

MARINE NAVIGATION WORKBOOK: Piloting and Celestial and Electronic Navigation

Fourth Edition

Richard R. Hobbs

**Naval Institute Press
Annapolis, Maryland**

Marine Navigation Workbook

Richard R. Hobbs



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This book provides over 100 exercises with answers covering all aspects of small craft navigation These are practical problems that all navigators should know how to solve Essentials of Navigation Hongwei Bian, An Li, Heng Ma, Rongying Wang, 2024-05-14 This book gives a basic introduction to navigation from key concepts basic principles main technologies equipment systems to the knowledge frame of navigation The ten chapters fall into three parts Chapters I III introduce the elementary knowledge of navigation Chapters IV IX are devoted to the basic principles and the optimization principle of integrated navigation as well and Chapter X discusses the application of marine navigation indicating the basic outline of the marine navigation system The book clearly reflects the systematic idea of navigation knowledge from multiple perspectives which is helpful for readers to build a holistic understanding of navigation from the concept principle characteristics technology to the equipment system At the end of each chapter reflections beyond the fundamental knowledge of navigation are included to help readers further develop their scientific thinking and general literacy This book is written primarily for students majoring in navigation and it may also be of interest to researchers and practitioners engaged in navigation

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