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Survey Vessels of the World
Finite Element Analysis of Composite Laminates
Asian Shipping
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GMDSS Manual
Lloyd's Ship Manager
GMDSS
Second-class radioelectronic certificate for Global
Maritime Distress and Safety System radio
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SANTANA TRISTEN

*Survey Vessels of the
World* Springer Science
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Composite materials
are increasingly used
in aerospace,

underwater, and
automotive structures.
To take advantage of
the full potential of
composite materials,
structural analysts and
designers must have
accurate mathematical
models and design
methods at their
disposal. The objective

of this monograph is to present the laminated plate theories and their finite element models to study the deformation, strength and failure of composite structures. Emphasis is placed on engineering aspects, such as the analytical descriptions, effective analysis tools, modeling of physical features, and evaluation of approaches used to formulate and predict the response of composite structures. The first chapter presents an overview of the text. Chapter 2 is devoted to the introduction of the definitions and terminology used in composite materials and structures. Anisotropic constitutive relations and laminate plate theories are also

reviewed. Finite element models of laminated composite plates are presented in Chapter 3. Numerical evaluation of element coefficient matrices, post-computation of strains and stresses, and sample examples of laminated plates in bending and vibration are discussed. Chapter 4 introduces damage and failure criteria in composite laminates. Finally, Chapter 5 is dedicated to case studies involving various aspects and types of composite structures. Joints, cutouts, woven composites, environmental effects, postbuckling response and failure of composite laminates are discussed by considering specific examples.

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 The Global Maritime Distress and Safety System (GMDSS) provides a fast and efficient way of calling for assistance at sea, whatever the size of craft or geographical position. Now updated for the fourth edition, this book explains the operation of the system as a whole and the procedures involved, as well as covering the syllabi of the General Operator's Certificate (GOC), the Long Range Certificate (LRC), and the Restricted Operator's Certificate (ROC).
 GMDSS: A User's Handbook has proved an invaluable reference

for both exam candidates and equipment users alike. 'The ideal publication' Cruising 'Concise and lucid practical guidance' The Nautical Magazine 'A useful guide for those taking examinations... or those who need to brush up on procedures' Lloyds List
World Fishing Sheridan House, Inc.
 John C. Payne is a professional marine electrical engineer with 23 years merchant marine and off-shore oil experience.
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