

Canon S5is Advanced Guide

With amazing low-light capabilities, incredible definition, intelligent autofocus and a host of other features, digital cameras have now become so powerful that they have left their users behind. Most photographers can take competent shots in a range of conditions, or fix imperfect exposures in Photoshop or Lightroom, but very few have the skill to push their cameras to the limit and capture the perfect shot, under all conditions, with no post-processing required. In Camera is the perfect way to take your photography to that level; to master your camera, understand light, exposure and composition,

and make amazing photographs, whatever your camera, without cheating after the event. One hundred of Gordon's beautiful photos are given with his own expert commentary; full settings and camera details are included, and a host of tips and tricks let photographers of any level learn something from every example. The shots are taken with a wide range of cameras, and the emphasis is on getting results by improving your own skills, not wasting money on expensive equipment.

Introductory logic is generally taught as a straightforward technical discipline. In this book, John MacFarlane helps the reader think about the limitations of, presuppositions of, and alternatives to

classical first-order predicate logic, making this an ideal introduction to philosophical logic for any student who already has completed an introductory logic course. The book explores the following questions. Are there quantificational idioms that cannot be expressed with the familiar universal and existential quantifiers? How can logic be extended to capture modal notions like necessity and obligation? Does the material conditional adequately capture the meaning of 'if'—and if not, what are the alternatives? Should logical consequence be understood in terms of models or in terms of proofs? Can one intelligibly question the validity of basic logical principles like Modus Ponens or Double Negation Elimination? Is the

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fact that classical logic validates the inference from a contradiction to anything a flaw, and if so, how can logic be modified to repair it? How, exactly, is logic related to reasoning? Must classical logic be revised in order to be applied to vague language, and if so how? Each chapter is organized around suggested readings and includes exercises designed to deepen the reader's understanding. Key Features: An integrated treatment of the technical and philosophical issues comprising philosophical logic Designed to serve students taking only one course in logic beyond the introductory level Provides tools and concepts necessary to understand work in many areas of analytic philosophy Includes exercises,

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suggested readings, and suggestions for further exploration in each chapter

Canon PowerShot Digital Field Guide John Wiley & Sons

This text describes the functions that the BIOS controls and how these relate to the hardware in a PC. It covers the CMOS and chipset set-up options found in most common modern BIOSs. It also features tables listing error codes needed to troubleshoot problems caused by the BIOS.

Structure and Ontology

A History of Set Theory and Its Role in Modern Mathematics

The PC Engineer's Reference Book

A Contemporary Introduction

Philosophy of Mathematics

Final Cut Express HD 3.5 Editing Workshop

Since 1958 the Maritime Administration has continuously conducted instructions in use of collision avoidance radar for qualified U.S. seafaring personnel and representatives of interested Federal and State Agencies. Beginning in 1963, to facilitate the expansion of training capabilities and at the same time to provide the most modern techniques in training methods, radar simulators were

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installed in Maritime Administration's three region schools. It soon became apparent that to properly instruct the trainees, even with the advanced equipment, a standardized up-to-date instruction manual was needed. The first manual was later revised to serve both as a classroom textbook and as an onboard reference handbook. This newly updated manual, the fourth revision, in keeping with Maritime Administration policy, has been restructured to include improved and more effective methods of plotting

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techniques for use in Ocean, Great Lakes, Coastwise and Inland Waters

navigation. Robert J. Blackwell Assistant Secretary for Maritime Affairs

Why do we think differently from one another? Why do religious people adhere to their faith even against reason, whilst atheist thinkers label it "nonsense"? Why do some judges turn more to moral values and others less? Why do we attach different meanings to the same words?

