

## Elements Of Shipping Alan Branch 8th Edition Dbmallore

Through ten editions, Fox and McDonald's Introduction to Fluid Mechanics has helped students understand the physical concepts, basic principles, and analysis methods of fluid mechanics. This market-leading textbook provides a balanced, systematic approach to mastering critical concepts with the proven Fox-McDonald solution methodology. In-depth yet accessible chapters present governing equations, clearly state assumptions, and relate mathematical results to corresponding physical behavior. Emphasis is placed on the use of control volumes to support a practical, theoretically-inclusive problem-solving approach to the subject. Each comprehensive chapter includes numerous, easy-to-follow examples that illustrate good solution technique and explain challenging points. A broad range of carefully selected topics describe how to apply the governing equations to various problems, and explain physical concepts to enable students to model real-world fluid flow situations. Topics include flow measurement, dimensional analysis and similitude, flow in pipes, ducts, and open channels, fluid machinery, and more. To enhance student learning, the book incorporates numerous pedagogical features including chapter summaries and learning objectives, end-of-chapter problems, useful equations, and design and open-ended problems that encourage students to apply fluid mechanics principles to the design of devices and systems.

This book focuses on ways to better manage and prevent aircraft-based homicide events while in flight using alternate technology to replace the Cockpit Voice Recorder (CVR) and/or Digital Flight Data Recorder (DFDR) functions. While these events are infrequent, the implementation of real-time predictive maintenance allows aircraft operators to better manage both scheduled and unscheduled maintenance events. Aviation Safety and Security: Utilizing Technology to Prevent Aircraft Fatality explores historical events of in-flight homicide and includes relevant accident case study excerpts from the National Transportation Safety Board (NTSB) and Air Accidents Investigation Branch (AAIB). FEATURES Explores historical events of in-flight homicide and offers solutions for ways to mitigate risk Explains how alternate technologies can be implemented to address in-flight safety issues Demonstrates that metrics for change are not solely for safety but also for financial savings for aircraft operation Includes relevant accident case study excerpts from the NTSB and AAIB Expresses the need for real-time predictive maintenance Stephen J Wright is an academic Professor at the faculty of Engineering and Natural Sciences at Tampere University, Finland, specializing in aviation, aeronautical engineering, and aircraft systems.

Designed for students, young managers and seasoned practitioners alike, this handbook explains the nuts and bolts of the modern logistics and distribution world in plain language. Illustrated throughout, this second edition includes new chapters on areas previously not covered, such as: intermodal transport;

benchmarking; environmental matters; and vehicle and depot security.

Branch's Elements of Shipping Routledge

Originally published in 1983, this book presents both the technical and political information necessary to evaluate the emerging threat to world security posed by recent advances in uranium enrichment technology. Uranium enrichment has played a relatively quiet but important role in the history of efforts by a number of nations to acquire nuclear weapons and by a number of others to prevent the proliferation of nuclear weapons. For many years the uranium enrichment industry was dominated by a single method, gaseous diffusion, which was technically complex, extremely capital-intensive, and highly inefficient in its use of energy. As long as this remained true, only the richest and most technically advanced nations could afford to pursue the enrichment route to weapon acquisition. But during the 1970s this situation changed dramatically. Several new and far more accessible enrichment techniques were developed, stimulated largely by the anticipation of a rapidly growing demand for enrichment services by the world-wide nuclear power industry. This proliferation of new techniques, coupled with the subsequent contraction of the commercial market for enriched uranium, has created a situation in which uranium enrichment technology might well become the most important contributor to further nuclear weapon proliferation. Some of the issues addressed in this book are: A technical analysis of the most important enrichment techniques in a form that is relevant to analysis of proliferation risks; A detailed projection of the world demand for uranium enrichment services; A summary and critique of present institutional non-proliferation arrangements in the world enrichment industry, and An identification of the states most likely to pursue the enrichment route to acquisition of nuclear weapons.

