

Classic Set Lighting Diagram 479056

One of the most beloved vector graphic softwares among Web Designers is Adobe Illustrator. But getting to know all of its tools and features can be time consuming. With this eBook we try to ease the learning process for you. You will get to learn how to create graphics, transform a sketch into a vector, combine analog and digital techniques, prepare artwork for screen printing and also learn useful typography tips, all focusing on Adobe Illustrator. TABLE OF CONTENTS - Productive Web Design With. Adobe Illustrator? - Creating Graphs With Adobe Illustrator - Illustrators Live Trace: Sketch to Vector - Mixing Up Illustration: Combining Analog And Digital Techniques - Examples And Tips For Using Illustrators Warp Tools - Preparing Artwork for Screen Printing in Adobe Illustrator - Create a Cute Little Tiger in Illustrator - Useful Typography Tips For Adobe Illustrator

Fruit fly (Diptera: Tephritidae) pests have a profound impact on horticultural production and economy of many countries. It is fundamental to understand their biology and evaluate methods for their suppression, containment, or eradication. Area-Wide Management of Fruit Fly Pests comprises contributions from scientists from around the world on several species of tephritids working on diverse subjects with a focus on area-wide management of these pests. The first three sections of the book explore aspects of the biology, ecology, physiology, behavior, taxonomy, and morphology of fruit flies. The next two sections provide evidence on the efficacy of attractants, risk assessment, quarantine, and post-harvest control methods. The fifth and sixth sections examine biological control methods such as the Sterile Insect Technique and the use of natural enemies of fruit flies. The seventh section focuses on area-wide integrated pest management and action programs. Finally, the eighth section examines social, economic, and policy issues of action programs aimed at involving the wider community in the control of these pests and facilitate the development of control programs. Features: Presents information on the biology of tephritid flies. Provides knowledge on the use of natural enemies of fruit flies for their biological control. Includes research results on models and diets used for the Sterile Insect Technique. Reports developments on the chemical ecology of fruit flies that contribute to make control methods more specific and efficient. Reviews subjects such as Holistic Pest Management and Area-Wide Management Programs including social, economic, and policy issues in various countries. Results of research into large scale eigenvalue problems are presented in this volume. The papers fall into four principal categories: novel algorithms for solving large eigenvalue problems, novel computer architectures, computationally-relevant theoretical analyses, and problems where large scale eigenelement computations have provided new insight. By presenting problem solving in purposeful and meaningful contexts, *Mathematical Excursions, 2/e*, provides students in the Liberal Arts course with a glimpse into the nature of mathematics and how it is used to understand our world. Highlights of the book include the proven Aufmann Interactive Method and multi-part Excursion exercises that emphasize collaborative learning. An extensive technology program provides instructors and students with a comprehensive set of support tools. New! Content new to this edition includes a subsection on Reading and Interpreting Graphs, a section on Right Triangle Trigonometry, and a section on Stocks, Bonds, and Annuities. New! Online algebra review appendix helps students review prerequisite algebra concepts. An Excursion activity and corresponding Excursion Exercises conclude each section, providing concept reinforcement and opportunities for in-class cooperative work, hands-on learning, and development of critical-thinking skills. Aufmann Interactive Method ensures that students try concepts and manipulate real-life data as they progress through the material. Every objective contains at least one set of matched-pair examples, the first of which is a completely worked-out example with an annotated solution. The second problem, called Check Your Progress, is for the student to try. Each problem includes a reference to a fully worked-out solution in the back of the text. A section on Problem Solving Strategies in Chapter 1 introduces students to the inductive and deductive reasoning strategies they will use throughout the text. Question/Answer feature encourages students to pause and think about the current discussion and to answer the question. For immediate reinforcement, the Answer is provided in a footnote on the same page. Carefully developed exercise sets emphasize skill building, skill maintenance, concepts, and applications. Icons are used to identify various types of exercises, including writing, data analysis, graphing calculator, and web exercises. Extension exercises at the end of each exercise set include Critical Thinking, Cooperative Learning, and Explorations, which may require Internet or library research. Math Matters feature throughout the text helps to motivate students by demonstrating how and why math is applicable to contemporary, real-life situations. Variety of supporting margin notes includes Take Note, alerting students to a concept requiring special attention; Point of Interest, offering motivating contextual information; Historical Notes, providing background information or vignettes of individuals responsible for major advancements in their field; and Calculator Notes, providing point-of-use tips. Chapter-ending resources include a Chapter Summary with Key Words and Essential Concepts; Chapter Review Exercises (answers available in a special section), and a Chapter Test.