These questions can be tackled on psychological or sociological levels, but

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we can also analyze the subjects on the epistemological level. That is the purpose of this book. Thoughts and Ways of Thinking offers Source Theory as a single explanation for epistemic processes and their religious, legal and linguistic derivatives. The idea is simple: our senses, our understanding, our memory, the testimonies that we trust, and many other objects transmit data to us and so shape our beliefs. In this function they serve as our truth sources. Different beliefs stem from different sources or different

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hierarchies between same sources. This notion is formalized here through the new tool of Source Calculus, and, after balancing its relativistic consequences by adding pragmatic constraints, it is applied to the philosophies of religion, law and language. With this unified theory, old doubts are framed in new perspectives, and some of them even find their solution.

With this book and your Canon PowerShot, taking pictures becomes a lot more fun! The Quick Tour gets you familiar with all

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the settings and menus on your G, S, TX, A, or SD-series camera, so you can start shooting. Then spend some time exploring tips for getting super shots in dozens of situations, using manual settings for greater control, and telling a story with your photos. Finally, learn the best ways to download, edit, and print your pictures.

Provides information on equipment, setting up a darkroom, developing negatives, making proof sheets and enlargements, and special techniques for fine prints

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Khotanese Texts: I. Siddhasāra.

Jivakapustaka. Jātakastava.

Bhadracaryāde?anā. Suvarnabhāsas?tra

Philosophical Logic

Process Mining

Holographic Duality in Condensed Matter

Physics

Essays Dedicated to Michael Gelfond on the
Occasion of His 65th Birthday

The Realism-Antirealism Debate in the Age
of Alternative Logics

**"José Ferreirós has written a magisterial account of the
history of set theory which is panoramic, balanced, and**

engaging. Not only does this book synthesize much previous work and provide fresh insights and points of view, but it also features a major innovation, a full-fledged treatment of the emergence of the set-theoretic approach in mathematics from the early nineteenth century. This takes up Part One of the book. Part Two analyzes the crucial developments in the last quarter of the nineteenth century, above all the work of Cantor, but also Dedekind and the interaction between the two. Lastly, Part Three details the development of set theory up to 1950, taking account of foundational questions and the emergence of the modern axiomatization." (Bulletin of Symbolic Logic)

Philosophy of Linguistics investigates the foundational

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concepts and methods of linguistics, the scientific study of human language. This groundbreaking collection, the most thorough treatment of the philosophy of linguistics ever published, brings together philosophers, scientists and historians to map out both the foundational assumptions set during the second half of the last century and the unfolding shifts in perspective in which more functionalist perspectives are explored. The opening chapter lays out the philosophical background in preparation for the papers that follow, which demonstrate the shift in the perspective of linguistics study through discussions of syntax, semantics, phonology and cognitive science more generally. The volume serves as a detailed introduction for those new to

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the field as well as a rich source of new insights and potential research agendas for those already engaged with the philosophy of linguistics. Part of the Handbook of the Philosophy of Science series edited by: Dov M. Gabbay, King's College, London, UK; Paul Thagard, University of Waterloo, Canada; and John Woods, University of British Columbia, Canada. Provides a bridge between philosophy and current scientific findings Encourages multi-disciplinary dialogue Covers theory and applications

Can artificial intelligence learn mathematics? The question is at the heart of this original monograph bringing together theoretical physics, modern geometry, and data science. The study of Calabi–Yau manifolds lies

at an exciting intersection between physics and mathematics. Recently, there has been much activity in applying machine learning to solve otherwise intractable problems, to conjecture new formulae, or to understand the underlying structure of mathematics. In this book, insights from string and quantum field theory are combined with powerful techniques from complex and algebraic geometry, then translated into algorithms with the ultimate aim of deriving new information about Calabi–Yau manifolds. While the motivation comes from mathematical physics, the techniques are purely mathematical and the theme is that of explicit calculations. The reader is guided through the theory and provided with explicit computer code in standard

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software such as SageMath, Python and Mathematica to gain hands-on experience in applications of artificial intelligence to geometry. Driven by data and written in an informal style, The Calabi–Yau Landscape makes cutting-edge topics in mathematical physics, geometry and machine learning readily accessible to graduate students and beyond. The overriding ambition is to introduce some modern mathematics to the physicist, some modern physics to the mathematician, and machine learning to both.