Since it was first published in 1964, Elements of Shipping has become established as a market leader. Now in its ninth edition, Branch's Elements of Shipping, renamed in memory of Alan Branch, has been updated throughout and revised to take in the many changes that have occurred in the shipping industry in recent years, including the impact of the economic crisis, the Panama Canal expansion and new legislation. All tables and data have been brought up-to-date and many new illustrations have been added. The book explains in a lucid, professional manner the basic elements of shipping, including operational, commercial, legal, economic, technical, managerial, logistical and financial considerations. It also explores how shipping markets behave and provides an overview of the international shipping industry and seaports. Filling a gap for the discerning reader who wishes to have a complete understanding of all the elements of the global shipping scene together with the interface with seaports, international trade and logistics, it remains essential reading for shipping executives along with students and academics with an interest in the shipping industry.

Port Economics is the study of the economic decisions (and their consequences)

of the users and providers of port services. A port works as an "engine" for economic development. This book provides a detailed discussion of port freight service users, such as freight water and land carriers, that have their ships and vehicles serviced and their cargoes unloaded by ports, as well as passenger services such as ferry carriers which are serviced by ferry passenger ports. This text continues to enhance our understanding of port economics by exploring the economic theories, supply and demand curves, and the actual and opportunity costs relating to the carriers, shippers and passengers who use ports. This new edition has been updated throughout. This includes: An expanded discussion of container, break-bulk, dry-bulk, liquid-bulk and neo-bulk ports; An introduction of port service chains, hinterland transport chains, maritime transport chains and port multi-service congestion; A discussion of seaborne trade, dry ports, port centrality and connectivity and free trade zones. This updated and comprehensive introduction to port economics will be of benefit to students and researchers in their study of port economics and management. It is also of great importance to professionals who manage and operate ports as well as freight and passenger carriers.

Argues that public finance--the study of the government's role in economics--should incorporate principles from behavior economics and other branches of psychology.

A sampling of the writings of Chinese women poets from ancient times to the twentieth century is accompanied by brief biographies and a discussion of their influence on Chinese literature.

This open access book belongs to the Maritime Business and Economic History strand of the Palgrave Studies in Maritime Economics book series. This volume highlights the contribution of the shipping industry to the transformations in business and society of the postwar era. Shipping was both an example and an engine of globalization and structural change. In turn, the industry experienced and pioneered, mirrored and enabled key developments that led to the present-day globalized economy. Contributions address issues such as the macro-level shift of shipping's centre of gravity from Europe to Asia, the political and legal frameworks within which it developed, the strategies and performance of both successful and unsuccessful firms, and the links between the shipping industry and the wider economy and society. Without shipping and its ability to forge connections and networks of a global reach, the modern world would look very different. By bringing together scholars from various disciplinary and national backgrounds, this book advances our understanding of the linkages that bind economies and societies together.

Perfect for fans of action-adventure and historical fiction—including novels by such authors as Bernard Cornwell, Steve Berry, Naomi Novik, and Harry Turtledove—this stunning work of alternate history imagines a world in which the Roman Empire has not fallen and the North American continent has just been discovered. In the year 1218 AD, transported by Norse longboats, a Roman

legion crosses the great ocean, enters an endless wilderness, and faces a cataclysmic clash of worlds, cultures, and warriors. Ever hungry for land and gold, the Emperor has sent Praetor Gaius Marcellinus and the 33rd Roman Legion into the newly discovered lands of North America. Marcellinus and his men expect easy victory over the native inhabitants, but on the shores of a vast river the Legion clashes with a unique civilization armed with weapons and strategies no Roman has ever imagined. Forced to watch his vaunted force massacred by a surprisingly tenacious enemy, Marcellinus is spared by his captors and kept alive for his military knowledge. As he recovers and learns more about these proud people, he can't help but be drawn into their society, forming an uneasy friendship with the denizens of the city-state of Cahokia. But threats—both Roman and Native—promise to assail his newfound kin, and Marcellinus will struggle to keep the peace while the rest of the continent surges toward certain conflict.