At head of title: World Health Organization, regional office for Europe.

This book should be of interest to statistics lecturers who want ready-made data sets complete with notes for teaching.

An Introduction to African Politics is the ideal textbook for those new to the study of this vast and fascinating continent. It makes sense of the diverse political systems that are a feature of Africa by using familiar concepts, chapter by chapter, to examine the continent as a whole. The result is a textbook that identifies the essential features of African politics, allowing students to grasp the recurring political patterns that have dominated this part of the world since independence. Features and benefits of the book include: * thematically organised, with individual chapters exploring issues such as colonialism, ethnicity, nationalism, social class, ideology, legitimacy, sovereignty, and democracy * identifies the key recurrent theme of competitive relationships between the African state, its civil society, and external interests * contains useful boxed case studies of key

countries at the end of each chapter, including: Kenya; Tanzania; Nigeria; Botswana; Ivory Coast; Uganda; Somalia; Ghana; Zaire; and Algeria * each chapter concludes with key terms and definitions as well as questions, advice on further reading, and useful notes and references * clearly and accessibly written by an experienced teacher of the subject. This book discusses current evidence on human viruses and provides an extensive coverage of newly emerged viruses and current strategies for treatment. Offering a new perspective in view of the re-emergence of Ebola in African countries and Dengue in India and Pakistan, the contents include chapters on emergence, pathogenicity, epidemiology and vaccine uptake. Human Viruses: Diseases, Treatments and Vaccines: The New Insights discusses a range of viruses from the most common such as Influenza and Hepatitis to Zika, Poliomyelitis and Chikungunya among many others. It is authored by a team of experts on viral disease and will be of immense use to virologists, public health experts and clinicians.

This book brings a comprehensive treatise about obesity, examining the measures that can be taken to stop and even reduce obesity if these right measures are taken in time. Recent studies show that obesity is on the increase at an alarming rate, especially in the industrialized and affluent countries. A number of reasons have been put forward for this increase, including life style choices, over-eating, over-use of commercially processed food, addiction for fast food, high caloric diet specially containing high levels of sugar and fat, lack of exercise and sedentary life style. Also genetic make up has been associated with obesity. Obesity can lead to a variety of lethal diseases, notably coronary heart disease, cancer and diabetes. These diseases account for the highest number of human death amongst all other causes. There are also a number of other side effects associated with obesity including increased stress, loss of intelligentsia, pancreatitis, premature birth and osteoarthritis. In recent years media have been playing important roles in highlighting the lethality and damage caused by obesity, nevertheless no significant effects can be seen in the population and obesity remains on the increase, especially amongst children. The editors believe that it is important that more education, campaign and research are used to stop this increasing disease.

"Depicting Basque mutual aid societies, language courses, musical and dance troupes, cuisine classes, community activities, sport, political involvement, and ties to homeland institutions are just a few of the ingredients which mix to compose the chapters of this work. Readers will learn about the history and reasons why Basques left the Pyrenees of northern Spain and southern France from the personal experiences of political and economic exiles' oral histories. Original archival research allows us to discover the features of the early 1900s Centro Vasco-Americano, the Basque Government-in-exile Delegation in New York, and the development of Basque organizations. "Basqueness" is being redefined in this transnational cosmopolitan community, and with the pioneer spirit of their ancestors, latter generation Basques are nurturing and promoting Basque culture and identity to the world."--BOOK JACKET.

This book constitutes the proceedings of the 4th International Conference on Mathematical Software, ICMS 2014, held in Seoul, South Korea, in August 2014. The 108 papers included in this volume were carefully reviewed and selected from 150 submissions. The papers are organized in topical sections named: invited; exploration; group; coding; topology; algebraic; geometry; surfaces; reasoning; special; Groebner; triangular; parametric; interfaces and general.

Three men, sworn enemies, vie for sway over the girl witch--a blue-eyed innocent--who is to rule over the Dark Kingdom, commencing a ruthless game of politics, magic and betrayal, in which the weapons are love and hate. Original.

