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“A good read for anyone who wants to understand what actually determines whether a developing economy will succeed.” —Bill Gates, “Top 5 Books of the Year” An Economist Best Book of the Year from a reporter who has spent two decades in the region, and who the Financial Times said “should be named chief myth-buster for Asian business.” In *How Asia Works*, Joe Studwell distills his extensive research into the economies of nine countries—Japan, South Korea, Taiwan, Indonesia, Malaysia, Thailand, the Philippines, Vietnam, and China—into an accessible, readable narrative that debunks Western misconceptions, shows what really happened in Asia and why, and for once makes clear why some countries have boomed while others have languished. Studwell’s in-depth analysis focuses on three main areas: land policy, manufacturing, and finance. Land reform has been essential to the success of Asian economies, giving a kick-start to development by utilizing a large workforce and providing capital for growth. With manufacturing, industrial development alone is not sufficient, Studwell argues. Instead, countries need “export discipline,” a government that forces companies to compete on the global scale. And in finance, effective regulation is essential for fostering, and sustaining growth. To explore all of these subjects, Studwell journeys far and wide, drawing on fascinating examples from a Philippine sugar baron’s stifling of reform to the explosive growth at a Korean steel mill. “Provocative . . . *How Asia Works* is a striking and enlightening book . . . A lively mix of scholarship, reporting and polemic.” —The Economist In the visionary tradition of Rachel Carson’s *Silent Spring*, *One Square Inch of Silence* alerts us to beauty that we take for granted and sounds an urgent environmental alarm. Natural silence is our nation’s fastest-disappearing resource, warns Emmy-winning acoustic ecologist Gordon Hempton, who has made it his mission to record and preserve it in all its variety—before these soul-soothing terrestrial soundscapes vanish completely in the ever-rising din of man-made noise. Recalling the great works on nature written by John Muir, John McPhee, and Peter Matthiessen, this beautifully written narrative, co-authored with John Grossmann, is also a quintessentially American story—a road trip across the continent from west to east in a 1964 VW bus. But no one has crossed America like this. Armed with his recording equipment and a decibel-measuring sound-level meter, Hempton bends an inquisitive and loving ear to the varied natural voices of the American landscape—bugling elk, trilling thrushes, and drumming, endangered prairie chickens. He is an equally patient and perceptive listener when talking with people he meets on his journey about the importance of quiet in their lives. By the time he reaches his destination, Washington, D.C., where he meets with federal officials to press his case for natural silence preservation, Hempton has produced a historic and unforgettable sonic record of America. With the incisiveness of Jack Kerouac’s observations on the road and the stirring wisdom of Robert Pirsig repairing an aging vehicle and his life, *One Square Inch of Silence* provides a moving call to action. More than simply a book, it is an actual place, too, located in one of America’s last naturally quiet places, in Olympic National Park in Washington State. In 1990 David Kaufman decided to explore Peachtree Creek from its headwaters to its confluence with the Chattahoochee River. For thirteen years he paddled the creek, photographed it, and researched its history as the Atlanta area’s major watershed. The result is Peachtree Creek, a compelling mix of urban travelogue, local history, and call for conservation. Historical images and Kaufman’s evocative color photographs help capture the creek’s many faces, past and present. Most Atlantans only glimpse Peachtree Creek briefly, as they pass over it on their daily commute, if at all. Looking down on the creek from Piedmont or Peachtree Roads, few contemplate how it courses through the city, where it originates and flows to. Fewer still—many fewer—would ever consider paddling down it, with its pollution and flash floods. Through his expeditions down Peachtree Creek and its five tributaries—North Fork, South Fork, Clear Creek, Nancy Creek, and Tanyard Creek—Kaufman takes readers through such places as Piedmont and Chastain Parks, which, aside from the polluted water, are beautiful, even bucolic. Other stretches of creek, like those draining Midtown and Atlantic Station, are channeled into massive culverts and choked with discarded waste from the city. One day, floating past the Bobby Jones Golf Course, he surprises a golfer searching for his stray ball along the creek bank; another he spends talking to a homeless man living under a bridge near Buckhead. Kaufman reveals fascinating aspects of Atlanta by examining how Peachtree Creek shaped and was shaped by the history of the area. Street names like Moore’s Mill Road and Howell Mill Road take on new meaning. He explains the dynamics of water