Praise for *Clash of Eagles* “That rarest and best of alternative histories: the one you believe, the one that makes sense. Alan Smale has a storyteller’s flair for character, and presents an ensemble cast with a depth of detail of which George R. R. Martin would approve. It works as a novel, as historical speculation, and as cultural extrapolation. But its real value is singular: It’s a ripping good yarn, and one that will keep you reading long past your bedtime.”—Myke Cole, award-winning author of the *Shadow Ops* series “Just when it seems there is nothing new in [alternate] history comes this debut.”—*Library Journal* (starred review) “An intriguingly original alternate history.”—*Kirkus Reviews* “[Smale] breathes life into the New World civilizations and offers up a compelling view of what might have happened had these two continents collided. . . . I found the New World of 1218 AD fascinating.”—*Historical Novels Review* “Authoritatively researched, compellingly told, and with pleasing echoes of L. Sprague de Camp, *Clash of Eagles* is a modern masterpiece of what-if speculation.”—Stephen Baxter, Philip K. Dick Award–winning author of *The Time Ships* “Smale has done remarkable work with the worldbuilding in *Clash of Eagles*, dropping the sole Roman survivor of a massacre into the complex civilization of the Cahokian Native Americans in the thirteenth century.”—Harry Turtledove, *New York Times* bestselling author of *How Few Remain* “My favorite kind of alternate history: epic, bloody, and hugely imaginative.”—John Birmingham, author of *Without Warning* “Epic in its sweep, exciting in its narrative, and eyeball-kick sharp in its details.”—Nancy Kress, *Nebula* and *Hugo* Award–winning author of *Beggars in Spain* “The first book of Alan Smale’s trilogy introduces the series with a lightning bolt. Bracketed between two breathtaking and meticulously strategized battles is a sensitive evocation of a lost culture, an act of literary archeology like no other I’ve read.”—James Patrick Kelly, *Nebula* Award–winning author of *Burn*

*Greece, 1940*. In the port city of Salonika, with its wharves and brothels, dark alleys and Turkish mansions, a tense political drama is being played out. As Adolf Hitler plans to invade the Balkans, spies begin to circle—and Costa Zannis,

a senior police official, must deal with them all. He is soon in the game, working to secure an escape route for fugitives from Nazi Berlin that is protected by German lawyers, Balkan detectives, and Hungarian gangsters—and hunted by the Gestapo. Meanwhile, as war threatens, the erotic life of the city grows passionate. For Zannis, that means a British expatriate who owns the local ballet academy, a woman from the dark side of Salonika society, and the wife of a shipping magnate. With extraordinary historical detail and a superb cast of characters, *Spies of the Balkans* is a stunning novel about a man who risks everything to fight back against the world's evil.

If you're just learning how to program, Julia is an excellent JIT-compiled, dynamically typed language with a clean syntax. This hands-on guide uses Julia 1.0 to walk you through programming one step at a time, beginning with basic programming concepts before moving on to more advanced capabilities, such as creating new types and multiple dispatch. Designed from the beginning for high performance, Julia is a general-purpose language ideal for not only numerical analysis and computational science but also web programming and scripting. Through exercises in each chapter, you'll try out programming concepts as you learn them. Think Julia is perfect for students at the high school or college level as well as self-learners and professionals who need to learn programming basics. Start with the basics, including language syntax and semantics Get a clear definition of each programming concept Learn about values, variables, statements, functions, and data structures in a logical progression Discover how to work with files and databases Understand types, methods, and multiple dispatch Use debugging techniques to fix syntax, runtime, and semantic errors Explore interface design and data structures through case studies

*Elements of Shipping* was first published in 1964 and has become established as a market leader over its many editions. This latest version is entirely updated to take in the many changes that have occurred in the shipping industry in recent years and features new chapters on multimodalism, seaports and electronic data interchange. Emphasis is also placed on professionalism and the need to have the latest technology and professionally qualified personnel to operate a shipping service today. It remains essential reading for the shipping executive along with students and academics with an interest in the shipping industry.

It's okay to be different. What makes Gemma different? Gemma loves to wear sweaters, she wears them everywhere she goes. Her friends Giselle and Marvin and her sister Rose encourage her love of sweaters throughout the year. Gemma goes on many adventures with Giselle and Marvin as the year goes by. Join her as she learns to skydive, fish, paint, and a whole lot more. Gemma loves school and reading and all she dreams about are her friends and the new adventures they will have when they are together. Along with the reader portion join Gemma in adventures of your own as you color in the coloring pages included at the end of the story.

