrostatics and stability, towing resistance and propulsion in calm water and high seas, seaworthiness, maneuverability, external loads, structural arrangements and strength, general arrangement, and proposed concept designs. The scope of architectural types encompasses the variety of multi-hull "species" from catamarans to trimarans as well as the other triple-hull ships, and ships with a small water-plane area (SWA ships). The type and size of ship range from small fast crafts to large ferries, from passenger ships to transatlantic container-carriers, and from high-speed patrol boats to naval combat and auxiliary ships.



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