run off that cause the creek to go from a trickle to a torrent in a matter of hours. Kaufman asks how a waterway that was once people's source of water, power, and livelihood became, at its worst, an open sewer and flooding hazard. Portraying some of our worst mishandling of the environment, Kaufman suggests ways to a more sustainable stewardship of Peachtree Creek. Shock Pao is the best. In the virtual world the Slip there's nothing he can't steal for the right price. Outside the Slip, though, he's a Fail – no degree, no job. So when his ex offers him a job, breaking into a corporate databank, he accepts—it's either that, or find himself a nice bench to sleep under. Amiga works for psychotic crime lord Twist Calhoun so when Shock's war comes to her, it's her job to bring him to Twist, dead or alive. This book provides a self-contained course in aircraft structures which contains not only the fundamentals of elasticity and aircraft structural analysis but also the associated topics of airworthiness and aeroelasticity. A comprehensive introduction to aircraft hydraulic systems and components and their applications, in which description and analysis are supported by worked examples, exercises, and numerical questions, thus allowing readers to gauge their progress in the subject. Winner of the Summerfield Book Award Winner of the Aviation-Space Writers Association Award of Excellence. --Over 30,000 copies sold, consistently the top-selling AIAA textbook title This highly regarded textbook presents the entire process of aircraft conceptual design from requirements definition to initial sizing, configuration layout, analysis, sizing, and trade studies in the same manner seen in industry aircraft design groups. Interesting and easy to read, the book has more than 800 pages of design methods, illustrations, tips, explanations, and equations, and extensive appendices with key data essential to design. It is the required design text at numerous universities around the world, and is a favorite of practicing design engineers. 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. From the reviews: "This book offers a coherent treatment, at the graduate textbook level, of the field that has come to be known in the last decade or so as computational geometry. The book is well organized and lucidly written; a timely contribution by two founders of the field. It clearly demonstrates that computational geometry in the plane is now a fairly well-understood branch of computer science and mathematics. It also points the way to the solution of the more challenging problems in dimensions higher than two." #Mathematical Reviews#1 "... This remarkable book is a comprehensive and systematic study on research results obtained especially in the last ten years. The very clear presentation concentrates on basic ideas, fundamental combinatorial structures, and crucial algorithmic techniques. The plenty of results is cleverly organized following these guidelines and within the framework of some detailed case studies. A large number of figures and examples also aid the understanding of the material. Therefore, it can be highly recommended as an early graduate text but it should prove also to be essential to researchers and professionals in applied fields of computer-aided design, computer graphics, and robotics." #Biometrical Journal#2 An introduction to the techniques and algorithms of the newest field in robotics. Probabilistic robotics is a new and growing area in robotics, concerned with perception and control in the face of uncertainty. Building on the field of mathematical statistics, probabilistic robotics endows robots with a new level of robustness in real-world situations. This book introduces the reader to a wealth of techniques and algorithms in the field. All algorithms are based on a single overarching mathematical foundation. Each chapter provides example implementations in pseudo code, detailed mathematical derivations, discussions from a practitioner's perspective, and extensive lists of exercises and class projects. The book's Web site, www.probablistic-robotics.org, has additional material. The book is relevant for anyone involved in robotic software development and scientific research. It will also be of interest to applied statisticians and engineers dealing with real-world sensor data. The pilot's guide to aeronautics and the complex forces of flight Flight Theory and Aerodynamics is the essential pilot's guide to the physics of flight, designed specifically for those with limited engineering experience. From the basics of forces and vectors to craft-specific applications, this book explains the mechanics behind the pilot's everyday operational tasks. The discussion focuses on the concepts themselves, using only enough algebra and trigonometry to illustrate key concepts without getting bogged down in complex calculations, and then delves into the specific applications for jets, propeller crafts, and helicopters. This updated third edition includes new chapters on Flight Environment, Aircraft Structures, and UAS-UAV Flight Theory, with updated craft examples, component photos, and diagrams throughout. FAA-aligned questions and regulatory references help reinforce important concepts, and additional worked problems provide clarification on complex topics. Modern