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The Impossibility of Religious Freedom Symbols of American Libraries Using Visual C++ 6 The Basilica of S. Mark in Venice The Basilica of S. Mark in Venice Historia Numorum Official Gazette of the United States Patent and Trademark Office Scientific and Technical Acronyms, Symbols, and Abbreviations Symbols As Power RoboCup 2001: Robot Soccer World Cup V Mastering Autodesk Inventor 2020 The Complete Encyclopedia of Signs and Symbols Journal of VLSI Signal Processing Systems for Signal, Image, and Video Technology Cyclopaedia of Biblical, Theological, and Ecclesiastical Literature 5G System Design The Relationship of Sexual Symbol Identification and Preference to Neuroticism and Extraversion-introversion The Ultimate Illustrated Guide to Dreams, Signs and Symbols Agile Web Development with Rails 5.1 Products Liability Law Code of Federal Regulations The Mechanisms of Reactions Influencing Atmospheric Ozone Digital Libraries: The Era of Big Data and Data Science Functional Programming Languages and Computer Architecture Handbook of Cultural Politics and Education Customs Bulletin and Decisions Modern Compiler Implementation in Java Music Navigation with Symbols and Layers Adobe Animate 2022 for Creative Professionals Unifying the Philosophy of Truth Organizational Rhetoric Artificial Intelligence and Computational Intelligence The Complete Encyclopedia of Signs & Symbols Instrumentation Symbols and Identification Shipboard Automatic Identification System Displays Theories of Human Communication Electronic Drafting and Design NEC Research & Development The Illustrated Encyclopedia of Signs & Symbols SVG Essentials The I and Being Human

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Functional Programming Languages and Computer Architecture Dec 10 2020 This book offers a comprehensive view of the best and the latest work in functional programming. It is the proceedings of a major international conference and contains 30 papers selected from 126 submitted. A number of themes emerge. One is a growing interest in types: powerful type systems or type checkers supporting overloading, coercion, dynamic types, and incremental inference; linear types to optimize storage, and polymorphic types to optimize semantic analysis. The hot topic of partial evaluation is well represented: techniques for higher-order binding-time analysis, assuring termination of partial evaluation, and improving the residual programs a partial evaluator generates. The thorny problem of manipulating state in functional languages is addressed: one paper even argues that parallel programs with side-effects can be "more declarative" than purely functional ones. Theoretical work covers a new model of types based on projections, parametricity, a connection between strictness analysis and logic, and a discussion of efficient implementations of the lambda-calculus. The connection with computer architecture and a variety of other topics are also addressed.

Modern Compiler Implementation in Java Sep 06 2020 This textbook describes all phases of a compiler: lexical analysis, parsing, abstract syntax, semantic actions, intermediate representations, instruction selection via tree matching, dataflow analysis, graph-coloring register allocation, and runtime systems. It includes good coverage of current techniques in code generation and register allocation, as well as the compilation of functional and object-oriented languages, that is missing from most books. The most accepted and successful techniques are described concisely, rather than as an exhaustive catalog of every possible variant, and illustrated with actual Java classes. This second edition has been extensively rewritten to include more discussion of Java and object-oriented programming concepts, such as visitor patterns. A unique feature is the newly redesigned compiler project in Java, for a subset of Java itself. The project includes both front-end and back-end phases, so that students can build a complete working compiler in one semester.

The Complete Encyclopedia of Signs and Symbols Nov 20 2021 Symbols can be as graphic as a cross, square or circle, or they can be conceptual representations of themes such as the soul, resurrection, love or desire. The meaning of these signs and symbols, whether simple icon or abstract concept, is complex and diverse, and depends on many variables. Over 1600 symbols and signs are covered in this comprehensive volume, analysing the definitions and interpretations that have been made across the boundaries of time, culture and tradition. The book discusses how signs and symbols have been interpreted and represented by humanity through thousands of years of art, mythology and religion: from cave paintings and Aboriginal dreamtime to computer iconography; from the Sumerians to the Rosicrucians; and from the alchemists' Philosopher's Stone to the archetypes of Freud and Jung. With a broad perspective the text brings together psychological, mythological, religious, literary and artistic insights to explore how these concepts can summarize or explain our common and yet diverse human experience. The structure of the book is thematic, so that related symbols are complemented and contrasted, giving a unique guide to their cross-cultural aspects. There are also in-depth features on some of the most important symbols of all, including the wheel, the labyrinth, the cross, the gateway, the snake and the tree of life. Lavishly illustrated with artworks, fine art paintings and contemporary photography, this fascinating book contains a vast source of images and an erudite and informative text that will inform any scholar, seeker, dream-reader, alchemist, magician, psychological historian, astrologer or pyschotherapist.