This book is a tribute to Professor Ewa Orłowska, a Polish logician who was celebrating the 60th year of her scientific career in 2017. It offers a collection of contributed papers by different authors and covers the

most important areas of her research. Prof. Orłowska made significant contributions to many fields of logic, such as proof theory, algebraic methods in logic and knowledge representation, and her work has been published in 3 monographs and over 100 articles in internationally acclaimed journals and conference proceedings. The book also includes Prof. Orłowska's autobiography, bibliography and a dialogue between her and the editors of the volume, as well as contributors' biographical notes, and is suitable for scholars and students of logic who are interested in understanding more about Prof. Orłowska's work.

Data Science in Action

Logical Pluralism

Proceedings of VETOMAC XV 2019

The Bios Companion

Mathematical Excursions to the World's Great Buildings

Radar Instruction Manual

With more than 60 practical and creative hacks, this book helps you turn Raspberry Pi into the centerpiece of some cool electronics projects. Want to create a controller for a camera or a robot? Set up Linux distributions for media centers or PBX phone systems? That's just the beginning of what you'll find inside Raspberry Pi Hacks. If you're looking to build either a software or hardware project with more computing power

than Arduino alone can provide, Raspberry Pi is just the ticket. And the hacks in this book will give you lots of great ideas. Use configuration hacks to get more out of your Pi Build your own web server or remote print server Take the Pi outdoors to monitor your garden or control holiday lights Connect with SETI or construct an awesome Halloween costume Hack the Pi's Linux OS to support more complex projects Decode audio/video formats or make your own music player Achieve a low-weight payload for aerial photography Build a Pi computer cluster or a solar-powered lab

Fifty years ago, A. Turing predicted that by 2000 we would have a machine that could pass the Turing test. Although this may not yet be true, AI has advanced significantly in these 50 years, and at the dawn of the XXI century is still an active and challenging field. This year is also significant for AI in Mexico, with the merging of the two major AI conferences into the biennial Mexican International Conference on Artificial Intelligence (MICAI) series. MICAI is the union of the Mexican National AI Conference (RNIA) and the International AI Symposium (ISAI), organized annually by the Mexican Society for AI (SMIA, since

1984) and by the Monterrey Institute of Technology (ITESM, since 1988), respectively. The first Mexican International Conference on Artificial Intelligence, MICAI 2000, took place April 11-14, 2000, in the city of Acapulco, Mexico. This conference seeks to promote research in AI, and cooperation among Mexican researchers and their peers worldwide. We welcome you all. Over 163 papers from 17 different countries were submitted for consideration to MICAI 2000. After reviewing them thoroughly, MICAI's program committee, referees, and program chair accepted 60 papers for the international track. This volume contains

the written version of the papers and invited talks presented at MICAI. We would like to acknowledge the support of the American Association for Artificial Intelligence (AAAI), and the International Joint Conference on Artificial Intelligence (IJCAI). We are specially grateful for the warm hospitality and generosity offered by the Acapulco Institute of Technology.

Do numbers, sets, and so forth, exist? What do mathematical statements mean? Are they literally true or false, or do they lack truth values altogether? Addressing questions that have attracted lively debate in recent years, Stewart

Shapiro contends that standard realist and antirealist accounts of mathematics are both problematic. As Benacerraf first noted, we are confronted with the following powerful dilemma. The desired continuity between mathematical and, say, scientific language suggests realism, but realism in this context suggests seemingly intractable epistemic problems. As a way out of this dilemma, Shapiro articulates a structuralist approach. On this view, the subject matter of arithmetic, for example, is not a fixed domain of numbers independent of each other, but rather is the natural number structure, the pattern

common to any system of objects that has an initial object and successor relation satisfying the induction principle. Using this framework, realism in mathematics can be preserved without troublesome epistemic consequences. Shapiro concludes by showing how a structuralist approach can be applied to wider philosophical questions such as the nature of an "object" and the Quinean nature of ontological commitment. Clear, compelling, and tautly argued, Shapiro's work, noteworthy both in its attempt to develop a full-length structuralist approach to mathematics and to trace its emergence in the history of

mathematics, will be of deep interest to both philosophers and mathematicians.

