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Rigging, Hoisting, and Signaling Practices A Collection of Technical Papers Technical Guidance on the Safe Use of Lifting Equipment Offshore Fundamentals of Automotive Technology Technical Abstract Bulletin People Flow in Buildings Scientific and Technical Aerospace Reports Supplying Knowledge-Based Immigrants and Lifting Levels of STEM Visas Act Technical World Magazine NASA technical note Engineering Considerations for Lift-slab Construction Technical Report of the Advisory Committee for Aeronautics for the Year ... Technical Report Technical Report Technical Information Pilot Technical Note - National Advisory Committee for Aeronautics SAE Technical Paper Series Technical Manual, Operator and Organizational Maintenance Manual Application Manual for the Revised Niosh Lifting Equation Powered-lift Aircraft Technology Tactical Uses of Vertical Lift Aircraft NASA Tech Briefs Technological Innovation for Sustainability Aerodynamic Assessment of Flight-Determined Subsonic Lift and Drag Characteristics of Seven Lifting-Body and Wing-Body Reentry Vehicle Configurations Lift and Drag Characteristics of the HL-10 Lifting Body During Subsonic Gliding Flight Safety Inspection and Testing of Lifting Devices Technological Dictionary; English-Spanish and Spanish-English of Words and Terms Employed in the Applied Sciences, Industrial Arts, Fine Arts, Mechanics, Machinery, Mines, Metallurgy, Agriculture, Commerce, Navigation, Manufactures, Architecture, Commerce, Navigation, Manufactures, Architecture, Civil and Military Engineering, Marine, Military Art, Railroads, Telegraphs, Etc. Etc Greek and Roman Technology: A Sourcebook Dynamic Analysis of a Simple Reentry Maneuver for a Lifting Satellite High-Lift Aerodynamics EPA 600/2 Theoretical Examination of the Matrix of the Technical State of a Lifting Crane The Theory of Induced Lift and Minimum Induced Drag of Nonplanar Lifting Systems Tech Notes Fundamentals of High Lift for Future Civil Aircraft Engineering Classified Guide to Technical and Commercial Books The Theory of Induced Lift and Minimum Induced Drag of Nonplanar Lifting Systems Technical report on development of USES Aptitude Test Battery for Fork-Lift-Truck Operator (any ind.) 922.883 Aviation Week & Space Technology

Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database. "Engineering Considerations for Lift-Slab Construction is based on the work of the task committee; it addresses engineering requirements for lift-slab construction and presents recommendations to engineers, architects, and lift-slab contractors for its safe use."--Jacket. Rigging, Hoisting, and Signaling Practices is an introduction to the equipment, calculations, and procedures required for the safe handling and transportation of materials by hoists or cranes. This textbook is relevant for all personnel involved in lifting operations and can be used as part of a training program for certification preparation. Topics include industry standards and certifications, crane types and dynamics, signaling procedures, lift planning, weight and balance, sling loads, rigging components, equipment handling, hoists, and lifting procedures. This book presents a detailed look at high-lift aerodynamics, which deals with the aerodynamic behavior of lift augmentation means from various approaches. After an introductory chapter, the book discusses the physical limits of lift generation, giving the lift generation potential. It then explains what is needed for an aircraft to fly safely by analyzing the high-lift-related requirements for certifying an aircraft. Aircraft needs are also analyzed to improve performance during takeoff, approach, and landing. The book discusses in detail the applied means to increase the lift coefficient by either passive and active high-lift systems. It includes slotless and slotted high-lift flaps, active and passive vortex generating devices, boundary and circulation control, and powered lift. Describing methods that are used to evaluate and design high-lift systems in an aerodynamic sense, the book briefly covers numerical as well as experimental simulation methods. It also includes a chapter on the aerodynamic design of high-lift systems. FEATURES Provides an understanding of the physics of flight during takeoff and landing from aerodynamics to flight performance and from simulation to design Discusses the physical limits of lift generation, giving the lift generation potential Concentrates on the specifics of high-lift aerodynamics to provide a first insight Analyzes aircraft needs to improve performance during takeoff, approach, and landing Focuses on civil transport aircraft applications but also includes the associated physics that apply to all aircraft This book is intended for graduate students in aerospace programs studying advanced aerodynamics and aircraft design. It also serves as a professional reference for practicing aerospace and mechanical engineers who are working on aircraft design issues related to takeoff and landing. This book reports on the latest numerical and experimental findings in the field of high-lift technologies. It covers interdisciplinary research subjects relating to scientific computing, aerodynamics, aeroacoustics, material sciences, aircraft structures, and flight mechanics. The respective chapters are based on papers presented at the Final Symposium of the Collaborative Research Center (CRC) 880, which was held on December 17-18, 2019 in Braunschweig, Germany. The conference and the research presented here were partly supported by the CRC 880 on “Fundamentals of High Lift for Future Civil Aircraft,” funded by the DFG (German Research Foundation). The papers offer timely insights into high-lift technologies for short take-off and landing aircraft, with a special focus on aeroacoustics, efficient high-lift, flight dynamics, and aircraft design. This second edition has been redesigned and