The Ultimate Illustrated Guide to Dreams, Signs and Symbols Jun 15 2021 Many symbols carry an elemental power that transcends boundaries and holds significance for other cultures. The cross may seem irrevocably Christian, but in fact was in existence as a symbol in the pre-Columbian art of Central America. The goat is variously seen through the ages and by different traditions as either gentle or ferocious, benign or devilishly destructive, a female symbol of fecundity and nourishment or a male symbol of lust and cunning. This comprehensive and beautiful new book discusses and illustrates thousands of these fascinating visual elements, and assesses their position in language, art, literature, mythology, magic, religion and psychology. It also makes us more aware of the way signs and symbols are a subconscious language, that we are at times unaware of when used by advertising and art, or even in our own doodlings or body language. The same fluidity that can be found in the interpretation of signs and symbols can also be seen in the interpretation of dreams. Each dream has a particular significance for the dreamer, and similar content will have a totally different meaning depending on who is dreaming the dream. In the second part of this book, how we dream and how we interpret dreams is analysed as a way of accessing our subconscious fears, desires and preoccupations. This unparalled volume gives a wealth of information and cultural background to the primal metaphors that are part of

humanity's universal, but ultimately personal, language, and begins a voyage of discovery into the importance of symbolism and dreams. Lavishly illustrated with over 2200 specially commissioned illustrations, fine art paintings and evocative photography, this book contains a vast visual resource of inspirational imagery as well as erudite and informative text.

The Illustrated Encyclopedia of Signs & Symbols Aug 25 2019 Contains definitions and interpretations of over 1,600 signs and symbols and discusses the cross-cultural, sociological, and psychological uses, meaning, and development of signs and symbols as a whole.

Mastering Autodesk Inventor 2020 Dec 22 2021 Autodesk Inventor was introduced in 1999 as an ambitious 3D parametric modeler based not on the familiar AutoCAD programming architecture but instead on a separate foundation that would provide the room needed to grow into the fully featured modeler it now is almost a decade later. Inventor 2009 marks a change of focus in the development of Inventor from an up-and-coming application to the current release with the inclusion of the design accelerator wizards and with refined core functions. The maturity of the Inventor tools happily coincides with the advancement of the CAD market's adoption of 3D parametric modelers as a primary design tool. And although it is important to understand that 2D CAD will likely never completely disappear from the majority of manufacturing design departments, 3D design will increasingly become a requirement for most. With this in mind, we have set out to fill the following pages with detailed information on the specifics of the tools, while addressing the principles of sound parametric design techniques.

NEC Research & Development Sep 26 2019

Adobe Animate 2022 for Creative Professionals Jul 05 2020 Step into the world of animation and go beyond the fundamentals of Adobe Animate to bring experiences to life with the help of expert-led content Key FeaturesProduce rich motion graphics and interactive animations for multiple platformsExplore the key features and enhancements in the latest Adobe Animate releaseTake your Adobe Animate projects to the next level with creative workflowsBook Description Adobe Animate is platform-agnostic asset creation, motion design, animation, and interactivity software. Complete with explanations of essential concepts and step-by-step walkthroughs of practical examples, this book will guide you in using Adobe Animate to create immersive experiences by breaking through creative limitations across every medium. We begin by getting up to speed with all that you need to know about Adobe Animate. You'll learn how to get started with Animate as a creative platform and explore the features introduced in its most recent versions. The book will show you how to consume and produce media assets for multiple platforms through both the publish and export workflows. Following this, you'll explore advanced rigging techniques and discover how to create more dynamic animation with advanced depth and movement techniques. You'll also find out how to build projects such as games, virtual reality experiences, and apps for various platforms as the book demonstrates different ways to use Animate. Finally, it covers the different methods used to extend the software for various needs. By the end of this Adobe Animate book, you'll be able to produce a variety of media assets, motion graphic design materials, animated artifacts, and interactive content pieces for platforms such as HTML5 Canvas, WebGL, and mobile devices. What you will learnGain a solid understanding of Adobe Animate foundations and new featuresUnderstand the nuances associated with publishing and exporting rich media content to various platformsMake use of advanced layering and rigging techniques to create engaging motion contentCreate dynamic motion using the camera and variable layer depth techniquesDevelop web-based games, virtual reality experiences, and multiplatform mobile applicationsExtend Animate with extensions, application-level scripting, and the creation of custom integrated tutorialsWho this book is for This book is for web, graphic, and motion design professionals with basic experience in animation who want to take their existing skills to the next level. A clear understanding of fundamental animation concepts will help you to get the most out of this book and produce impressive results.

