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NASA Technical Translation Springer Science & Business Media
Femme fatale Pola Negri (1897-1987) was one of the great stars of the silent film era, an actress whose personal story of hardships and successes, loves and tragedies is more compelling than most Hollywood dramas. Yet today she is largely overlooked, her name tarnished by myths and scandals. Taking a fresh look at her life and career, this book debunks the myths and gossip, presenting a candid portrait of one of the silent screen's most sensational leading ladies. Rare photographs are included, along with in-depth discussions of her films.

Mental Health Motion Pictures Springer Science & Business Media
Sport films have been central to American cinema, playing an increasingly important role in the communication of a commonsense understanding of race, gender, class, history, and social relations. Oddly, scholars have neglected sport films and their significance. Offering a comparative, theoretically grounded, and interdisciplinary approach, Visual Economies of/in Motion marks a novel and important point of departure in sport studies and cultural studies. It brings together a dozen essays on feature films and documentaries to probe the articulation of ideologies and identities, play and power, and sporting worlds and social fields. -- Amazon.com.

Principles of Engineering Mechanics
Princeton University Press
Current Catalog
The Emergence of Cinema Univ of California Press
The intelligent sports analysis of a soccer ball (also known as football, football ball, or association

football ball) requires accurately simulating its motion and finding the best design parameters. Employing classic mechanics, this book establishes a fundamental framework for the soccer ball multi-body dynamics modeling, virtual prototype simulation and optimization design. It presents 3D virtual prototypes to predict the soccer ball trajectory for soccer players and trainers. Five typical case studies have addressed in the kinematics and dynamics simulations of soccer ball projectile motion, free kick, and corner kick in the virtual environment. The research on multi-body dynamics models provides a useful method for engineers and scientists to investigate the spatial kinematics and dynamics performances of various balls, such as soccer ball, gulf ball, American football, etc. The book is significant to guide undergraduate and graduate students from multi-disciplines to study system dynamics and optimization design. .

Kinematics and Dynamics of Mechanical Systems
Duke University Press
Constitutes the quinquennial cumulation of the National union catalog... Motion pictures and filmstrips.

Electron Dynamics of Diode Regions World Scientific
This book has emerged from an undergraduate course as well as a graduate one, which I have taught for a number of years. Recently, many universities have experimented by bringing quantum theory forward in the curriculum and we follow their example. This book is intended to serve as an introduction to theoretical mechanics and quantum mechanics for chemists. I have included those parts of quantum mechanics which are of greatest fundamental

interest and utility, and have developed those parts of classical mechanics which relate to and illuminate them. I try to give a comprehensive treatment wherever possible. The book would acquaint chemists with the quantum structure of the basic object of chemistry, the atom. My intention is to bridge the gap between classical physics, general and inorganic chemistry, and quantum mechanics. For these reasons: 1. I present in one course the basics of theoretical mechanics and quantum mechanics, to emphasise the continuity between them; 2. I have chosen the topics of theoretical mechanics based upon two criteria: a) usefulness for chemical problems: two-body problem; rotational motion of a charged particles (free and in an atom); interaction of a magnetic field with a magnetic dipole; details of small oscillations and oscillations of molecules; b) the need for transition from classical to quantum mechanics: basics of Lagrangian mechanics; basics of Hamiltonian mechanics; 3. I give detailed explanation of an application of the quantum method to simple systems: one-dimensional potential, harmonic oscillator, hydrogen atom, and hydrog- like atoms.

National Union Catalog Bloomsbury Publishing
Listing of audiovisual materials catalogued by NLM. Items listed were reviewed under the auspices of the American Association of Dental Schools and the Association of American Medical Colleges, and are considered suitable for instruction. Entries arranged under MeSH subject headings. Entry gives full descriptive information and source. Also includes Procurement source section that gives addresses and telephone numbers of all sources.
Business Information Sources Ardent Media
Electron Dynamics of Diode Regions describes the model construction and analysis of motion of charged particles of diode regions in time-varying fields. The models analyzed are simplified versions of parts of practical devices, primarily active microwave devices, tubes, and semiconductor amplifiers, while the most striking results obtained are due to electron inertia and space-charge effects in terms of laboratory observable. This book is composed of seven chapters, and begins with an introduction to the general concepts of time dependent flow, including induced current, the techniques of linearization, calculating variational transit time, and obtaining equivalent circuits. The following chapters present the classical linear analysis, which includes the space-charge effects, with