flight control systems are becoming more complex and more varied between aircrafts, making it essential for pilots to understand the aerodynamics of flight before they ever step into a cockpit. This book provides clear explanations and flight-specific examples of the physics every pilot must know. Review the basic physics of flight Understand the applications to specific types of aircraft Learn why takeoff and landing entail special considerations Examine the force concepts behind stability and control As a pilot, your job is to balance the effects of design, weight, load factors, and gravity during flight maneuvers, stalls, high- or low-speed flight, takeoff and landing, and more. As aircraft grow more complex and the controls become more involved, an intuitive grasp of the physics of flight is your most valuable tool for operational safety. Flight Theory and Aerodynamics is the essential resource every pilot needs for a clear understanding of the

forces they control. 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. A groundbreaking introduction to vectors, matrices, and least squares for engineering applications, offering a wealth of practical examples. The most comprehensive coverage to date of Air France 447, an Airbus A330 that crashed in the ocean north of Brazil on June 1, 2009, killing all 228 persons on board. Written by A330 Captain, Bill Palmer, this book opens to understanding the actions of the crew, how they failed to understand and control the problem, and how the airplane works and the part it played. All in easy to understand terms. Addressed are the many contributing aspects of weather, human factors, and airplane system operation and design that the crew could not recover from. How each contributed is covered in detail along with what has been done, and needs to be done in the future to prevent this from happening again. Also see the book's companion website: UnderstandingAF447.com * A comprehensive study guide providing pilots the answers they need to excel on their technical interview * Features nearly 1000 potential questions (and answers) that may be asked during the technical interview for pilot positions * Wide scope--ranges from light aircraft through heavy jet operations * Culled from interviewing practices of leading airlines worldwide * Includes interviewing tips and techniques

The Aircraft Engineering Principles and Practice Series provides students, apprentices and practicing aerospace professionals with the definitive resources to take forward their aircraft engineering maintenance studies and career. This book provides a detailed introduction to the principles of aircraft electrical and electronic systems. It delivers the essential principles and knowledge required by certifying mechanics, technicians and engineers engaged in engineering maintenance on commercial aircraft and in general aviation. It is well suited for anyone pursuing a career in aircraft maintenance engineering or a related aerospace engineering discipline, and in particular those studying for licensed aircraft maintenance engineer status. The book systematically covers the avionic content of EASA Part-66 modules 11 and 13 syllabus, and is ideal for anyone studying as part of an EASA and FAR-147 approved course in aerospace engineering. All the necessary mathematical, electrical and electronic principles are explained clearly and in-depth, meeting the requirements of EASA Part-66 modules, City and Guilds Aerospace Engineering modules, BTEC National Units, elements of BTEC Higher National Units, and a Foundation Degree in aircraft maintenance engineering or a related discipline. An astonishingly free and frank eyewitness account of corruption, scandal, inefficiency, conspiracy, dishonesty, favouritism, misgovernance, and lack of transparency at the higher echelons of decision-making in the government. Written in a humorous style, the book contains stories of the kind of games played on the corridors of power and in various ministries. While all the major decisions are taken at the level of the ministers in charge and all the misdeeds are committed by the politicians, they conveniently escape responsibility, and the bureaucrats are invariably made the scapegoats. It is an irony of the system that the real culprits are never summoned or hauled up by the Public Accounts Committee. Not being able to withstand the pressure and the fear of brutal reprisals, good bureaucrats also fall in line, and good people start doing bad things. The author always thought he was a misfit in the system. The author looked back at his encounters in the Central Ministries with a sense of pride, a sense of fear, a sense of horror, a sense of helplessness, and a sense of frustration. Being a nonconformist from childhood, he did not agree to compromise with any minister, politician, or seniors on issues of principles and propriety. It became increasingly clear to him that no politician or a bureaucrat was interested in thinking of reforms, doing things for public good, or serving people with patriotic fervour. Greed and power had overtaken almost all politicians, making them arrogant, revengeful, and fearful people and a genre of superior species that had no connection with the common people.