Scientific and Technical Acronyms, Symbols, and Abbreviations Mar 25 2022 With 200,000 entries in over eighty different fields, Scientific and Technical Acronyms, Symbols, and Abbreviations is the most comprehensive reference of its type, covering more scientific and technical disciplines than any other available book. This invaluable resource will help scientists, engineers, and researchers understand and utilize current terminology in almost any field-from aeronautics to zoology. All accepted abbreviations, acronyms, and symbols are included, from the most obscure to the most common, as well as an appendix that provides important lists of units, systems of units, conversion factors, and prefixes. Science writers, journalists, translators, interpreters-anyone working in or around the sciences-will find this a helpful, easy-to-use guide to difficult technical jargon. Entries are listed in alphabetical order and are defined according to the field in which they are currently in use. Multiple definitions are listed for abbreviations and acronyms that may be in use in more than one field. For instance, the entry for the abbreviation "cb" would show several meanings: "CB" for Canada Balsam, "Cb" for cerebellum, and "c-B" for crystalline boron, among others. Entries for terms in languages other than English are included, as well as abbreviations for all known scientific and technical journals. Simple, comprehensive, and up-to-date, Scientific and Technical Acronyms, Symbols, and Abbreviations is a complete and vital reference for professionals in almost any scientific or technical discipline.

Using Visual C++ 6 Aug 30 2022 Special Edition Using Visual C++ 6 focuses on making you productive with Visual C++ as quickly as possible. Because of its straightforward approach, this book is able to progress into more advanced topics such as database capabilities, creating ActiveX controls and documents, and enterprise features. Coverage includes all the new features of version 6 as well as expanding on a few topics such as Active Server Pages, VC++, and ActiveX Data Object (ADO & OLE DB).

SVG Essentials Jul 25 2019 Scalable Vector Graphics -- or SVG -- is the new XML-based graphics standard from the W3C that will enable Web documents to be smaller, faster and more interactive. J. David Eisenberg's insightful book takes you through the ins and outs of SVG, beginning with basics needed to create simple line drawings and then moving through more complicated features like filters, transformations, and integration with Java, Perl, and XSLT.Unlike GIFs, JPEGs or PNGs (which are bitmapped), SVG images are both resolution- and device-independent, so that they can scale up or down to fit proportionally into any size display or any Internet device -- from PDAs to large office monitors and high-resolution printers. Smaller than bitmapped files and faster to download, SVG images can be rendered with different CSS styles for each environment. They work well across a range of available bandwidths.SVG makes it possible for designers to escape the constant need to update graphics by hand or use custom code to generate bitmap images. And while SVG was created with the Web in mind, the language has a variety of other uses. SVG greatly simplifies tasks like: Creating web sites whose graphics reflect the content of the page, changing automatically if the content changes Generating graphs and charts from information stored in a wide variety of sources Exchanging detailed drawings, from architectural plans to CAD layouts to project management diagrams Creating diagrams that users can explore by zooming in and panning around Generating bitmap images for use in older browsers using simple automatable templates Managing graphics that support multiple languages or translations Creating complex animation By focusing sharply on the markup at the foundation of SVG, SVG Essentials gives you a solid base on which to create your own custom tools. Explanations of key technical tools -- like XML, matrix math, and scripting -- are included as appendices, along with a reference to the SVG vocabulary.Whether you're a graphic designer in search of new tools or a programmer dealing with the complex task of creating and managing graphics, SVG Essentials provides you with the means to take advantage of SVG.

The Complete Encyclopedia of Signs & Symbols Mar 01 2020 A guide to hundreds of symbols, signs and ideographs and their meanings, with 1200 images.

