

Ship Stability California Polytechnic State University

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COLON LILLY

Popular Science John Wiley & Sons

New up-to-date edition of this influential classic on Markov chains in general state spaces. Proofs are rigorous and concise, the range of applications is broad and knowledgeable, and key ideas are accessible to practitioners with limited mathematical background. New commentary by Sean Meyn, including updated references, reflects developments since 1996.

To Preserve Biodiversity (Readings from Conservation Biology) Sterling Publishing Company, Inc.

The hydrostatic approach to ship stability aims to balance idealized ship weight against buoyancy forces. This textbook is a complete guide to understanding ship hydrostatics in ship design and ship performance. Adrian Biran guides readers from first principles through basic and applied hydrostatic and ship stability theory, and introduces contemporary mathematical techniques for hydrostatic modelling and analysis. Real life examples of the practical application of hydrostatics are used to explain the theory and calculations; and to illustrate the effect shifting weights and central gravity displacements have on overall ship stability. Ship Hydrostatics and Stability covers recent developments in the field of naval architecture such as parametric resonance (also known as the Mathieu effect), the effects of non-linear motions on stability, the influence of ship lines, and new international stability regulations for small vessels. Extensive use of computer techniques is made throughout and downloadable MATLAB files accompany the book to support readers' own hydrostatic and stability calculations. * Adheres to international standards and terminology * Includes real life practical examples and calculations to illustrate the hydrostatic approach to ship stability * Accompanied by free downloadable MATLAB files to support readers' own hydrostatic and stability calculations

Markov Chains and Stochastic Stability AIAA

An updated reference for power and sail boaters surveys the latest developments in safety systems, marine electronics, radar, and communications, and federal laws and regulations, and includes information on tides, currents, weather, and navigation.

Department of Defense Appropriations for Fiscal Year 1973, Hearings Before ..., 92-2 Cambridge University Press

Includes preprints of: Transactions of the American Institute of Electrical Engineers, ISSN 0096-3860
Awards to Academic Institutions by the Department of Transportation, Fiscal Year 1975 John Wiley &

Sons

A revision of a professional text on the phenomena of chaotic vibrations in fluids and solids. Major changes reflect the latest developments in this fast-moving topic, the introduction of problems to every chapter, additional mathematics and applications, more coverage of fractals, numerous computer and physical experiments. Contains eight pages of 4-color pictures.

Yachting

Based on a 15-year successful approach to teaching aircraft flight mechanics at the US Air Force Academy, this text explains the concepts and derivations of equations for aircraft flight mechanics. It covers aircraft performance, static stability, aircraft dynamics stability and feedback control.

University Curricula in the Marine Sciences and Related Fields

Coverage: 1982- current; updated: monthly. This database covers current ecology research across a wide range of disciplines, reflecting recent advances in light of growing evidence regarding global environmental change and destruction. Major areas of subject coverage include: Algae/lichens, Animals, Annelids, Aquatic ecosystems, Arachnids, Arid zones, Birds, Brackish water, Bryophytes/pteridophytes, Coastal ecosystems, Conifers, Conservation, Control, Crustaceans, Ecosystem studies, Fungi, Grasses, Grasslands, High altitude environments, Human ecology, Insects, Legumes, Mammals, Management, Microorganisms, Molluscs, Nematodes, Paleo-ecology, Plants, Pollution studies, Reptiles, River basins, Soil, TAiga/tundra, Terrestrial ecosystems, Vertebrates, Wetlands, Woodlands.

Awards to Academic Institutions by the Department of Transportation in FY 1975

This new series of readings from Conservation Biology gives easy access to some of the finest papers ever published in a range of important fields. Readings in Conservation Biology can make course preparation easy. It provides a ready-made collection of the best, most representative papers available in a format students can use. Readings will also be invaluable for researchers and academics needing an update in a specific subject area.

International Aerospace Abstracts

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

National Bureau of Standards Miscellaneous Publication

Oceans

The Society of Naval Architects and Marine Engineers

Ecology Abstracts

Navy Research Task Summary, 1961

Hydraulic Research in the United States 1970

Miscellaneous Publication - National Bureau of Standards

Scientific and Technical Aerospace Reports

U.S. Government Research Reports

Comprehensive Dissertation Index

Yachting