The meeting of members of different cultures, frequently conceptualized in abstract terms, always involves the meeting of human bodies.

This volume brings together contributions by scholars of various disciplines that address physical aspects and effects of cultural encounters in historical and present-day settings. Bodies were and are not only markers of cultural identity and difference, endlessly inscribed and represented as the 'body politic' or 'the exotic other'; as battlegrounds of cross-cultural

signification and identification bodies are also potential agents of change. While some essays address the elusiveness of the 'real' or material body, forever lost behind a veil of textual and visual representation, others analyze the performative effect of such representations - their function of disciplining colonized bodies and subjects by integrating them into Western systems of cultural signification and scientific classification. Yet, as the volume also shows, formerly colonized people, far from subjecting themselves completely to Western discourses of physical discipline, retain traditional body

practices - whether in food culture, religious ritual, or musical performances. Such local reinscriptions escape the grip of Western culture and transform the global semantics of the body. Mexican International Conference on Artificial Intelligence Acapulco, Mexico, April 11-14, 2000 Proceedings

Electronics Buying Guide

Vibration Engineering and Technology of Machinery

Toward a New Understanding of Space, Time and Matter

Embodiments of Cultural Encounters

Approaches to Quantum Gravity

How mathematics helped build the world's most important buildings from early Egypt to the present. From the pyramids and the Parthenon to the Sydney Opera House and the Bilbao Guggenheim, this book takes readers on an eye-opening tour of the mathematics behind some of the world's most spectacular buildings. Beautifully illustrated, the book explores the milestones in elementary mathematics that enliven the understanding of these buildings and combines this with an in-depth look at their aesthetics, history, and structure. Whether using trigonometry and vectors to explain why Gothic arches are structurally superior to Roman arches, or showing how simple ruler and compass constructions can produce sophisticated architectural details, Alexander Hahn describes the points at which elementary mathematics and architecture intersect.

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Beginning in prehistoric times, Hahn proceeds to guide readers through the Greek, Roman, Islamic, Romanesque, Gothic, Renaissance, and modern styles. He explores the unique features of the Pantheon, the Hagia Sophia, the Great Mosque of Cordoba, the Duomo in Florence, Palladio's villas, and Saint Peter's Basilica, as well as the U.S. Capitol Building. Hahn celebrates the forms and structures of architecture made possible by mathematical achievements from Greek geometry, the Hindu-Arabic number system, two- and three-dimensional coordinate geometry, and calculus. Along the way, Hahn introduces groundbreaking architects, including Brunelleschi, Alberti, da Vinci, Bramante, Michelangelo, della Porta, Wren, Gaudí, Saarinen, Utzon, and Gehry. Rich in detail, this book takes readers on an expedition around the globe, providing a deeper understanding of the

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mathematical forces at play in the world's most elegant building. Now that you've bought the amazing Canon 50D, you need a book that goes beyond a tour of the camera's features to show you exactly how to use the 50D to take great pictures. With Canon From Snapshots to Great Shots, you get the perfect blend of photography instruction and camera reference that will take your images to the next level! Beautifully illustrated with large, vibrant photos, this book teaches you how to take control of your photography to get the image you want every time you pick up your camera. Follow along with your friendly and knowledgeable guide, photographer and author Jeff Revell, and you will:

- Learn the top ten things you need to know about shooting with the 50D
- Use the 50D's automatic modes to get better shots right away
- Move into the Creative zone, where you have full control over the look and