5G System Design Aug 18 2021 This book presents a detailed pedagogical description of the 5G commercial wireless communication system design, from an end to end perspective. It compares and contrasts NR with LTE, and gives a concise and highly accessible description of the key technologies in the 5G physical layer, radio access network layer protocols and procedures. This book also illustrates how the 5G core and EPC is integrated into the radio access network, how virtualization and edge computer fundamentally change the way users interact with the network, as well as 5G spectrum issues. This book is structured into six chapters. The first chapter reviews the use cases, requirements, and standardization organization and activities for 5G. These are 5G requirements and not NR specifically, as technology that meets the requirements, may be submitted to the ITU as 5G technology. This includes a set of Radio Access Technologies (RATs), consisting of NR and LTE; with each RAT meeting different aspects of the requirements. The second chapter describes the air interface of NR and LTE side by side. The basic aspects of LTE that NR builds upon are first described, followed by sections on the NR specific technologies, such as carrier/channel, spectrum/duplexing (including SUL), LTE/NR co-existence and new physical layer technologies (including waveform, Polar/LDPC codes, MIMO, and URLLC/mMTC). In all cases the enhancements made relative to LTE are made apparent. The third chapter contains descriptions of NR procedures (IAM/Beam Management/Power control/HARQ), protocols (CP/UP/mobility, including grant-free), and RAN architecture. The fourth chapter includes a detailed discussion related to end-to-end system architecture, and the 5G Core (5GC), network slicing, service continuity, relation to EPC, network virtualization, and edge computing. The fifth and major chapter describes the ITU submission and how NR and LTE meet the 5G requirements in significant detail, from the rapporteur responsible for leading the preparation and evaluation, as well as some field trial results. Engineers, computer scientists and professionals with a passing knowledge of 4G LTE and a comprehensive understanding of the end to end 5G commercial wireless system will find this book to be a valuable asset. Advanced-level students and researchers studying and working in communication engineering, who want to gain an understanding of the 5G system (as well as methodologies to evaluate features and technologies intended to supplement 5G) will also find this book to be a valuable resource.

The I and Being Human Jun 23 2019 Originally published: The I. New Haven: Yale University Press, c1985.

RoboCup 2001: Robot Soccer World Cup V Jan 23 2022 This book is the fifth official archival publication devoted to RoboCup. It documents the achievements presented at the 5th Robot World Cup Soccer Games and Conferences held in Seattle, Washington, USA, in August 2001.The book contains the following parts: introduction, champion teams, challenge award finalists, technical papers, poster presentations, and team descriptions (arranged according to various leagues).This book is mandatory reading for the rapidly growing RoboCup community as well as a valuable source of references and inspiration for R&D professionals interested in multi-agent systems, distributed artificial intelligence, and intelligent robotics.

Organizational Rhetoric May 03 2020 An unprecedented text explains how to analyze the role of rhetoric in organizations Integrating rhetorical theories and methods with principles of organizational communication, this pioneering text provides students with a step-by-step method for analyzing and critiquing examples of organizational rhetoric. The first half of the book offers an accessible introduction to rhetorical research, theory, and criticism and equips students for analyzing the messages of organizations in a variety of contexts. The second half focuses on needs in real-life organizational situations: to create and maintain identity; to manage messages about issues, risk, and crisis; and to communicate with those "inside" the organization. Contemporary examples and case studies (including a dispute over clean energy in Texas, efforts on the part of restaurant owners in New York to fight food labeling requirements, and a university's announcement that it is building a "body farm") illustrate the importance of this area of study and provide opportunities for students to apply their emerging analytical and critical thinking skills. Key Features Grounds the explanation and critique of persuasive organizational messages in traditional and contemporary rhetorical literature Shows students how to critique the messages organizations use to create and maintain organizational power Demonstrates the importance of rhetoric to the success of the organization Uses case studies and accompanying worksheets to help students move through the process of analyzing sample situations and messages Covers image/impression management, issue management, crisis management, and other key facets of organizational rhetoric Includes models of the book's method for analysis at the beginning of each chapter to help students visualize how each step fits into the larger system Intended Audience Organizational Rhetoric: Situations and Strategies is ideal for a wide range of courses at the upper-level undergraduate and master's level, including Organizational Communication, Organizational Studies, Public Relations, and Rhetorical Studies. This first-of-its-kind textbook is also an essential addition to the libraries of Communication/Rhetoric and Business instructors.