This book is about the roles and importance of Ultraviolet (UV) light from sun and from man-made UV lamps in our daily life, on health and diseases, also its application in sterilization and treatment. The key words are: reactive oxygen species, DNA damage, UV mutagenicity, skin cancers, polymorphous light eruption, Xeroderma pigmentosum, vitiligo, psoriasis, rheumatoid arthritis, diabetes mellitus, metabolic syndromes, cardiovascular diseases, dermatology, photobiology, photodermatosis, vitamin D synthesis, vitamin D efficiency, water sterilization, blood sterilization, phototherapies, skin tanning and UV dosimeter. The book starts with introduction to UV light and the history of development of UV lamps and its applications. It then moves to describing the interaction of this light with biological components and the production of reactive oxygen species, their roles in cell signaling, cellular defense from foreign invaders, in mutagenesis leading to skin diseases including vitiligo, polymorphous light eruption and various forms of skin cancer. Then it presents the synthesis and importance of UV light and diseases, induced due to the deficiency of vitamin D. Roles of UV light in sterilization, disinfection, phototherapies are depicted in the next part and finally use and abuse of UV light in tanning salon and the availability and importance of use of UV dosimeter are highlighted. The three main focuses of this book are: - Damage to biological systems by UV light leading to certain skin diseases; most importantly skin cancers. - Importance of UV light in the in vivo synthesis of vitamin D when human bodies are exposed to it. - Diseases caused due to the deficiency of vitamin D and the use of UV lamps in phototherapy and sterilization processes. The editor has considerable experience in publishing medical books and has used it critically selecting the matters which will attract the readers from many areas of medical and non-medical fields. It is hoped that the materials presented in this book will give great benefit and will stimulate both novice and expert researchers in the field. The book gives excellent overviews of the current status of research and pointers to the future research achievements. Clinicians, medical general practitioners, technicians and staff working in UV related industries and especially those working in tanning salon should benefit from the information presented in safe handling of this light.

This volume provides a survey of current research problems and results in humanitarian operations research. Additionally, it discusses existing applications of humanitarian operations research, and considers new research efforts that clearly extend existing research and applications. The book is divided into three sections that provide an overview of the subject, a look at the theory, and an examination of applications. The overview section presents chapters on modeling approaches and metrics to evaluate nonprofit

operations; chief findings of fieldwork research in disaster response logistics; the use of cash as a form of relief; and measuring markets that supply cash-based humanitarian interventions. The theory section includes chapters that examine the partner proliferation problem in disaster response networks; a case study of humanitarian logistics that examines how humanitarian culture informs change adoption; and a look at the current state of the art for information visibility in humanitarian operations. Finally, the application section focuses on blood products, vaccines, and food assistance, with individual chapters on efficient inventorying and distribution of blood products during disasters; a detailed look at modeling in the context of the vaccine supply chain; a framework for achieving equity, effectiveness, and efficiency in food bank operations; and a spatio-temporal vulnerability assessment of the resilience of a population affected by sudden lack of food.

Friend of the Artist is a platform dedicated to showcasing the work of extremely talented emerging artists from around the world. Each volume is unique and features a diversity of aesthetics and ideas. Our printed books are curated by experienced jurors, who work together to carefully select the top artists' works. During these unusual times when social norms continue to evolve, we find this particular volume of FOA to be important to the overall practice of viewing art. As more galleries have taken exhibitions online, making art interactions a "visual only" experience, the gift of standing before a work of art as it sits in context to its surroundings has become far less taken for granted. We feel that through FOA's printed volumes, we can continue to provide a physical encounter for the viewer to not only take in the works in a tactile form, but they can also experience them in context to other carefully curated works that surround them in the pages of the volume. Within the pages of FOA's Volume 12, we are proud to feature 40 artists from 9 different countries who work in multiple mediums, thanks to the panel of experienced jurors from around the globe including Natasha Arselan, Adrian Zuñiga, Roya Sachs, and Justin Archer. Interest in arsenic in ground water has greatly increased in the past decade because of the increased awareness of human health effects and the costs of avoidance or treatment of ground water supplies used for consumption. The goal of this book is to provide a description of the basic processes that affect arsenic occurrence and transport by providing sufficient background information on arsenic geochemistry and descriptions of high-arsenic ground water, both affected and unaffected by human activity. An understanding of thermodynamics, adsorption, and the speciation of arsenic in solid phases, which are described in first three chapters, is needed to predict the fate of arsenic in ground water systems. Large-scale and deep movement of ground water can and has redistributed arsenic in the near surface environment, as described in the next two chapters. These large-scale systems can affect large volumes of both ground water and surface water, such as in the Yellowstone system, and can produce mineralised zones that subsequently release arsenic to ground water supplies. Regional identification of high-arsenic ground water and its consumption as described in the next three chapters clearly demonstrates a need for increased water quality monitoring, particularly in south and southeast Asia. Chapters 9-11 provide examples of high arsenic ground water associated with sulfide mineral oxidation and alkaline conditions. Finally, smaller scale studies of the effects of human activities that have produced high-arsenic ground water and methods for attenuation of ground water are presented.

