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For Marine Engineers

6th Edition

Naval Architecture For Marine Engineers

E. A. Stokoe



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Introduction to Naval Architecture E. C. Tupper, 2013-01-09 Written by an award winning naval architecture author and former vice president of the Royal Institution of Naval Architects RINA the fifth edition of Introduction to Naval Architecture has been fully updated to take in advances in the field and is ideal both for those approaching the subject for the first time and those looking to update or refresh their knowledge on areas outside of their direct expertise This book provides a broad appreciation of the science and art of naval architecture explaining the subject in physical rather than in mathematical terms While covering basic principles such as hull geometry propulsion and stability the book also addresses contemporary topics such as computer aided design and computer aided manufacture CAD CAM The new edition reflects the continuing developments in technology changes in international regulations and recent research Knowledge of the fundamentals of naval architecture is essential not only for newcomers to the field but also the wealth of non naval architects working in the marine area including marine engineers marine surveyors and ship crews This book provides the most well known and trusted introduction to the topic offering a clear and concise take on the basics of this broad field Praise for previous edition a clear and concise introduction to the subject giving a good grasp of the basics of naval architecture Maritime Journal my go to book for understanding the general principles of naval architecture The book is well written and easy to understand Amazon com reviewer Provides a perfect introduction to naval architecture for newcomers to the field and a compact overview for related marine professionals needing a working knowledge of the area Updated to cover key developments including double hulled tankers and the increased use of computational methods and modeling in ship design Draws on the experience of renowned naval architecture author Eric Tupper to provide extensive scope and authoritative detail all in an accessible and approachable style

Naval Architecture for Marine Engineers W. Muckle, 2013-10-22 Naval Architecture for Marine Engineers focuses on resistance propulsion and vibration aspects of ships The book first discusses the functions layouts and types of ships and terms used The text looks at classification societies and governmental authorities influential on the design construction and safety of ships Lloyd s Register of Shipping governmental authorities and Inter governmental Maritime Consultative Organization IMCO are noted The book also highlights ship calculations including trapezoidal rule Simpson s rule and other rules for calculation The text discusses as well the buoyancy stability and trim Conditions for equilibrium of body floating in still water calculation of underwater volume stability at large angle of inclination and flooding and damaged stability are considered The selection also underscores structural strength of ships Static forces on a ship in still water dynamic longitudinal strength problem resistance of ship to buckling and materials used in ships are noted The text also looks at resistance powering vibration and propulsion of ships The book is a vital source of data for readers interested in naval architecture

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Reeds Vol 4: Naval Architecture for

Marine Engineers Richard Pemberton, E A Stokoe, 2024-10-03 The essential textbook for all students preparing for Marine Engineer Officer exams Covering the theoretical fundamental aspects of naval architecture this textbook is aimed at students preparing for the Class 1 and Class 2 Marine Engineer Officer exams It introduces the foundation themes within naval architecture hydrostatics stability resistance and powering using worked examples to show how solutions should be presented for an exam The topics are ordered as they might be in a typical taught module to aid the use of the book by lecturers as a complement to a course The text and figures continue to be updated in line with modern practice Many of the figures are three dimensional diagrams The book also includes sample examination questions with worked examples to aid students in their learning As well as an expanded section on stability that considers inclining experiments this new edition also factors in changes within the industry as it moves towards Net Zero propulsion Due to the pace of innovation students who qualify today will see big changes during their careers and this edition anticipates this and prepares students for such developments

Naval Architecture and Marine Engineering Massachusetts Institute of Technology. Department of Naval Architecture and Marine Engineering, 1958 *Naval Architecture for Marine Engineers* William Muckle, 1975 **Reed's Naval Architecture for Marine Engineers, [with Answers.]** Edward Alan Stokoe, 1963 **Contribution from the Department of Naval Architecture and Marine Engineering** Massachusetts Institute of Technology. Department of Naval Architecture and Marine Engineering, 1924 The Annual of the Royal School of Naval Architecture and Marine Engineering Royal School of Naval Architecture and Marine Engineering (London, England), 1871

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