The Relationship of Sexual Symbol Identification and Preference to Neuroticism and Extraversion-introversion Jul 17 2021

Digital Libraries: The Era of Big Data and Data Science Jan 11 2021 This book constitutes the thoroughly refereed proceedings of the 16th Italian Research Conference on Digital Libraries, IRCDL 2020, held in Bari, Italy, in January 2020. The 12 full papers and 6 short papers presented were carefully selected from 26 submissions. The papers are organized in topical sections on information retrieval, bid data and data science in DL; cultural heritage; open science.

Customs Bulletin and Decisions Oct 08 2020

Code of Federal Regulations Mar 13 2021

The Impossibility of Religious Freedom Nov 01 2022 The Constitution may guarantee it. But religious freedom in America is, in fact, impossible. So argues this timely and iconoclastic work by law and religion scholar Winnifred Sullivan. Sullivan uses as the backdrop for the book the trial of Warner vs. Boca Raton, a recent case concerning the laws that protect the free exercise of religion in America. The trial, for which the author served as an expert witness, concerned regulations banning certain memorials from a multiconfessional nondenominational cemetery in Boca Raton, Florida. The book portrays the unsuccessful struggle of Catholic, Protestant, and Jewish families in Boca Raton to preserve the practice of placing such religious artifacts as crosses and stars of David on the graves of the city-owned burial ground. Sullivan demonstrates how, during the course of the proceeding, citizens from all walks of life and religious backgrounds were harassed to define just what their religion is. She argues that their plight points up a shocking truth: religion cannot be coherently defined for the purposes of American law, because everyone has different definitions of what religion is. Indeed, while religious freedom as a political idea was arguably once a force for tolerance, it has now become a force for intolerance, she maintains. A clear-eyed look at the laws created to protect religious freedom, this vigorously argued book offers a new take on a right deemed by many to be necessary for a free democratic society. It will have broad appeal not only for religion scholars, but also for anyone interested in law and the Constitution. Featuring a new preface by the author, The Impossibility of Religious Freedom offers a new take on a right deemed by many to be necessary for a free democratic society.

Cyclopaedia of Biblical, Theological, and Ecclesiastical Literature Sep 18 2021

Symbols As Power Feb 21 2022 "Symbols as Power" concentrates on the papacy from the end of the Investiture Contest in 1122 until the re-establishment of the Roman Senate in 1143. By combining an investigation of such media as art, architecture, and liturgy with written sources it helps to illuminate the ideology and the policies of the individual popes relating to the church, the empire, and the city of Rome.

Journal of VLSI Signal Processing Systems for Signal, Image, and Video Technology Oct 20 2021

Electronic Drafting and Design Oct 27 2019 Discusses the design and drafting methods used in making electronic equipment for consumer, commercial, and military applications

Symbols of American Libraries Sep 30 2022

Unifying the Philosophy of Truth Jun 03 2020 This anthology of the very latest research on truth features the work of recognized luminaries in the field, put together following a rigorous refereeing process. Along with an introduction outlining the central issues in the field, it provides a unique and unrivaled view of contemporary work on the nature of truth, with papers selected from key conferences in 2011 such as Truth Be Told (Amsterdam), Truth at Work (Paris), Paradoxes of Truth and Denotation (Barcelona) and Axiomatic Theories of Truth (Oxford). Studying the nature of the concept of 'truth' has always been a core role of philosophy, but recent years have been a boom time in the topic. With a wealth of recent conferences examining the subject from various angles, this collection of essays recognizes the pressing need for a volume that brings scholars up to date on the arguments. Offering academics and graduate students alike a much-needed repository of today's cutting-edge work in this vital topic of philosophy, the volume is required reading for anyone needing to keep abreast of developments, and is certain to act as a catalyst for further innovation and research.

Historia Numorum May 27 2022

Shipboard Automatic Identification System Displays Dec 30 2019 Assesses the state of the art in Automatic Identification System (AIS) display technologies, evaluates system designs and capabilities, and reviews the human factors aspects associated with operating these systems.

The Basilica of S. Mark in Venice Jul 29 2022

Handbook of Cultural Politics and Education Nov 08 2020 In academia, the effects of the "cultural turn" have been felt deeply. In everyday life, tenets from cultural politics have influenced how people behave or regard their options for action, such as the reconfiguration of social movements, protests, and praxis in general.