The first human-alien contact. The last word in galactic warfare. The story you must read—before *Transformers* rockets to the big screen! A mammoth robotic being, clearly of alien origin, has been found beneath the Arctic ice. Its advanced engineering dwarfs known human

technology, and unlocking its secrets will catapult American science eons into the future. In search of the mysterious artifact's origin, a covert government agency sends the manned craft Ghost 1 on a perilous journey of discovery. When a mishap maroons Ghost 1 in the far reaches of unknown space, the ship's distress beacon reaches the very alien race Ghost 1's crew has been seeking: the Autobots. The gigantic mechanized beings are also on a quest: to find the Allspark, a device crucial to the salvation of their home world, Cybertron. But they're not alone. The Decepticons, the Autobots' brutal enemies, have their own sinister purposes in seeking the Allspark. As these adversaries are drawn together once more, the stage is set for a death-dealing new battle in which each is driven by a single-minded aim: total annihilation of the enemy.

Leaving the behind the imaginings of Deepgate, Alan Campbell introduces a new world, a new cast of characters in a novel that reads like a cross between Stephen Deas and Joe Abercrombie. With non-stop action, beautiful characterization and Alan's usual flair for imagination and lyrical writing, welcome to a world of water - where dragons are used as weapons and countries are separated by power, greed and fear... Thrown out of the Graveyard corps by a corrupt and weak emperor, Granger has to turn to running his own prison. It's not a lucrative business but if he keeps his head down, doesn't succumb to pity or morals then he may just survive. But when two unexpected prisoners enter his life then his world is turned upside down. Ianthe is young, blind and deaf - she can only see or hear through other people's senses. This makes her unique in a world held to ransom by the powerful Haurstaf - a sisterhood of telepaths who consider the young girl a threat to their power. She's also Granger's daughter...

"No one knows more about Israel's existential dilemma than Alan Dershowitz-or writes about it better. From its explosive beginning to its startling climax, *The Trials of Zion* excites and intrigues, even as it depicts the unique dangers of a lethal part of the world. This is a terrific novel." -- Richard North Patterson "For a legalist, mired for years in towers of ivory not even hewn from the teeth of endangered elephants but constructed, indeed, and solely, of the casuistic and notional, Mr. Dershowitz writes a real good rip-snoozer." -- David Mamet "A thought-provoking thriller set in two of the world's most gripping arenas of conflict, the Middle East and the courtroom." -- Steven Pinker, author of *The Stuff of Thought*, and Rebecca Newberger Goldstein, author of *36 Arguments for the Existence of God: A Work of Fiction* "As in all his essays, in his novel also, Alan Dershowitz demonstrates his great love for Israel as well as his inspired passion for Jewish memory, justice, and storytelling." -- Elie Wiesel A shocking act of terror brings the Middle East to the point of explosion. As the resulting political conflict threatens to erupt, a young Jewish-American lawyer joins the defense team of an arrested but possibly innocent Palestinian. Soon the lawyer's father, a famed criminal attorney, must win the Palestinian's case or risk losing his daughter forever. To do so, he must take into account the tormented history of the Holy Land from every possible angle. *The Trials of Zion* combines the tension of the greatest courtroom dramas with the action of a fast-moving thriller, all set against the colorful backdrop of one of the most complex cultural settings in the world. Filled with memorable characters, this novel offers readers not only compelling suspense, but a panoramic view of the history of a beloved and bitterly contested land, and a sharply controversial perspective on the sources of--and the possible solutions to--the world's longest and most crucial international crisis.

Now in its second edition *Maritime Economics* provides a valuable introduction to the organisation and workings of the global shipping industry. The author outlines the economic theory as well as many of the operational practicalities involved. Extensively revised for the new edition, the book has many clear illustrations and tables. Topics covered include: \* an overview of international trade \* Maritime Law \* economic organisation and principles \* financing ships and shipping companies \* market research and forecasting.

“Atkinson and Jewell invite each of us to reimagine one’s connection to the land while cultivating nature close to home. A must-read for anyone searching for inspired solutions for designing or refining a garden.” —Emily Murphy, founder of Pass the Pistil From windswept deserts to misty seaside hills and verdant valleys, the natural landscapes of the American West offer an astounding variety of climates for gardens. Under Western Skies reveals thirty-six of the most innovative designs—all embracing and celebrating the very soul of the land on which they grow. For the gardeners featured here, nature is the ultimate inspiration rather than something to be dominated, and Under Western Skies shows the strong connection each garden has with its place. Packed with Atkinson’s stunning photographs and illuminated by Jewell’s deep interest in the relationships between people and the spaces they inhabit, Under Western Skies offers page after page of encouraging ingenuity and inventive design for passionate gardeners who call the West home.

