

Test Ingresso Ingegneria Biomedica

The purpose of the volume is to provide a support for a first course in Mathematics. The contents are organised to appeal especially to Engineering, Physics and Computer Science students, all areas in which mathematical tools play a crucial role. Basic notions and methods of differential and integral calculus for functions of one real variable are presented in a manner that elicits critical reading and prompts a hands-on approach to concrete applications. The layout has a specifically-designed modular nature, allowing the instructor to make flexible didactical choices when planning an introductory lecture course. The book may in fact be employed at three levels of depth. At the elementary level the student is supposed to grasp the very essential ideas and familiarise with the corresponding key techniques. Proofs to the main results befit the intermediate level, together with several remarks and complementary notes enhancing the treatise. The last, and farthest-reaching, level requires the additional study of the material contained in the appendices, which enable the strongly motivated reader to explore further into the subject. Definitions and properties are furnished with substantial examples to stimulate the learning process. Over 350 solved exercises complete the text, at least half of which guide the reader to the solution. This new edition features additional material with the aim of matching the widest range of educational choices for a first course of Mathematics.

Extensively revised from a successful first edition, this book features a wealth of clear illustrations, numerous worked examples, and many problem sets. It provides the quantitative perspective missing from more descriptive texts, without requiring an advanced background in mathematics, and as such will be welcomed for use in courses such as biomechanics and orthopedics, rehabilitation and industrial engineering, and occupational or sports medicine. Renowned for his student-friendly writing style, John McMurry introduces a new way to teach organic chemistry: *ORGANIC CHEMISTRY: A BIOLOGICAL APPROACH*. Traditional foundations of organic chemistry are enhanced by a consistent integration of biological examples and discussion of the organic chemistry of biological pathways. This innovative text is coupled with media integration through Organic ChemistryNow and Organic OWL, providing instructors and students the tools they need to succeed.

This book highlights selected papers presented at the 2nd International Symposium on Artificial Intelligence and Robotics 2017 (ISAIR2017), held in Nakamura Centenary Memorial Hall, Kitakyushu, Japan on November 25–26, 2017. Today, the integration of artificial intelligence and robotic technologies has become a topic of growing interest for both researchers and developers from academic fields and industries worldwide, and artificial intelligence is poised to become the main approach pursued in next-generation robotics research. The rapidly growing number of artificial intelligence algorithms and big data solutions has significantly extended the number of potential applications for robotic technologies. However, it also poses new challenges for the artificial intelligence community. The aim of this symposium is to provide a platform for young researchers to share the latest scientific achievements in this field, which are discussed in these proceedings.

This book enables readers to see the connections in organic chemistry and understand the logic. Reaction mechanisms are grouped together to reflect logical relationships. Discusses organic chemistry as it is applied to real-world compounds and problems. Electrostatic potential plots are added throughout the text to enhance the recognition and importance of molecular polarity. Presents problems in a new "Looking-Ahead" section at the end of each chapter that show how concepts constantly build upon each other. Converts many of the structural formulas to a line-angle format in order to make structural formulas both easier to recognize and easier to draw.

L'attività di manutenzione delle tecnologie biomediche sta evolvendo da una concezione di

pura operatività verso una vera e propria funzione manageriale volta alla riduzione dei rischi connessi all'uso dei dispositivi medici, alla diminuzione dei tempi di inutilizzo, alla prevenzione dei guasti ed alla garanzia della qualità delle prestazioni erogate. In tal modo si ottimizza la durata fisiologica del bene, contribuendo al miglioramento continuo del percorso assistenziale del paziente (inclusa la degenza media dell'episodio di ricovero) del cui iter diagnostico-terapeutico la tecnologia costituisce un fattore fondamentale. È quindi assolutamente imprescindibile che la manutenzione delle apparecchiature sia gestita in modo corretto ed efficace. Scopo di questo libro è quello di prospettare una panoramica di problemi diagnostici, terapeutici, clinici chirurgici, la cui risoluzione è legata a doppio filo alle apparecchiature elettromedicali oggi all'avanguardia, presenti nelle strutture sanitarie. Queste problematiche sono state affrontate con l'enunciazione delle relative: norme, verifiche, regolamenti, sicurezza, rischi, gestione dei rischi, manutenzioni, valutazioni e tanto altro cui far fede e da applicare con senso di estrema responsabilità, da figure con competenze specifiche di sicuro riferimento. Questo manuale è anche un compendio di studi, ricerche, progettazioni e pubblicazioni frutto della pluriennale esperienza maturata dall'autore nel campo dell'ingegneria medica e clinica. Il testo è rivolto sia agli "addetti ai lavori" che ai neolaureati in ingegneria biomedica per cui, se per i primi alcuni concetti sembreranno ovvi, per i neolaureati sarà una buona occasione per avvicinarsi a quelle apparecchiature elettromedicali con le quali non hanno ancora avuto la possibilità di avere un "approccio diretto". Nel testo sono stati riportati anche alcuni articoli così come pubblicati di recente dall'autore in riviste specialistiche.