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feel of your images • Master the photographic basics of composition, focus, depth of field, and much more • Learn all the best tricks and techniques for getting great action shots, landscapes, and portraits • Find out how to get great shots in low light • Fully grasp all the concepts and techniques as you go, with assignments at the end of every chapter With Canon 50D: From Snapshots to Great Shots, you'll learn not only what makes a great shot work—you'll learn how to get that shot using your 50D. And once you've got the shot, show it off! Join the book's Flickr group, share your photos, and discuss how you use your 50D to get great shots at flickr.com/groups/canon_50dfromsnapshotstogreatshots This Second Edition of a classic algebra text includes updated and comprehensive introductory chapters, new material on axiom of Choice, p-groups and local rings, discussion of theory and

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applications, and over 300 exercises. It is an ideal introductory for all Year 1 and 2 undergraduate students in mathematics. Go beyond the mechanics of Final Cut Express HD 3.5--learn how to edit with it! More than a button-pushing manual--this works to give you firsthand experience with the art and technique of editing. You develop a working knowledge of this powerful editing application with eleven tutorials that cover each and every essential, including: * setting up your system and understanding the interface * getting your material into FCE and organizing it * slicing, dicing, and organizing clips * editing to build and trim a sequence of shots * adding transitions * using sound to refine your edit * titling with FCE and Photoshop * animating images to create engaging scenes * adding special effects filters * compositing to enhance your projects * outputting your material The companion

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DVD contains a video introduction to FCE that is especially designed for iMovie users. It compares and contrasts the two applications to ease the transition. The DVD-ROM portion contains project media, demo software, and free plug-ins for your use.

Concepts of Modern Mathematics

The Calabi-Yau Landscape

Release 2.2 : a Complete Course

MICAI 2000: Advances in Artificial Intelligence

Supergravity

Ewa Orłowska on Relational Methods in Logic and Computer Science

Containing contributions from leading researchers in this field, this book provides a

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complete overview of this field from the frontiers of theoretical physics research for graduate students and researchers. It introduces the most current approaches to this problem, and reviews their main achievements.

Introduction to Logic combines likely the broadest scope of any logic textbook available with clear, concise writing and interesting examples and arguments. Its key features, all retained in the Second Edition, include: • simpler ways to test arguments than those available in competing textbooks, including the star test for

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syllogisms • a wide scope of materials, making it suitable for introductory logic courses (as the primary text) or intermediate classes (as the primary or supplementary book) • engaging and easy-to-understand examples and arguments, drawn from everyday life as well as from the great philosophers • a suitability for self-study and for preparation for standardized tests, like the LSAT • a reasonable price (a third of the cost of many competitors) • exercises that correspond to the LogiCola program, which may be downloaded for free from the web. This

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Second Edition also:

- arranges chapters in a more useful way for students, starting with the easiest material and then gradually increasing in difficulty
- provides an even broader scope with new chapters on the history of logic, deviant logic, and the philosophy of logic
- expands the section on informal fallacies
- includes a more exhaustive index and a new appendix on suggested further readings
- updates the LogiCola instructional program, which is now more visually attractive as well as easier to download, install, update, and use.

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This Festschrift volume, published in honor of Michael Gelfond on the occasion of his 65th birthday, contains a collection of papers written by his closest friends and colleagues. Several of these papers were presented during the Symposium on Constructive Mathematics in Computer Science, held in Lexington, KY, USA on October 25-26, 2010. The 27 scientific papers included in the book focus on answer set programming. The papers are organized in sections named "Foundations: ASP and Theories of LP, KR, and NMR", "ASP and

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Dynamic Domains”, and “ASP – Applications and Tools”.

This volume gathers the latest advances, innovations and applications in the field of vibration and technology of machinery, as presented by leading international researchers and engineers at the XV International Conference on Vibration Engineering and Technology of Machinery (VETOMAC), held in Curitiba, Brazil on November 10-15, 2019. Topics include concepts and methods in dynamics, dynamics of mechanical and structural systems, dynamics

and control, condition monitoring, machinery and structural dynamics, rotor dynamics, experimental techniques, finite element model updating, industrial case studies, vibration control and energy harvesting, and MEMS. The contributions, which were selected through a rigorous international peer-review process, share exciting ideas that will spur novel research directions and foster new multidisciplinary collaborations.

