1. Record Nr. UNINA9910786170803321 Autore Tupper E. C Titolo Introduction to naval architecture / / Eric C. Tupper, BSc, CEng, RCNC, FRINA, WhSch Amsterdam; ; Boston, : Elsevier, Butterworth Heinemann, 2013 Pubbl/distr/stampa Oxford: .: Butterworth-Heinemann, . 2013 **ISBN** 1-283-95044-8 0-08-098272-7 Edizione [Fifth edition.] Descrizione fisica 1 online resource (xiii, 476 pages): illustrations (some color) Collana Gale eBooks Disciplina 623.81 Soggetti Naval architecture Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Front Cover; Introduction to Naval Architecture; Copyright Page; Contents: Preface to the Fifth Edition: General: Arrangement of the Book: Acknowledgements; 1 Introduction; General; Naval Architecture and the Naval Architect; The Ship; Fit for Purpose; Variety; Safety; The Impact of Technology and Computers; In Design; In Production; In Operation; Summary; 2 Definition and Regulation; Introduction; Definition; Defining the Hull Form; The Geometry of the Hull; Representing the Hull Form; Hull Characteristics; Displacement and Tonnage: Displacement: Deadweight: Tonnage: FREEBOARD AND LOAD **LINES** Safety of Life at Sea; International and National Regulatory Bodies; General; International Law; The International Maritime Organisation; General: Structure of IMO: The Maritime Safety Committee: The Marine Environment Protection Committee: Conventions: Enforcing Regulations: Flag States: Port State Control (PSC): The Maritime Coastguard Agency, UK; Classification Societies; The International Association of Classification Societies; Unified Requirements; Common Rules: Unified Interpretations: Standards: Precision: Impact of Rules and Regulations on Design; Summary; 3 Ship Form Calculations Introduction; Approximate Integration; Trapezoidal Rule; Simpson's

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Sommario/riassunto

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.