This book is dedicated to the adoption of broadband microwave reflectometry (BMR)-based methods for diagnostics and monitoring applications. This electromagnetic technique has established as a powerful tool for monitoring purposes; in fact, it can balance several contrasting requirements, such as the versatility of the system, low implementation cost, real-time response, possibility of remote control, reliability, and adequate measurement accuracy. Starting from an extensive survey of the state of the art and from a clear and concise overview of the theoretical background, throughout the book, the different approaches of BMR are considered (i.e., time domain reflectometry - TDR, frequency domain reflectometry - FDR, and the TDR/FDR combined approach) and several applications are thoroughly investigated. The applications considered herein are very diverse from each other and cover different fields. In all the described procedures and methods, the ultimate goal is to endow them with a significant performance enhancement in terms of measurement accuracy, low cost, versatility, and practical implementation possibility, so as to unlock the strong potential of BMR.

This comprehensive reference work details the latest developments in fluorescence imaging and related biological quantification. It explores the most recent techniques in this imaging technology through the utilization and incorporation of quantification analysis which makes this book unique. It also covers super resolution microscopy with the introduction of 3D imaging and high resolution fluorescence. Many of the chapter authors are world class experts in this medical imaging technology.

The combination of readily available computing power and progress in numerical techniques has made nonlinear systems - the kind that only a few years ago were ignored as too complex - open to analysis for the first time. Now realistic models of living systems incorporating the nonlinear variation and anisotropic nature of physical properties can be solved numerically on modern computers to give realistically usable results. This has opened up new and exciting possibilities for the fusing of ideas from physiology and engineering in the burgeoning new field that is biomechanics. Computational Biomechanics presents pioneering work focusing on the areas of orthopedic and circulatory mechanics, using experimental results to confirm or improve

the relevant mathematical models and parameters. Together with two companion volumes, *Biomechanics: Functional Adaptation and Remodeling* and the *Data Book on Mechanical Properties of Living Cells, Tissues, and Organs*, this monograph will prove invaluable to those working in fields ranging from medical science and clinical medicine to biomedical engineering and applied mechanics.

Each chapter has three types of learning aides for students: open-ended questions, multiple-choice questions, and quantitative problems. There is an average of about 50 per chapter. There are also a number of worked examples in the chapters, averaging over 5 per chapter, and almost 600 photos and line drawings.

This book constitutes the refereed proceedings of the Second East European Symposium on Advances in Databases and Information systems, ADBIS '98, held in Poznan, Poland in September 1998. The 25 revised full papers presented were selected from a total of 90 submissions and six extended abstracts within a special section. "East meets West". The papers are organized in topical sections on query languages, optimization, collaborative systems, schema integration, storage and version management, object systems, knowledge discovery and the Web, and systems design. This unified modeling textbook for students of biomedical engineering provides a complete course text on the foundations, theory and practice of modeling and simulation in physiology and medicine. It is dedicated to the needs of biomedical engineering and clinical students, supported by applied BME applications and examples. Developed for biomedical engineering and related courses: speaks to BME students at a level and in a language appropriate to their needs, with an interdisciplinary clinical/engineering approach, quantitative basis, and many applied examples to enhance learning. Delivers a quantitative approach to modeling and also covers simulation: the perfect foundation text for studies across BME and medicine. Extensive case studies and engineering applications from BME, plus end-of-chapter exercises.