The Mechanisms of Reactions Influencing Atmospheric Ozone Feb 09 2021 Ozone, an important trace component, is critical to life on Earth and to atmospheric chemistry. The presence of ozone profoundly impacts the physical structure of the atmosphere and meteorology. Ozone is also an important photolytic source for HO radicals, the driving force for most of the chemistry that occurs in the lower atmosphere, is essential to shielding biota, and is the only molecule in the atmosphere that provides protection from UV radiation in the 250-300 nm region. However, recent concerns regarding environmental issues have inspired a need for a greater understanding of ozone, and the effects that it has on the Earth's atmosphere. The Mechanisms of Reactions Influencing Atmospheric Ozone provides an overview of the chemical processes associated with the formation and loss of ozone in the atmosphere, meeting the need for a greater body of knowledge regarding atmospheric chemistry. Renowned atmospheric researcher Jack Calvert and his coauthors discuss the various chemical and physical properties of the earth's atmosphere, the ways in which ozone is formed and destroyed, and the mechanisms of various ozone chemical reactions in the different spheres of the atmosphere. The volume is rich with valuable knowledge and useful descriptions, and will appeal to environmental scientists and engineers alike. A thorough analysis of the processes related to tropospheric ozone, The Mechanisms of Reactions Influencing Atmospheric Ozone is an essential resource for those hoping to combat the continuing and future environmental problems, particularly issues that require a deeper understanding of atmospheric chemistry.

Instrumentation Symbols and Identification Jan 29 2020

Music Navigation with Symbols and Layers Aug 06 2020 Music is much more than listening to audio encoded in someunreadable binary format. It is, instead, an adventure similar toreading a book and entering its world, complete with a story, plot,sound, images, texts, and plenty of related data with, forinstance, historical, scientific, literary, and musicologicalcontents. Navigation of this world, such as that of an opera, ajazz suite and jam session, a symphony, a piece from non-Westernculture, is possible thanks to the specifications of new standardIEEE 1599, IEEE Recommended Practice for Defining a CommonlyAcceptable Musical Application Using XML, which uses symbols inlanguage XML and music layers to express all its multimediacharacteristics. Because of its encompassing features, thisstandard allows the use of existing audio and video standards, aswell as recuperation of material in some old format, the events ofwhich are managed by a single XML file, which is human and machinereadable - musical symbols have been read by humans for at leastforty centuries. Anyone wanting to realize a computer application using IEEE 1599-- music and computer science departments, computer generated musicresearch laboratories (e.g. CCRMA at Stanford, CNMAT at Berkeley,and IRCAM in Paris), music library conservationists, music industryfrontrunners (Apple, TDK, Yamaha, Sony), etc. -- will need thisfirst book-length explanation of the new standard as areference. The book will include a manual teaching how to encode music withIEEE 1599 as an appendix, plus a CD-R with a video demonstratingthe applications described in the text and actual sampleapplications that the user can load onto his or her PC andexperiment with.

The Basilica of S. Mark in Venice Jun 27 2022

Theories of Human Communication Nov 28 2019 For over forty years, Theories of Human Communication has facilitated the understanding of the theories that define the discipline of communication. The authors present a comprehensive summary of major communication theories, current research, extensions, and applications in a thoughtfully organized and engaging style. Part I of the extensively updated twelfth edition sets the stage for how to think about and study communication. The first chapter establishes the foundations of communication theory. The next chapter reviews four frameworks for organizing the theories and their contributions to the nature of inquiry. Part II covers theories centered around the communicator, message, medium, and communication with the nonhuman. Part III addresses theories related to communication contexts—relationship, group, organization, health, culture, and society. "From the Source" contributions from theorists provide insight into the inspirations, motivations, and goals behind the theories. Online instructor's resource materials include sample syllabi, key terms, exam questions, and text graphics. The theories include those important for their continuing influence in the field as well as emerging theories that encourage thinking about issues in new ways. For a reasonable price, readers are able to explore the patterns, trends, trajectories, and intricacies of the landscape of communication theory and will have an invaluable resource for future reference.