Principles of Flight Simulation is a comprehensive guide to flight simulator design, covering the modelling, algorithms and software which underpin flight simulation. The book covers the mathematical modelling and software which underpin flight simulation. The detailed equations of motion used to model aircraft dynamics are developed and then applied to the simulation of flight control systems and navigation systems. Real-time computer graphics algorithms are developed to implement aircraft displays and visual systems, covering OpenGL and OpenSceneGraph. The book also covers techniques used in motion platform development, the design of instructor stations and validation and qualification of simulator systems. An exceptional feature of Principles of Flight Simulation is access to a complete suite of software (www.wiley.com/go/allerton) to enable experienced engineers to develop their own flight simulator – something that should be well within the capability of many university engineering departments and research organisations. Based on C code modules from an actual flight simulator developed by the author, along with lecture material from lecture series given by the author at Cranfield University and the University of Sheffield Brings together mathematical modeling, computer graphics, real-time software, flight control systems, avionics and simulator validation into one of the faster growing application areas in engineering Features full colour plates of images and photographs. Principles of Flight Simulation will appeal to senior and postgraduate students of system dynamics, flight control systems, avionics and computer graphics, as well as engineers in related disciplines covering mechanical, electrical and computer systems engineering needing to develop simulation facilities. Provides a Comprehensive Introduction to Aircraft Design with an Industrial Approach This book introduces readers to aircraft design, placing great emphasis on industrial practice. It includes worked

out design examples for several different classes of aircraft, including Learjet 45, Tucano Turboprop Trainer, BAe Hawk and Airbus A320. It considers performance substantiation and compliance to certification requirements and market specifications of take-off/landing field lengths, initial climb/high speed cruise, turning capability and payload/range. Military requirements are discussed, covering some aspects of combat, as is operating cost estimation methodology, safety considerations, environmental issues, flight deck layout, avionics and more general aircraft systems. The book also includes a chapter on electric aircraft design along with a full range of industry standard aircraft sizing analyses. Split into two parts, Conceptual Aircraft Design: An Industrial Approach spends the first part dealing with the pre-requisite information for configuring aircraft so that readers can make informed decisions when designing vessels. The second part devotes itself to new aircraft concept definition. It also offers additional analyses and design information (e.g., on cost, manufacture, systems, role of CFD, etc.) integral to conceptual design study. The book finishes with an introduction to electric aircraft and futuristic design concepts currently under study. Presents an informative, industrial approach to aircraft design Features design examples for aircraft such as the Learjet 45, Tucano Turboprop Trainer, BAe Hawk, Airbus A320 Includes a full range of industry standard aircraft sizing analyses Looks at several performance substantiation and compliance to certification requirements Discusses the military requirements covering some combat aspects Accompanied by a website hosting supporting material Conceptual Aircraft Design: An Industrial Approach is an excellent resource for those designing and building modern aircraft for commercial, military, and private use. 737NG Training Syllabus is a highly detailed, full color book virtually crammed with original graphics and thousands of words of descriptive text that will provide a complete training syllabus for persons wishing to learn to operate the 737NG jet airliner. While intended specifically for the Flight Simulation market, even professional airline pilots will find the information useful and informative. This is a guide intended to teach "simmers" how to fly the jet the way "the Pros do". Learning to fly the 737NG like a real pilot is a challenging and exciting adventure awaiting computer-pilots. However, as the increasing complexity of the ADD-ON airplane models blurs the boundary between Professional flight training and flight simulation "games", the task seems very difficult .. or even impossible. Captain Mike Ray's "737NG Training Syllabus" IS the document that will make this transition not only possible, but entertaining and ... well, a whole lot more simple. Written for the beginner as well as the veteran simmer, the profusely illustrated material is crammed with details, diagrams, explanations and useful information. The