La Guida all'Università 2016/2017, aggiornata alla nuova offerta formativa, fornisce tutti gli strumenti per scegliere con consapevolezza il corso di laurea e mettersi alla prova con i test di ammissione. Il volume, organizzato in 3 sezioni, consente di: • autovalutarsi grazie a un questionario sulle attitudini personali; • conoscere tutte le università e individuare il corso di laurea più adatto; • identificare gli sbocchi lavorativi e le figure professionali per area di studio; • mettersi alla prova con i test di ammissione simulati specifici, completi di risposta corretta, così da verificare immediatamente la propria preparazione.

La Guida all'Università e ai test di ammissione 2020/2021, aggiornata alla nuova offerta formativa con una nuova sezione dedicata all'orientamento e nuove prove simulate, fornisce gli strumenti per conoscere tutti i corsi di laurea, scegliere con consapevolezza e mettersi alla prova con i test di ammissione. Le università sono suddivise per regione e numerate progressivamente, in modo da poterle reperire con facilità grazie all'indice geografico e all'indice delle università per classi di laurea. Il volume, completamente rivisto nella struttura, consente di: autovalutarsi grazie a un questionario di orientamento; conoscere il percorso formativo universitario; scoprire gli atenei regione per regione; identificare, grazie alle icone immediate, i corsi di laurea con programmazione nazionale e locale; simulare un test di ammissione, completo di soluzione, così da verificare la preparazione.

For more than half a century, Erwin Panofsky's Perspective as Symbolic Form has dominated studies of visual representation. Despite the hegemony of central projection, or perspective, other equally important methods of representation have much to tell us. Parallel projection can be found on classical Greek vases, in Pompeiian frescoes, in Byzantine mosaics; it returned in works of the historical avant-garde, and remains the dominant form of representation in China. In *Oblique Drawing*, Massimo Scolari investigates "anti-perspective" visual representation over two thousand years, finding in the course of his investigation that visual and conceptual representations are manifestations of the ideological and philosophical orientations of different cultures. Images prove to be not just a form of art but a form of thought, a projection of a way of life. Scolari's generously illustrated studies show that illusionistic perspective is not the only, or even the best, representation of objects in history; parallel projection, for example, preserves in scale the actual measurements of objects it represents, avoiding the distortions of one-point perspective. Scolari analyzes the use of nonperspectival representations in pre-Renaissance images of machines and military hardware, architectural models and drawings, and illustrations of geometrical solids. He challenges Panofsky's theory of Pompeiian perspective and explains the difficulties encountered by the Chinese when they viewed Jesuit missionaries' perspectival religious images. Scolari vividly demonstrates the diversity of representational forms devised through the centuries, and shows how each one reveals something that is lacking in the others.

Modelling the genesis and propagation of electrical activity in the heart in quantitative terms is one of the most important recent applications of mathematical modelling in biology. The main research direction, and the most important for biological and medical applications, is the development of realistic models of electrical activity in cardiac tissue and the whole mammalian heart. Recent progress in nonlinear dynamics, advances in computer technology and experiments on cardiac tissue have made feasible the construction of such models. *Computational Biology of the Heart* is the first book to provide a comprehensive survey of recent research together with a systematic overview of the subject. The contributions, all written by experts in the different areas of the subject, cover all main aspects of whole heart modelling: from excitation in single cells, to two and three dimensional models of cardiac tissue and the whole heart. Various computational models and techniques are described and then applied to reconstruct and visualise modelled activity in both normal and pathological heart tissues. The models are nonlinear and use techniques of ordinary differential equations, partial differential equations and eikonal equations. The book also provides a review of modelling cardiac contraction, mapping electrical activity from electrocardiograms, and recent experimental observations of wave propagation in the whole heart. Graduate students and researchers in such areas as applied mathematical biology, clinical physiology and cardiology will find this book to be an invaluable resource for their work.

To the newly qualified or student nurse, wound management often appears a daunting prospect. *Wound care* is an introductory guide that addresses this vital area of practice and educates students and practitioners in the general principles of wound care, as well as the techniques associated with the assessment, planning and management of different wound aetiologies. The authors begin by looking at key general principles including the physiology of wound healing and general principles of wound management, before going on to explore the management of both acute and chronic wounds, including leg ulcers, pressure ulcers and surgical wounds as well as care of peri-wound skin, pain management and quality of life issues. These vital aspects and principles of care are discussed within an up to date and evidence based context and provide the knowledge and skills necessary to enable the delivery of optimum patient wound care.