After a successful career in centreboard racing dinghies, Ian Oughtred became one of the leading lights of the British wooden boat revival, designing, building and sailing many remarkable craft. These boats have gained a world-wide reputation for their elegance of line, sound construction and excellent sailing performance. His perfectionist approach may be unbusinesslike, but provides highly refined designs and detailed plans. In this he hopes to encourage a return to a deep appreciation of traditional values of craftsmanship, believing this is the vital part of the true education, and thus helps to nourish the human spirit in an impoverished age.

Shipping is by far the most significant mode of transportation for the carriage of freight. In terms of volume alone, no other mode comes close. Its dominance is even more overwhelming when distances are accounted for. This book is concerned with the economics of this pivotal mode of transportation. It reveals that the influences on the development and current state of shipping economics research are extremely eclectic. The various chapters in the book represent areas that are of central concern to ongoing research in the field. As such, the book is useful to students, researchers, industrialists, policy makers and consultants. The authors of the contributed chapters are some of the leading names in the world of shipping economics, addressing a number of diverse areas: The econometric modeling of shipping markets; Shipping finance (a critical issue in such a capital intensive industry); Fiscal policy (and its impact on an international industry with great asset mobility) and Safety and security (aspects that have risen to prominence with increasing concerns over the environment and international terrorism). Ultimately, while shipping as a business depends upon trade, it is absolutely certain that the business of trade depends upon shipping. The final two chapters, therefore, incorporate aspects of network economics, welfare economics and international trade theory to analyze where and how shipping sits within the wider perspective of industrial supply chains. Professor Kevin Cullinane, BA BSc MSc PhD FCILT CNI Professor Kevin Cullinane is Chair in Marine Transport and Management at the University of Newcastle in the U.K. He was previously Professor and Head of the Department of Shipping and Transport Logistics at the Hong Kong Polytechnic University, Head of the Centre for International Shipping and Transport at Plymouth University, Senior Partner in his own transport consultancy company and Research Fellow at the University of Oxford Transport Studies Unit. He is a Fellow of the Chartered Institute of Logistics and Transport and has been a transport adviser to the governments of Hong Kong, Egypt, Chile and the U.K. He holds visiting Professorships at a number of institutions and an Honorary Professorship at the University of Hong Kong.

The number of people in South Asia's cities rose by 130 million between 2000 and 2011--more than the entire population of Japan. This was linked to an improvement in productivity and a reduction in the incidence of extreme poverty. But the region's cities have struggled to cope with the pressure of population growth on land, housing, infrastructure, basic services, and the environment. As a result, urbanization in South Asia remains underleveraged in its ability to deliver widespread improvements in both prosperity and livability. Leveraging Urbanization in South Asia is about the state of South Asia's urbanization and the market and policy failures that have taken the region's urban areas to where they are today--and the hard policy actions needed if the region's cities are to leverage urbanization better. This publication provides original empirical and diagnostic analysis of urbanization and related economic trends in the region. It also discusses in detail the key policy areas, the most fundamental being urban governance and finance, where actions must be taken to make cities more prosperous and livable.

As life expectancy rates continue to increase in many countries around the world, comparative health assessments based on mortality rates alone give an increasingly inadequate picture of public health. This publication addresses a wide range of key issues regarding the measurement of population health using comprehensive indices which combine data on mortality and ill-health. It considers the various uses of such summary measures, as well as an appropriate measurement framework and specific ethical and social value choices involved. The contributors to this book include leading experts in epidemiological methods, ethics, health economics, health status measurement and the valuation of health states.

An investigation into the specifics of Basque migrations, cultural representations, diasporic politics, and ethnonationalism, using theories from sociology, political science, history, and anthropology. Distributed for the Center for Basque Studies.

This book is the founding title in the Grammenos Library. The diversity of the subjects covered is unique and the results of research developed over many years are not only comprehensive, but also have

important implications on real life issues in maritime business. The new edition covers a vast number of topics, including: • Shipping Economics and Maritime Nexus • International Seaborne Trade • Economics of Shipping Market and Shipping Cycles • Economics of Shipping Sectors • Issues in Liner Shipping • Economics of Maritime Safety and Seafaring Labour Market • National and International Shipping Policies • Aspects of Shipping Management and Operations • Shipping Investment and Finance • Port Economics and Management • Aspects of International Logistics

Daughter of the BloodPenguin

The effective use of educational assessments is fundamental to improving learning. However, effective use does not refer only to the technical parameters or statistical methodologies. Learning assessments in use today whether large-scale or household surveys or hybrid (smaller, quicker, cheaper or SQC) have varied uses and purposes. The present volume provides a review of learning assessments, their status in terms of the empirical knowledge base, and some new ideas for improving their effectiveness, particularly for those children most in need. It is argued here that SQC learning assessments have the potential to enhance educational accountability, increase transparency, and support a greater engagement of stakeholders with an interest in improving learning. In addition, countries need a sustained policy to guide assessment choices, including a focus on poor and marginalized populations.