Official Gazette of the United States Patent and Trademark Office Apr 25 2022

Products Liability Law Apr 13 2021 Products Liability Law, Second Edition, by prolific tort scholar Mark Geistfeld, represents the "next generation" of casebooks on products liability. Earlier texts focused on the relative merits of strict liability and negligence, embodied in the apparently competing liability frameworks of the consumer expectations test in the Restatement (Second) of Torts and the risk-utility test in the Restatement (Third) of Torts. The majority of courts, however, have incorporated the risk-utility test into the framework of consumer expectations. By providing balanced coverage of both consumer expectations and the risk-utility test, the casebook keeps pace with ongoing

developments in the case law and moves beyond the battles that largely defined products liability in the twentieth century. In addition to teaching students how liability rules protect consumer expectations via comprehensive application of the risk-utility test, this innovative casebook underscores the importance of doctrinal history, the psychology of evaluating product risks, and the role of products liability in the modern regulatory state. Students will learn how courts have applied established doctrines to novel problems ranging from the relevance of scientific evidence in toxic-tort cases to the distribution of defective products on the Amazon online marketplace. To further illustrate this dynamic, the casebook has twenty-nine problems with associated analysis involving the liability issues likely to be raised by the emerging technology of autonomous vehicles. Finally, the casebook reinforces students' knowledge of fundamental tort principles while developing specialized expertise and a deeper understanding of the torts process. New to the Second Edition: A dozen new main cases updating older case law, providing coverage of new issues not addressed in the First Edition, and/or improving upon the analysis provided by the associated case in the First Edition Retention of the majority of main cases from the first edition, with revisions to the ensuing notes incorporating relevant case law developments A reorganized and updated chapter covering the controversy over the relative merits of the consumer expectations and risk-utility tests Comprehensive discussion of the tort version of the implied warranty—the genesis of the consumer expectations test—and its relation to product malfunctions and the risk-utility test A new chapter addressing the existence of the tort duty and identifying the difference between patent dangers and patent defects Reorganization of the chapter on factual causation, emphasizing the continuity of evidentiary problems running across different types of cases, ranging from the heeding presumption in warning cases, to market-share liability, to proof of both general and specific causation in toxic-tort cases Professors and students will benefit from: Classroom-tested materials taught for over 20 years by an award-winning professor Interesting cases that illustrate both the traditional and contemporary character of products liability litigation; cases are followed by extensive notes Each chapter addressing doctrinal issues concludes with problems on autonomous vehicles. The full set of 29 problems provides students with the necessary background for understanding liability issues posed by this emerging technology. Each problem is followed by the author's analysis of the associated issues, cross-referenced to the relevant casebook material.

Agile Web Development with Rails 5.1 May 15 2021 Learn Rails the way the Rails core team recommends it, along with the tens of thousands of developers who have used this broad, far-reaching tutorial and reference. If you're new to Rails, you'll get step-by-step guidance. If you're an experienced developer, get the comprehensive, insider information you need for the latest version of Ruby on Rails. The new edition of this award-winning classic is completely updated for Rails 5.1 and Ruby 2.4, with information on system testing, Webpack, and advanced JavaScript. Ruby on Rails helps you produce high-quality, beautiful-looking web applications quickly---you concentrate on creating the application, and Rails takes care of the details. Rails 5.1 brings many improvements, and this edition is updated to cover the new features and changes in best practices. We start with a step-by-step walkthrough of building a real application, and in-depth chapters look at the built-in Rails features. Follow along with an extended tutorial as you write a web-based store application. Eliminate tedious configuration and housekeeping; seamlessly incorporate Ajax and JavaScript; send emails and manage background jobs with ActiveJob; build real-time features using WebSockets and ActionCable. Test your applications as you write them using the built-in unit, integration, and system testing frameworks; internationalize your applications; and deploy your applications easily and securely. New in this edition is support for Webpack and advanced JavaScript, as well as Rails' new browser-based system testing. Rails 1.0 was released in December 2005. This book was there from the start, and didn't just evolve alongside Rails, it evolved with Rails. It has been developed in consultation with the Rails core team. In fact, Rails itself is tested against the code in this book. What You Need: All you need is a Windows, Mac OS X, or Linux machine to do development on. This book will take you through the steps to install Rails and its dependencies. If you aren't familiar with the Ruby programming language, this book contains a chapter that covers the basics necessary to understand the material in the book.

Artificial Intelligence and Computational Intelligence Apr 01 2020 This three-volume proceedings contains revised selected papers from the Second International Conference on Artificial Intelligence and Computational Intelligence, AICI 2011, held in Taiyuan, China, in September 2011. The total of 265 high-quality papers presented were carefully reviewed and selected from 1073 submissions. The topics of Part II covered are: heuristic searching methods; immune computation; information security; information theory; intelligent control; intelligent image processing; intelligent information fusion; intelligent information retrieval; intelligent signal processing; knowledge representation; and machine learning.