The development and use of medical and dental materials are highly interdisciplinary endeavors which require expertise in chemistry, materials science, medicine and/or dentistry,

mechanics and design engineering. The Symposium upon which this treatise is based was organized to bring members from these communities together to explore problems of mutual interest. The biomaterials which are used in medical or dental prostheses must not only exhibit structural stability and provide the desired function, but they must also perform over extended periods of time in the environment of the body. The latter is a very stringent requirement. The oral and other physiological environments are designed by nature to break down many organic substances. Also of importance is the requirement that materials used in the prosthesis not have a deleterious effect on body tissues. Most foreign (to the body) substances are somewhat toxic to human tissues; in fact, few factors are more limiting in the medical prosthesis field than the biocompatibility problem. Some of these problems and the attempts to solve them are discussed in this volume.

Part of the highly respected Master Techniques in Surgery series, *Colon and Rectal Surgery: Anorectal Operations*, 2nd Edition, provides the authoritative, up-to-date guidance you need to master both traditional techniques and innovative new procedures in colon and rectal surgery. Covering both basic and advanced procedures, this edition contains superbly illustrated, expertly written chapters covering virtually any colorectal surgical technique likely to be performed today. Each contributing author presents a real-world viewpoint on a particular surgery, and outstanding full-color illustrations provide visual support for every procedure.

"*Fundamentals of Tissue Engineering and Regenerative Medicine*" provides a complete overview of the state of the art in tissue engineering and regenerative medicine. Tissue engineering has grown tremendously during the past decade. Advances in genetic medicine and stem cell technology have significantly improved the potential to influence cell and tissue performance, and have recently expanded the field towards regenerative medicine. In recent years a number of approaches have been used routinely in daily clinical practice, others have been introduced in clinical studies, and multitudes are in the preclinical testing phase. Because of these developments, there is a need to provide comprehensive and detailed information for researchers and clinicians on this rapidly expanding field. This book offers, in a single volume, the prerequisites of a comprehensive understanding of tissue engineering and regenerative medicine. The book is conceptualized according to a didactic approach (general aspects: social, economic, and ethical considerations; basic biological aspects of regenerative medicine: stem cell medicine, biomolecules, genetic engineering; classic methods of tissue engineering: cell, tissue, organ culture; biotechnological issues: scaffolds; bioreactors, laboratory work; and an extended medical discipline oriented approach: review of clinical use in the various medical specialties). The content of the book, written in 68 chapters by the world's leading research and clinical specialists in their discipline, represents therefore the recent intellect, experience, and state of this bio-medical field.

This textbook describes the basic physics of semiconductors, including the hierarchy of transport models, and connects the theory with the functioning of actual semiconductor devices. Details are worked out carefully and derived from the basic physical concepts, while keeping the internal coherence of the analysis and explaining the different levels of approximation. Coverage includes the main steps used in the fabrication process of integrated circuits: diffusion, thermal oxidation, epitaxy, and ion implantation. Examples are based on silicon due to its industrial importance. Several chapters are included that provide the reader with the quantum-mechanical concepts necessary for understanding the transport properties of crystals. The behavior of crystals incorporating a position-dependent impurity distribution is described, and the different hierarchical transport models for semiconductor devices are derived (from the Boltzmann transport equation to the hydrodynamic and drift-diffusion models). The transport models are then applied to a detailed description of the main semiconductor-device architectures (bipolar, MOS, CMOS), including a number of solid-state sensors. The final chapters are devoted to the measuring methods for semiconductor-device

parameters, and to a brief illustration of the scaling rules and numerical methods applied to the design of semiconductor devices.

The current interest in developing novel materials has motivated an increasing need for biological and medical studies in a variety of clinical applications. Indeed, it is clear that to achieve the requisite mechanical, chemical and biomedical properties, especially for new bioactive materials, it is necessary to develop novel synthesis routes. The tremendous success of materials science in developing new biomaterials and fostering technological innovation arises from its focus on interdisciplinary research and collaboration between materials and medical sciences. Materials scientists seek to relate one natural phenomenon to the basic structures of the materials and to recognize the causes and effects of the phenomena. In this way, they have developed explanations for the changing of the properties, the reactions of the materials to the environment, the interface behaviors between the artificial materials and human tissue, the time effects on the materials, and many other natural occurrences. By the same means, medical scientists have also studied the biological and medical effects of these materials, and generated the knowledge needed to produce useful medical devices. The concept of biomaterials is one of the most important ideas ever generated by the application of materials science to the medical field. In traditional materials research, interest focuses primarily on the synthesis, structure, and mechanical properties of materials commonly used for structural purposes in industry, for instance in mechanical parts of machinery.