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

MATHEMATICAL EXCURSIONS, Third Edition, teaches students that mathematics is a system of knowing and understanding our surroundings. For example, sending information across the Internet is better understood when one understands prime numbers; the perils of radioactive waste take on new meaning when one understands exponential functions; and the efficiency of the flow of traffic through an intersection is more interesting after seeing the system of traffic lights represented in a mathematical form. Students will learn those facets of mathematics that strengthen their quantitative understanding and expand the way they know, perceive, and comprehend their world. We hope you enjoy the journey. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The research and its outcomes presented in this collection focus on various aspects of high-performance computing (HPC) software and its development which is confronted with various challenges as today's supercomputer technology heads towards exascale computing. The individual chapters address one or more of the research directions (1) computational algorithms, (2) system software, (3) application software, (4) data management and exploration, (5) programming, and (6) software tools. The collection thereby highlights pioneering research findings as well as innovative concepts in exascale software development that have been conducted under the umbrella of the priority programme "Software for Exascale Computing" (SPPEXA) of the German Research Foundation (DFG) and that have been presented at the SPPEXA Symposium, Jan 25-27 2016, in Munich. The book has an interdisciplinary appeal: scholars from computational sub-fields in computer science, mathematics, physics, or engineering will find it of particular interest.

The commander of the Army virology unit that battled the Ebola virus, now a top official at the Centers for Disease Control, looks back on his thirty-year career fighting deadly viruses

Current understandings of the sublime are focused by a single word ('sublimity') and by a single author ('Longinus'). The sublime is not a word: it is a concept and an experience, or rather a whole range of ideas, meanings and experiences that are embedded in conceptual and experiential patterns. Once we train our sights on these patterns a radically different prospect on the sublime in antiquity comes to light, one that touches everything from its range of expressions to its dates of emergence, evolution, role in the cultures of antiquity as a whole, and later reception. This book is the first to outline an alternative account of the sublime in Greek and Roman poetry, philosophy, and the sciences, in addition to rhetoric and literary criticism. It offers new readings of Longinus without privileging him, but instead situates him within a much larger context of reflection on the sublime in antiquity.

This open access book summarizes the research done and results obtained in the second funding phase of the Priority Program 1648 "Software for Exascale Computing" (SPPEXA) of the German Research Foundation (DFG) presented at the SPPEXA Symposium in Dresden during October 21-23, 2019. In that respect, it both represents a continuation of Vol. 113 in Springer's series Lecture Notes in Computational Science and Engineering, the corresponding report of SPPEXA's first funding phase, and provides an overview of SPPEXA's contributions towards exascale computing in today's supercomputer technology. The individual chapters address one or more of the research directions (1) computational algorithms, (2) system software, (3) application software, (4) data management and exploration, (5) programming, and (6) software tools. The book has an interdisciplinary appeal: scholars from computational sub-fields in computer science, mathematics, physics, or engineering will find it of particular interest.

Fabricated tells the story of 3D printers, humble manufacturing machines that are bursting out of the factory and into schools, kitchens, hospitals, even onto the fashion catwalk. Fabricated describes our emerging world of printable products, where people design and 3D print their own creations as easily as they edit an online document. A 3D printer transforms digital information into a physical object by carrying out instructions from an electronic design file, or 'blueprint.' Guided by a design file, a 3D printer lays down layer after layer of a raw material to 'print' out an object. That's not the whole story, however. The magic happens when you plug a 3D printer into today's mind-boggling digital technologies. Add to that the Internet, tiny, low cost electronic circuitry, radical advances in materials science and biotech and voila! The result is an explosion of technological and social innovation. Fabricated takes the reader onto a rich and fulfilling journey that explores how 3D printing is poised to impact nearly every part of our lives. Aimed at people who enjoy books on business strategy, popular science and novel technology, Fabricated will provide readers with practical and imaginative insights to the question 'how will this technology change my life?' Based on hundreds of hours of research and dozens of interviews with experts from a broad range of industries, Fabricated offers readers an informative, engaging and fast-paced introduction to 3D printing now and in the future.

Imagine planning an event like the Olympics. Now imagine planning the same event but not knowing when or where it will take place, or how many will attend. This is what

humanitarian logisticians are up against. Oversights result in serious consequences for the victims of disasters. So they have to get it right, fast.

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