material starts slowly but builds to a crescendo. It includes a section for the "knows nothing" Ab-initio wannabe pilot and builds to provide information and operational procedures that will provide interesting and useful insight to even the professional airline pilot community. This beautiful and unique document provides the access toolset to the knowledge base that will allow the ordinary garden variety flight sim addict to cross the bridge between operating the current state of the art home based PC flight simulation programs and the real airline style simulator. This book is a MUST HAVE item for the 737NG computer pilot who wants to fly the incredibly accurate add-on airplanes as if they were real pilots. This paperback Black and White version of Captain Mike Ray's book on training to fly the 737NG is a great bargain. You get all the same information that is in the pricier (but more beautiful) color version ... and the same graphic and text that makes the volume such a popular item for both professional airline pilots as well as Flight Simmers. So get a copy ... and learn to fly the 737NG like the pros do. In this updated edition of The Hacked World Order, cybersecurity expert Adam Segal offers unmatched insight into the new, opaque global conflict that is transforming geopolitics. For more than three hundred years, the world wrestled with conflicts between nation-states, which wielded military force, financial pressure, and diplomatic persuasion to create "world order." But in 2012, the involvement of the US and Israeli governments in Operation "Olympic Games," a mission aimed at disrupting the Iranian nuclear program through cyberattacks, was revealed; Russia and China conducted massive cyber-espionage operations; and the world split over the governance of the Internet. Cyberspace became a battlefield. Cyber warfare demands that the rules of engagement be completely reworked and all the old niceties of diplomacy be recast. Many of the critical resources of statecraft are now in the hands of the private sector, giant technology companies in particular. In this new world order, Segal reveals, power has been well and truly hacked. An introduction to the engineering principles of embedded systems, with a focus on modeling, design, and analysis of cyber-physical systems. The most visible use of computers and software is processing information for human consumption. The vast majority of computers in use, however, are much less visible. They run the engine, brakes, seatbelts, airbag, and audio system in your car. They digitally encode your voice and construct a radio signal to send it from your cell phone to a base station. They command robots on a factory floor, power generation in a power plant, processes in a chemical plant, and traffic lights in a city. These less visible computers are called embedded systems, and the software they run is called embedded software. The principal challenges in designing and analyzing embedded systems stem from their interaction with physical processes. This book takes a cyber-physical approach to embedded systems, introducing the engineering concepts underlying embedded systems as a technology and as a subject of study. The focus is on modeling, design, and analysis of cyber-physical systems, which integrate computation, networking, and physical processes. The second edition offers two new chapters, several new exercises, and other improvements. The book can be used as a textbook at the advanced undergraduate or introductory

graduate level and as a professional reference for practicing engineers and computer scientists. Readers should have some familiarity with machine structures, computer programming, basic discrete mathematics and algorithms, and signals and systems. The plane bucked sideways, flinging Darryl against the cabin wall. It plunged vertically, jolted so hard that his teeth clacked together, then started skidding downwards through the sky. The screams rose to a frenzy. Then Darryl felt the aircraft turning, swinging towards the right. They were heading towards Mururoa. And towards the nuclear bomb waiting there. The bomb due to explode in fifty-seven minutes. It's 1974, and a dark, cold New Zealand winter. So when Darryl's mum announces she is going to the remote Pacific island of Mangareva for work, and she's taking him with her, he is thrilled. But even as Darryl soaks up the warmth and peaceful beauty of French Polynesia, his holiday is darkened by violent anti-nuclear protests. Plus there's Alicia, with her furious outbursts against all Pacific nuclear tests. Darryl knows she's talking rubbish. What he doesn't know is that when he boards Flight 766 to fly home, his life and the lives of others will be changed forever. Also available as an eBook Up-To-Date Coverage of Every Aspect of Commercial Aviation Safety Completely revised edition to fully align with current U.S. and international regulations, this hands-on resource clearly explains the principles and practices of commercial aviation