Guida all'università e ai test di ammissione 2020/2021 Orientamento, sedi, dipartimenti, corsi di laurea HOEPLI EDITORE

3rd International Conference on Materials Engineering and Nanotechnology (ICMEN 2018)

Selected, peer reviewed papers from the 3rd International Conference on Materials Engineering and Nanotechnology (ICMEN2018), July 19-21, 2018, Tokyo, Japan

Helps students to develop the thinking skills required for success in the BMAT, which is required by seven universities for entrance onto competitive courses, such as medicine and veterinary science.

Lo spirito indomito dell'uomo lo ha da sempre spinto a compiere imprese straordinarie.

Alfonso Aurilia, studente appassionato di fantascienza, incarna alla perfezione questo spirito. Il suo grande sogno, infatti, è quello di lavorare per la NASA e di contribuire all'esplorazione spaziale. Dopo aver conseguito il diploma scientifico a pieni voti, si iscrive al corso di ingegneria gestionale. Durante la frequentazione dei corsi stringe amicizia con Marco, un ragazzo simpatico e schietto, col quale fa coppia fissa. Le giornate al campus universitario trascorrono tra lezioni faticose e studio intenso. Le storie degli studenti si intrecciano, tra simpatie ed inimicizie, preoccupazioni e speranze. Una volta laureato, Alfonso invia il suo curriculum a diverse aziende aerospaziali. Viene notato dalla NASA, che lo invita per un tirocinio di sei mesi al Marshall Space Flight Center di Huntsville, in Alabama. Alfonso lascia non senza nostalgia la sua amata terra e la sua bella famiglia e si imbarca su di un aereo. Giunto ad Huntsville, viene condotto dal simpatico Ed Ross, addetto alla sicurezza del Marshall, al centro residenziale di Huntsville, laddove alloggerà per i futuri sei mesi. Il giorno dopo l'arrivo, Alfonso viene guidato assieme a George Grisham, un algido ingegnere britannico, al museo sullo spazio dello Space and Rocket Center. Al cospetto dello Shuttle Pathfinder, compie alcune riflessioni sull'universo, sulla possibile esistenza degli alieni e sul loro rapporto con le grandi istituzioni come Vaticano e governo statunitense. Parla del cosiddetto "Secretum Omega" e del misterioso pianeta Nibiru. Quindi si recano al Marshall, dove Alfonso va a colloquio col dottor Anderson, che gli spiega su cosa verterà il suo tirocinio. Dopo circa due mesi, durante un Halloween party, Alfonso conosce Mary Jane, che diventerà la sua futura moglie. Nel 2016, il fisico Hawking propone un progetto di invio di nano sonde verso Alpha Centauri per esplorare i segreti dell'esopianeta Proxima b, subito patrocinato dalla NASA. Dopo aver vinto ardite sfide ingegneristiche legate al progetto,

numerose nano sonde vengono inviate nello spazio. Anno 2045. Dopo più di vent'anni di viaggio, le sonde inviano sulla Terra immagini e dati sull'esopianeta Proxima b. Nella trepidante sala controllo del Marshall, Alfonso e George, ancora in servizio alla NASA, osservano le foto che mostrano chiaramente la presenza di vita intelligente sul pianeta. Il progetto Starshot ha dunque successo, ma gli alieni saranno ostili o benevoli nei confronti del genere umano? Tempo dopo, Alfonso nota dalla finestra di casa sua una strana formazione nel cielo che sembra dirigersi verso di lui.

This reference offers a step-by-step, "how-to approach on performing both open and arthroscopic surgeries for sports-related injuries of the knee, elbow, and shoulder. Leaders in sports medicine offer guidance on everything from patient positioning and the latest surgical techniques through pearls and pitfalls and post-operative care. A concise and consistent chapter format makes it easy to find the answers you need; and abundant illustrations help you to master even the most technically challenging procedures. Guides you through the latest open and arthroscopic techniques, including arthroscopic rotator cuff repair and hamstring and allograft ACL reconstruction, in one convenient resource. Features a consistent, step-by-step approach, with numerous tips, pearls, and pitfalls, to help you obtain optimal outcomes from each procedure. Includes abundant illustrations so you can see exactly how to perform every technique step by step.