updated and provides technical information for those involved in the supply, operation and control of lifting equipment in the offshore environment. It shows how to apply the Lifting Operations and Lifting Equipment Regulations 1998, and the Provision and Use of Work Equipment Regulations Offshore. This guidance is aimed primarily at dutyholders, offshore installation managers, managers, supervisors, competent persons and operatives involved in the operation and safe use of lifting equipment offshore. It may also be of use to people working for contractors, equipment suppliers, safety representatives, verification bodies and equipment manufacturers. In this volume the authors translate and annotate key passages from ancient authors to provide a history and an analysis of the origins and development of technology. Among the topics covered are: * energy * basic mechanical devices * agriculture * food processing and diet * mining and metallurgy * construction and hydraulic engineering * household industry * transport and trade * military technology. The sourcebook presents 150 ancient authors and a diverse range of literary genres, such as, the encyclopedic Natural Histories of Pliny the Elder, the poetry of Homer and Hesiod, the philosophy of Plato, Aristotle and Lucretius and the agricultural treatise of Varro. Humphrey, Oleson and Sherwood provide a comprehensive and accessible collection of rich and varied sources to illustrate and elucidate the beginnings of technology. Glossaries of technological terminology, indices of authors and subjects, introductions outlining the general significance of the evidence, notes to explain the specific details, and a recent bibliography make this volume a valuable research and teaching tool. Resource added for the Automotive Technology program 106023. This book constitutes the refereed proceedings of the Second IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2011, held in Costa de Caparica, Portugal, in February 2011. The 67 revised full papers were carefully selected from numerous submissions. They cover a wide spectrum of topics ranging from collaborative enterprise networks to microelectronics. The papers are organized in topical sections on collaborative networks, service-oriented systems, computational intelligence, robotic systems, Petri nets, sensorial and perceptional systems, sensorial systems and decision, signal processing, fault-tolerant systems, control systems, energy systems, electrical machines, and electronics. Discover how to measure, control, model, and plan people flow within modern buildings with this one-stop resource from a leading professional People Flow in Buildings delivers a comprehensive and insightful description of people flow, analysis with software-based tools. The book offers readers an up-to-date overview of mathematical optimization methods used in control systems and transportation planning methods used to manage vertical and horizontal transportation. The text offers a starting point for selecting the optimal transportation equipment for new buildings and those being modernized. It provides insight into making passenger journeys pleasant and smooth, while providing readers with an examination of how modern trends in building usage, like increasingly tall buildings and COVID-19, effect people flow planning in buildings. People Flow in Buildings clearly defines the terms and symbols it includes and then moves on to deal with the measurement, control, modelling, and planning of people flow within buildings of all kinds. Each chapter contains an introduction describing its contents and the background of the subject. Included appendices describe measured passenger data and performed analyses. Readers will also benefit from the inclusion of: A thorough introduction to people-counting methods, including counting technology inside and outside buildings, passenger traffic components, and manual people-counting An examination of the passenger arrival process in building, including the Poisson arrival process and probability density function, and passenger arrivals in batches A consideration of daily vertical passenger traffic profiles, including two-way traffic profiles and the effects of inter-floor traffic An exploration of people flow solutions, including stairs, escalators, and elevators with collective and destination group control systems, as well as double-deck and multicar system People flow calculation and simulation models Elevator planning with ISO simulation method Elevator planning and evacuation of tall buildings Perfect for software designers in the private sector and academia, People Flow in Buildings will also earn a place in the libraries of elevator consultants, manufacturers, and architects who seek a one-stop reference for transportation devices from a functional and design perspective, as opposed to a hardware perspective. Includes a mid-December issue called Buyer guide edition. Includes its Reports, which are also issued separately. The basic theory of the induced lift and drag of nonplanar, circulation lifting systems is investigated, and conformal transformation and electrical-analog techniques are developed for determining the minimum induced drag of arbitrary systems. Several complex systems are analyzed to illustrate the procedures. Problems attending the practical application of the results to airfoil design are discussed and possible solutions suggested. Introduction -- Symbols -- Fundamental theoretical considerations -- The principle of vorticity attenuation -- The effective aspect ratio of nonplanar lifting systems -- Determination of the span loading distribution for minimum induced drag -- Solutions for the effective aspect ratio of optimally loaded arcs -- Solutions for more complex systems -- The induced lift of nonplanar systems -- Practical application considerations -- Concluding remarks -- References.

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