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Titolo	Hydrostatics and Stability of Marine Vehicles : Theory and Practice // by Byung Suk Lee
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2019
ISBN	981-13-2682-7
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XIII, 134 p. 67 illus., 23 illus. in color.)
Collana	Springer Series on Naval Architecture, Marine Engineering, Shipbuilding and Shipping, , 2194-8445 ; ; 7
Disciplina	623.8171
Soggetti	Ocean engineering Fluids Mechanics Mechanics, Applied Fluid mechanics Engineering design Offshore Engineering Fluid- and Aerodynamics Solid Mechanics Engineering Fluid Dynamics Engineering Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Basic Ship Geometry -- Basic Hydrostatics -- Moments and Centroids -- Numerical Integration Methods -- Trim and Longitudinal Stability -- Statical Stability at Small Heels Angles -- Statical Stability at Large Heel Angles -- Dynamical Stability -- Intact Stability Criteria -- Damage Stability and Watertight Subdivision. .
Sommario/riassunto	This book addresses the hydrostatics and stability of ships and other floating marine structures - a fundamental aspect of naval architecture and offshore engineering for naval architects and marine engineers. It starts from the most basic concepts, assuming that the reader has no prior knowledge of the subject. By presenting the topic in a methodical and step-by-step manner, the book helps students to enhance their

understanding, while also providing valuable guidelines for lecturers teaching related courses. .