The revised edition of this renowned and bestselling title is the most comprehensive single text on all aspects of biomaterials science. It provides a balanced, insightful approach to both the learning of the science and technology of biomaterials and acts as the key reference for practitioners who are involved in the applications of materials in medicine. Over 29,000 copies sold, this is the most comprehensive coverage of principles and applications of all classes of biomaterials: "the only such text that currently covers this area comprehensively" - Materials Today Edited by four of the best-known figures in the biomaterials field today; fully endorsed and supported by the Society for Biomaterials Fully revised and expanded, key new topics include of tissue engineering, drug delivery systems, and new clinical applications, with new teaching and learning material throughout, case studies and a downloadable image bank La scelta giusta. Orientarsi e mettersi alla prova. Poiché «gli esami non finiscono mai», come recita un noto adagio, i neodiplomati che vogliono proseguire gli studi devono affrontare un altro esame : il test di ammissione all'università. Prima ancora però del test di ammissione, tutti gli studenti devono scegliere il corso di laurea giusto e devono sapere se quel determinato corso di laurea prevede una prova di verifica. Questo libro nasce così dall'idea di orientare lo studente nella sua scelta. Ciò è reso possibile da: •un questionario conoscitivo sulle attitudini professionali; •un TrovaUniversità utile per scoprire le Università attive nella propria regione; •pratiche tabelle per scoprire gli sbocchi professionali per ciascuna area di studio; •11 esempi di prove simulate specifiche per area di studio per mettersi alla prova, tutte complete di soluzioni.

Given the strong current attention of orthopaedic, biomechanical, and biomedical engineering research on translational capabilities for the diagnosis, prevention, and treatment of clinical disease states, the need for reviews of the state-of-art and current needs in orthopaedics is very timely. Orthopaedic Biomechanics provides an in-depth review of the current knowledge of orthopaedic biomechanics across all tissues in the musculoskeletal system, at all size scales, and with direct relevance to engineering and clinical applications. Discussing the relationship between mechanical loading, function, and biological performance, it first reviews basic structure-function relationships for most major orthopedic tissue types followed by the most-relevant structures of the body. It then addresses multiscale modeling and biologic considerations. It concludes with a look at applications of biomechanics, focusing on recent advances in theory, technology and applied engineering approaches. With contributions from leaders in the field, the book presents state-of-the-art findings, techniques, and perspectives.

Much of orthopaedic, biomechanical, and biomedical engineering research is directed at the translational capabilities for the "real world". Addressing this from the perspective of diagnostics, prevention, and treatment in orthopaedic biomechanics, the book supplies novel perspectives for the interdisciplinary approaches required to translate orthopaedic biomechanics to today's real world.

1250.256

At the beginning of World War II, Prince Junio Valerio Borghese, dashing Italian nobleman, assembled the famous Decima MAS naval unit-the first modern naval commando squad. Borghese's "frogmen" were trained to fight undercover and underwater with small submarines and assault boats armed with a variety of destructive torpedoes. The covert tactics he and the Decima MAS developed, including the use of midget submarines, secret nighttime operations, and small teams armed with explosives, have become a standard for special forces around the world to this very day. After the Italian capitulation in 1943, Borghese determinedly fought on as a Fascist commando leader. After the war, he became a man of mystery, variously said to be involved with several right-wing conspiracies, abortive coups, and clandestine activity. The Prince's death in 1974 was every bit as mysterious as his life. Greene and Massignani have drawn upon official archives as well as information from Allied and Axis veterans in an unprecedented attempt to separate fact from fantasy in this detailed examination of Borghese, the Decima MAS, and the Italian naval special forces.

Human Motor Control is a elementary introduction to the field of motor control, stressing psychological, physiological, and computational approaches. Human Motor Control cuts across all disciplines which are defined with respect to movement: physical education, dance, physical therapy, robotics, and so on. The book is organized around major activity areas. A comprehensive presentation of the major problems and topics in human motor control incorporates applications of work that lie outside traditional sports or physical education teaching

[Copyright: c934a59d04e618fbfde824a7e5669143](#)