several applications. These chapters also explore the existence of a maximum stable current in a space-charge limited diode. The discussion then shifts to the basics of high velocity, klystron, gap with nonuniform field distributions, and the application of the multicavity klystron. This text further covers the analysis and examples of crossed-field gaps. The final chapters deal with the fundamentals of velocity and current distributions obtained from common electron emitters, with some attempt to show how the multivelocity streams evolve into single-velocity equivalents needed for the methods of earlier chapters. Results of applying the Lagrangian starting analysis to semiconductor diode regions, necessarily from a new equation of motion, are also provided. This book is intended for graduate courses, seminars, and research studies.

Molecular Machines Springer Science & Business Media

Effectively Apply the Systems Needed for Kinematic, Static, and Dynamic Analyses and DesignA survey of machine dynamics using MATLAB and SimMechanics, Kinematics and Dynamics of Mechanical Systems: Implementation in MATLAB and SimMechanics combines the fundamentals of mechanism kinematics, synthesis, statics and dynamics with real-world application

Pola Negri McGraw-Hill Education

A Feminist Reader in Early Cinema marks a new era of feminist film scholarship. The twenty essays collected here demonstrate how feminist historiographies at once alter and enrich ongoing debates over visuality and identification, authorship, stardom, and nationalist ideologies in cinema and media studies. Drawing extensively on archival research, the collection yields startling accounts of women's multiple roles as early producers, directors, writers, stars, and viewers. It also engages urgent questions about cinema's capacity for presenting a stable visual field, often at the expense of racially, sexually, or class-marked bodies. While fostering new ways of thinking about film history, A Feminist Reader in Early Cinema illuminates the many questions that the concept of "early cinema" itself raises about the relation of gender to modernism, representation, and technologies of the body. The contributors bring a number of disciplinary frameworks to bear, including not only film studies but also postcolonial studies, dance scholarship, literary analysis, philosophies of the body, and theories regarding modernism and postmodernism. Reflecting the stimulating diversity of early cinematic styles, technologies, and narrative forms, essays address a range of topics—from the dangerous sexuality of the urban flâneuse to the childlike femininity exemplified by Mary Pickford, from the Shanghai film industry to Italian diva

films—looking along the way at birth-control sensation films, French crime serials, "war actualities," and the stylistic influence of art deco. Recurring throughout the volume is the protean figure of the New Woman, alternately garbed as childish tomboy, athletic star, enigmatic vamp, languid diva, working girl, kinetic flapper, and primitive exotic. Contributors. Constance Balides, Jennifer M. Bean, Kristine Butler, Mary Ann Doane, Lucy Fischer, Jane Gaines, Amelie Hastie, Sumiko Higashi, Lori Landay, Anne Morey, Diane Negra, Catherine Russell, Siobhan B. Somerville, Shelley Stamp, Gaylyn Studlar, Angela Dalle Vacche, Radha Vatsal, Kristen Whissel, Patricia White, Zhang Zhen

Principles of Engineering Mechanics McGraw-Hill Education

Includes entries for maps and atlases.

Films and Other Materials for Projection Peter Lang

Molecular Machines presents a dynamic new approach to the physics of enzymes and DNA from the perspective of materials science. Unified around the concept of molecular deformability—how proteins and DNA stretch, fold, and change shape—this book describes the complex molecules of life from the innovative perspective of materials properties and dynamics, in contrast to structural or purely chemical approaches. It covers a wealth of topics, including nonlinear deformability of enzymes and DNA; the chemo-dynamic cycle of enzymes; supramolecular constructions with internal stress; nano-rheology and viscoelasticity; and chemical kinetics, Brownian motion, and barrier crossing. Essential reading for researchers in materials science, engineering and nanotechnology, the book also describes the landmark experiments that have established the materials properties and energy landscape of large biological molecules. Molecular Machines is also ideal for the classroom. It gives graduate students a working knowledge of model building in statistical mechanics, making it an essential resource for tomorrow's experimentalists in this cutting-edge field. In addition, mathematical methods are introduced in the bio-molecular context—for example, DNA conformational transitions are used to illustrate the transfer matrix formalism. The result is a generalized approach to mathematical problem solving that enables students to apply their findings more broadly. Molecular Machines represents the next leap forward in nanoscience, as researchers strive to harness proteins, enzymes, and DNA as veritable machines in medicine, technology, and beyond.