This book is open access under a CC BY NC ND 4.0 license. This open access book discusses how Norwegian shipping companies played a crucial role in global shipping markets in the 20th century, at times transporting more than ten per cent of world seaborne trade. Chapters explore how Norway managed to remain competitive, despite being a high labour-cost country in an industry with global competition. Among the features that are emphasised are market developments, business strategies and political decisions The Norwegian experience was shaped by the main breaking points in 20th century world history, such as the two world wars, and by long-term trends, such as globalization and liberalization. The shipping companies introduced technological and organizational innovations to build or maintain a competitive advantage in a rapidly changing world. The growing importance of offshore petroleum exploration in the North Sea from the 1970s was both a threat and an opportunity to the shipping companies. By adapting both business strategies and the political regime to the new circumstances, the Norwegian shipping sector managed to maintain a leading position internationally.

Since the publication of my books Elements of Shipping and more recently Economics of Shipping Practice and Management, both selling in over 130 countries, I have received numerous requests both from home and abroad for a companion volume on seaports. This book has been written to provide a practical, overall understanding of the elements of port operation and management of a competitive, ~profitable port authority. It reflects the author's many years of experience in port and ship management, international trade and education. It deals in simple language with the role and function of seaports in a trading pattern, port investment criteria, port tariffs, free ports and free trade zones, port traffic control, budgetary control and marketing, port management structure and dock labour, computerization, cargo-handling equipment, the economics of port design, the role of port cargo-handling organizations, the economics of international trade, finance of international trade, and many other aspects of this extensive subject. The importance of complete professionalism in all areas of port practice as a means of providing the viable, high quality service required to sustain and expand international trade cannot be overemphasized. This book will help towards establishing that professionalism. The material assembled here is intended not only for students preparing for seaport examinations, but also for persons employed in port authorities. In short, it is an aide-memoire to those engaged in the industry throughout the world and may be regarded as 'the port executive's handbook'.

Author, tutor and

The piecemeal fashion in which human factors research has been conducted in the maritime domain makes information retrieval available only by scanning through numerous research journals and conference papers. Bringing together human factors information from this and other domains, Human Factors in the Maritime Domain integrates a common body of knowledge into one single volume. The book provides the vital background information

necessary to acquire a core knowledge base and a much-needed overview of human factors within the maritime domain. It starts by putting the topic into an historical and theoretical context, moves onto more specific and detailed topics and contemporary thinking in human factors, then reviews new maritime technology. The authors take a holistic approach based on a model of the socio-technical system of work in the maritime domain. They synthesize available knowledge and research, then present in an easily acceptable framework with example, illustrations, and case studies whenever possible, making the text rigorous, useful, and enjoyable. The three authors draw on a range of diverse backgrounds including working as a maritime surveyor, transport consultant, human factors lecturer, and mechanical engineer. They have undertaken maritime research in Denmark, Australia, Malta, and the UK. They have published several other human factor books on related topics. This combination of human factors knowledge, maritime wisdom, and substantial publication experience results in a book that is effective and practical.

The definitive guide to maximizing ideas from employees presents true stories of management encouraging workers to share their ideas with profitable results for everyone. Reprint.

This book discusses theoretical approaches to the taxonomy of biological systems and theory and mathematical approaches to the problem of plant diversity, cultivation, and the environment. Particular attention is given to theoretical and practical problems of soil and the environmental sustainability of phytocoenosis, with the goal to enhance the productivity of agricultural crops: cereals, legumes, vegetables, and fruit. Providing valuable information on the distribution of chemical elements in the soil-plant system and on the migration of chemical elements in the food chain, this book looks at the composition of the soil and the distribution of elements in the soil-plant system that are manifested as adaptations of plant organism to environmental conditions. With chapters written by acknowledged scientists in the field of genetics, plant selection, ecology, and agro-economy, the book attempts, in many cases, to find consensus between the need to address ways to decrease the excess load on the environment and the need to provide adequately for the human population in agro-developed countries. This book also presents precision farming techniques, including the introduction of differentiated agrochemicals and considering variability of soil fertility and crop conditions. An important element for the conservation and adaptation of plant organism to environmental conditions is the use of physiologically active compounds.