safety—from accident investigations to Safety Management Systems. Commercial Aviation Safety, Sixth Edition, delivers authoritative information on today's risk management on the ground and in the air. The book offers the latest procedures, flight technologies, and accident statistics. You will learn about new and evolving challenges, such as lasers, drones (unmanned aerial vehicles), cyberattacks, aircraft icing, and software bugs. Chapter outlines, review questions, and real-world incident examples are featured throughout. Coverage includes: • ICAO, FAA, EPA, TSA, and OSHA regulations • NTSB and ICAO accident investigation processes • Recording and reporting of safety data • U.S. and international aviation accident statistics • Accident causation models • The Human Factors Analysis and Classification System (HFACS) • Crew Resource Management (CRM) and Threat and Error Management (TEM) • Aviation Safety Reporting System (ASRS) and Flight Data Monitoring (FDM) • Aircraft and air traffic control technologies and safety systems • Airport safety, including runway incursions • Aviation security, including the threats of intentional harm and terrorism • International and U.S. Aviation Safety Management Systems This "is a textbook that provides an introductory, thorough overview of aeronautical engineering, and it is aimed at serving as reference for an undergraduate course on aerospace engineering. The book is divided into three parts, namely: Introduction (The Scope, Generalities), The Aircraft (Aerodynamics, materials and Structures, Propulsion, Instruments and Systems, Flight Mechanics), and Air Transportation, Airports, and Air Navigation."-- This expanded and revised fourth edition of The Geography of Transport Systems provides a comprehensive and accessible introduction to the field with a broad overview of its concepts, methods and areas of application. Aimed mainly at an undergraduate audience, it provides an overview of the spatial aspects of transportation and focuses on how the mobility of passengers and freight is linked with geography. The book is divided in ten chapters, each covering a specific conceptual dimension, including networks, modes, terminals, freight transportation, urban transportation and environmental impacts, and updated with the latest information available. The fourth edition offers new material on the issues of transport and the economy, city logistics, supply chains, security, energy, the environment, as well as a revised content structure. With over 160 updated photographs, figures and maps, The Geography of Transport Systems presents transportation systems at different scales ranging from global to local and focuses on different contexts such as North America, Europe and East Asia. This volume is an essential resource for undergraduates studying transport geography, as well as those interested in economic and urban geography, transport planning and engineering. A companion web site, which contains additional material, has been developed for the book and can be found here: [http://people.hofstra.edu/geotrans/What is strategy?](http://people.hofstra.edu/geotrans/What%20is%20strategy/) For many it is the application of a theory, model or framework. In this book Spender develops a different creative approach. Emphasizing that firms face uncertainties and unknowns (knowledge gaps) he argues that the core of strategic thinking and processes rests on the organization's leaders developing newly imagined solutions to the opportunities that these uncertainties open up. Drawing on a wide range of ideas from strategy, economics, entrepreneurship and philosophy he stresses the importance of judgment in strategy, and argues that a key element of the entrepreneur and executive's task is to engage chosen uncertainties, develop a language to express and explain the firm's particular business model for dealing with these, and thus create innovation and value. At the same time he shows how the language the strategist creates to do this gives the firm identity and purpose, and communicates this to its members, stakeholders, and customers. In an accessible and engaging style Spender introduces these ideas, and reviews the strategy tools currently available from consultants and academics. Throughout he stresses the uncertainties or knowledge absences that pervade business and make effective strategizing both necessary and valuable. He outlines a structured practice that managers and consultants might chose to follow, not a theory. With appendices on casework, teaching strategy, current strategy texts, and further reading this book makes an important contribution to our understanding of the field and practice of strategy, opening up new approaches for managers, consultants, strategy teachers and students. From a former senior advisor to Senator John McCain comes an urgent wake-up call about how new technologies are threatening America's military might. For generations of Americans, our country has been the world's dominant military power.