McGraw Hill Professional

Separation of the elements of classical mechanics into

kinematics and dynamics is an uncommon tutorial approach, but the author uses it to advantage in this two-volume set. Students gain a mastery of kinematics first – a solid foundation for the later study of the free-body formulation of the dynamics problem. A key objective of these volumes, which present a vector treatment of the principles of mechanics, is to help the student gain confidence in transforming problems into appropriate mathematical language that may be manipulated to give useful physical conclusions or specific numerical results. In the first volume, the elements of vector calculus and the matrix algebra are reviewed in appendices. Unusual mathematical topics, such as singularity functions and some elements of tensor analysis, are introduced within the text. A logical and systematic building of well-known kinematic concepts, theorems, and formulas, illustrated by examples and problems, is presented offering insights into both fundamentals and applications. Problems amplify the material and pave the way for advanced study of topics in mechanical design analysis, advanced kinematics of mechanisms and analytical dynamics, mechanical vibrations and controls, and continuum mechanics of solids and fluids. Volume I of Principles of Engineering Mechanics provides the basis for a stimulating and rewarding one-term course for advanced undergraduate and first-year graduate students specializing in mechanics, engineering science, engineering physics, applied mathematics, materials science, and mechanical, aerospace, and civil engineering. Professionals working in related fields of applied mathematics will find it a practical review and a quick reference for questions involving basic kinematics.

Library of Congress Catalog McGraw-Hill Education

Boiled-down essentials of the top-selling Schaum's Outline series, for the student with limited time What could be better than the bestselling Schaum's Outline series? For students looking for a quick nuts-and-bolts overview, it would have to be Schaum's Easy Outline series. Every book in this series is a pared-down, simplified, and tightly focused version of its bigger predecessor. With an emphasis on clarity and brevity, each new title features a streamlined and updated format and the absolute essence of the subject, presented in a concise and readily understandable form. Graphic elements such as sidebars, reader-alert icons, and boxed highlights feature selected points from the text, illuminate keys to learning, and give students quick pointers to the essentials.

Motion Analysis of Soccer Ball Academic Press Dynamic Modeling of Musculoskeletal Motion introduces biomechanists to modern methods of modeling and analyzing dynamic biomechanical systems in three dimensions. Using vector kinematics, the reader is taught a systematic method which significantly reduces the complexity of working with multiple, moving limb segments in three dimensions. Operations which usually require the application of differential calculus are replaced by simple algebraic formulae. To derive dynamical equations of motion, a practical introduction to

Kane's Method is given. Kane's Method builds upon the foundation of vector kinematics and represents one of the most exciting theoretical developments of the modern era. Together, these techniques enable biomechanists to decipher and model living systems with great realism, efficiency and accuracy. Interwoven with the theoretical presentation are chapters and examples which highlight the subtle differences between inanimate linkages and the biomechanical systems we seek to understand.

Glencoe iScience: Motion, Forces, and Energy, Student Edition McGraw-Hill Education First multi-year cumulation covers six years: 1965-70.

Hollywood Soundscapes Elsevier This comprehensive book is based on the Navier-Stokes and other continuum equations for fluids. It interprets the analytical and numerical solutions of the equations of fluid motion. Topics included are turbulence, and how, why, and where it occurs; mathematical apparatus used for the representation and study of turbulence; continuum equations used for the analysis of turbulence; ensemble, time, and space averages as they are applied to turbulent quantities; the closure problem of the averaged equations and possible closure schemes; Fourier analysis and the spectral form of the continuum equations, both averaged and unaveraged; nonlinear dynamics and chaos theory.

Library of Congress Catalog: Motion Pictures and Filmstrips Univ of California Press Motion, Forces, and Energy, as a part of the Glencoe Science 15-Book Series, provides students with accurate and comprehensive coverage of forces and Newton s laws. The strong content coverage integrates a wide range of hands-on experiences, critical-thinking opportunities, and real-world applications. The modular approach allows you to mix and match books to meet your curricula.

Applied Mechanics Reviews Springer Nature Comprehensive text and reference covers modeling of physical systems in several media, derivation of differential equations of motion and related physical behavior, dynamic stability and natural behavior, more. 1967 edition.

National Medical Audiovisual Center Catalog McFarland Looks at the early years of the motion picture industry through 1907.