What is the President, Congress, and the Supreme Court really allowed to do? This unique and handy guide includes the documents that guide our government, annotated with accessible explanations from one of America's most esteemed constitutional scholars. Known across the country for his appearance on The Daily Show with Jon Stewart, Professor Richard Beeman is one of the nation's foremost experts on the United States Constitution. In this book, he has produced what every American should have: a compact, fully annotated copy of the Declaration of Independence, the Constitution and amendments, all in their entirety. A marvel of accessibility and erudition, the guide also features a history of the making of the Constitution with excerpts from The Federalist Papers and a look at crucial Supreme Court cases that reminds us that the meaning of many of the specific provisions of the Constitution has changed over time. "Excellent . . . valuable and judicious." -Jill Lepore, The New Yorker

The development of international trade is driven by international logistics and management and the provision of the global supply chain. The ultimate objective of global supply chain management is to link the market place, distribution network, manufacturing/processing/assembly process, and procurement activity in such a way that customers are serviced at a higher level yet lower cost. Overall this has introduced a new breed of management in a computer literate environment operating in a global infrastructure. Addressing this complex topic, Alan Branch's new book fulfills two clear objectives: to provide a concise, standard work on the subject, written in lucid language that embraces all the

ingredients of a notoriously complex subject with a strategic focus to extol best practices and focus on all areas of the industrial and consumer sectors and their interface with changing international market needs. Until now, no book dedicated to international logistics and supply chain management was available. Practically-oriented, this book features numerous case studies and diagrams from logistic operators. An ideal resource for management students, academics and managers who need a succinct treatment of global operations, Branch's book skillfully illustrates his ideas in practice. It is a book which should be on the shelf of every practitioner and student of the subject. Also available from Routledge: Elements of Shipping, Eighth Edition, Alan E. Branch. (978-0-415-36286-3) Maritime Economics: Management and Marketing, Alan E. Branch. (978-0-748-73986-8)

The famous lawyer turns his attention to the nation's most important document, exploring the intellectual, religious, and political dimensions of the Declaration of Independence and charting its powerful role in shaping American history.

This book introduces a holistic approach to ship design and its optimisation for life-cycle operation. It deals with the scientific background of the adopted approach and the associated synthesis model, which follows modern computer aided engineering (CAE) procedures. It integrates techno-economic databases, calculation and multi-objective optimisation modules and s/w tools with a well-established Computer-Aided Design (CAD) platform, along with a Virtual Vessel Framework (VVF), which will allow virtual testing before the building phase of a new vessel. The resulting graphic user interface (GUI) and information exchange systems enable the exploration of the huge design space to a much larger extent and in less time than is currently possible, thus leading to new insights and promising new design alternatives. The book not only covers the various stages of the design of the main ship system, but also addresses relevant major onboard systems/components in terms of life-cycle performance to offer readers a better understanding of suitable outfitting details, which is a key aspect when it comes the outfitting-intensive products of international shipyards. The book disseminates results of the EU funded Horizon 2020 project HOLISHIP.

Do you have a real relationship with God, or do you just have a religion? Do you know God, or do you just know about God? In *How Big Is Your God?* Paul Coutinho, SJ, challenges us to grow stronger and deeper in our faith and in our relationship with God—a God whose love knows no bounds. To help us on our way, Coutinho introduces us to people in various world religions—from Hindu friends to Buddhist teachers to St. Ignatius of Loyola—who have shaped his spiritual life and made possible his deep, personal relationship with God.

Some 25 years has passed since the first edition of this book was published. Today it is regarded by many as standard work on the subject, and is retailing in over 175 countries. It is appropriate the sixth edition should be published at a time of great change in the international shipping industry. Opportunity has been taken particularly to enlarge the chapters on bills of lading, chartering, ships and their cargoes, containerization, and the international consignment. Additional illustrations have been provided especially on ship types. The sixth edition will be useful specifically for students taking courses sponsored by the Institute of Chartered Shipbrokers, Institute of Freight Forwarders, Institute of Export, Institute of Transport Administration, Institute of Physical Management, Chartered Institute of Transport, Institute of Bankers, Institute of Marine Engineers, Institute of Marketing, Institute of Road Transport Engineers and Chambers of Commerce. It will also be ideal for students taking shipping, export,