How the US military fights, and the systems and weapons that it fights with, have been uncontested. That old reality, however, is rapidly deteriorating. America's traditional sources of power are eroding amid the emergence of new technologies and the growing military threat posed by rivals such as China. America is at grave risk of losing a future war. As Christian Brose reveals in this urgent wake-up call, the future will be defined by artificial intelligence, autonomous systems, and other emerging technologies that are revolutionizing global industries and are now poised to overturn the model of American defense. This fascinating, if disturbing, book confronts the existential risks on the horizon, charting a way for America's military to adapt and succeed with new thinking as well as new technology. America must build a battle network of systems that enables people to rapidly understand threats, make decisions, and take military actions, the process known as "the kill chain." Examining threats from China, Russia, and elsewhere, *The Kill Chain* offers hope and, ultimately, insights on how America can apply advanced technologies to prevent war, deter aggression, and maintain peace. Issued in earlier editions under the title *Practical aviation law*. *Nerves of Steel* is the captivating true story of Tammie Jo Shults's remarkable life—from growing up the daughter of a humble rancher, to breaking through gender barriers as one of the Navy's first female F/A-18 Hornet pilots, to safely landing the severely crippled Southwest Airlines Flight 1380 and helping save the lives of 148 people. Tammie Jo Shults has spent her entire life loving the skies. Though the odds were against her, she became one of the few female fighter pilots in the Navy. In 1994, after serving her country honorably for eight years, Tammie Jo left the Navy and joined Southwest Airlines in the early 1990's. On April 17, 2018, Tammie Jo was called to service once again. Twenty minutes into a routine domestic flight, Captain Shults was faced with the unthinkable—a catastrophic engine failure in the Boeing 737 caused an explosion that severed hydraulic and fuel lines, tearing away sections of the plane, puncturing a window, and taking a woman's life. Captain Shults and her first officer, Darren Ellisor, struggled to stabilize the aircraft. Drawing deeply from her well of experience, Tammie Jo was able to wrestle the severely damaged 737 safely to the ground. Not originally scheduled for that flight, there is no doubt God had prepared her and placed her right where she needed to be that day. *Aeronautical Engineer's Data Book* is an essential handy guide containing useful up to date information regularly needed by the student or practising engineer. Covering all aspects of aircraft, both fixed wing and rotary craft, this pocket book provides quick access to useful aeronautical engineering data and sources of information for further in-depth information. Quick reference to essential data Most up to date information available The study of human body measurements on a comparative basis is known as anthropometrics. Its applicability to the design process is seen in the physical fit, or interface, between the human body and the various components of interior space. *Human Dimension and Interior Space* is the first major anthropometrically based reference book of design standards for use by all those involved with the physical planning and detailing of interiors, including interior designers, architects, furniture designers, builders, industrial designers, and students of design. The use of anthropometric data, although no substitute for good design or sound professional judgment should be viewed as one of the many tools required in the design process. This comprehensive overview of anthropometrics consists of three parts. The first part deals with the theory and application of anthropometrics and includes a special section dealing with physically disabled and elderly people. It provides the designer with the fundamentals of anthropometrics and a basic understanding of how interior design standards are established. The second part contains easy-to-read, illustrated anthropometric tables, which provide the most current data available on human body size, organized by age and percentile groupings. Also included is data relative to the range of joint motion and body sizes of children. The third part contains hundreds of dimensioned drawings, illustrating in plan and section the proper anthropometrically based relationship between user and space. The types of spaces range from residential and commercial to recreational and institutional, and all dimensions include metric conversions. In the Epilogue, the authors challenge the interior design profession, the building industry, and the furniture manufacturer to seriously explore the problem of adjustability in design. They expose the fallacy of designing to accommodate the so-called average man, who, in fact, does not exist. Using government data, including studies prepared by Dr. Howard Stoudt, Dr. Albert Damon, and Dr. Ross McFarland, formerly of the Harvard School of Public Health, and Jean Roberts of the U.S. Public Health Service, Panero and Zelnik have devised a system of interior design reference standards, easily understood through a series of charts and situation drawings. With *Human Dimension and Interior Space*, these standards are now accessible to all designers of interior environments.