Introduction to Algebra

From Snapshots to Great Shots

Calabi-Yau Manifolds
Philosophy of Linguistics

Composition

Calabi-Yau spaces are complex spaces with a vanishing first Chern class, or equivalently, with trivial canonical bundle (canonical class). They are used to construct possibly realistic (super)string models and are thus being studied vigorously in the recent physics literature. In the main part of the Book, collected and reviewed are relevant results on (1) several major techniques of constructing

such spaces and (2) computation of physically relevant quantities such as massless field spectra and their Yukawa interactions. Issues of (3) stringy corrections and (4) moduli space and its geometry are still in the stage of rapid and continuing development, whence there is more emphasis on open problems here. Also is included a preliminary discussion of the conjectured universal moduli space and related open problems. Finally, several detailed models and sample computations are included throughout the Book to exemplify the techniques and the general discussion. The Book

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also contains a Lexicon (28 pages) of 150 assorted terms, key-words and main results and theorems, well suited for a handy reference. Although cross-referenced with the main part of the Book, the Lexicon can also be used independently. The level of mathematics is guided and developed between that of the popular Physics Reports of Eguchi, Gilkey and Hanson and the book Superstrings (Vol. 2) by Green, Schwarz and Witten on one end and Principles of Algebraic Geometry of Griffiths and Harris on the other. This is the first systematic exposition in book form of the material on Calabi-

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Yau spaces, related mathematics and the physics application, otherwise scattered through research articles in journals and conference proceedings.

A pioneering treatise presenting how the mathematical techniques of holographic duality can unify the fundamental theories of physics.

Offers a collection of true facts about animals, food, science, pop culture, outer space, geography, and weather.

Consequence is at the heart of logic, and an account of consequence offers a vital tool in the evaluation of arguments. This text presents what

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the authors term as 'logical pluralism' arguing that the notion of logical consequence doesn't pin down one deductive consequence relation; it allows for many of them.

Logic Programming, Knowledge Representation,
and Nonmonotonic Reasoning

Introduction to Logic

Lotus 1-2-3

Version B

A Bestiary for Physicists

In Camera: How to Get Perfect Pictures Straight Out
of the Camera

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The relation between logic and knowledge has been at the heart of a lively debate since the 1960s. On the one hand, the epistemic approaches based their formal arguments in the mathematics of Brouwer and intuitionistic logic. Following Michael Dummett, they started to call themselves 'antirealists'. Others persisted with the formal background of the Frege-Tarski tradition, where Cantorian set theory is linked via model theory to classical logic. Jaakko Hintikka tried to unify both traditions by means of what is now known as 'explicit epistemic logic'. Under this view, epistemic contents

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are introduced into the object language as operators yielding propositions from propositions, rather than as metalogical constraints on the notion of inference. The Realism-Antirealism debate has thus had three players: classical logicians, intuitionists and explicit epistemic logicians. The editors of the present volume believe that in the age of Alternative Logics, where manifold developments in logic happen at a breathtaking pace, this debate should be revisited. Contributors to this volume happily took on this challenge and responded with new approaches to the debate from both

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the explicit and the implicit epistemic point of view.

The amount of algebraic topology a graduate student specializing in topology must learn can be intimidating. Moreover, by their second year of graduate studies, students must make the transition from understanding simple proofs line-by-line to understanding the overall structure of proofs of difficult theorems. To help students make this transition, the material in this book is presented in an increasingly sophisticated manner. It is intended to bridge the gap between algebraic and geometric topology,

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both by providing the algebraic tools that a geometric topologist needs and by concentrating on those areas of algebraic topology that are geometrically motivated. Prerequisites for using this book include basic set-theoretic topology, the definition of CW-complexes, some knowledge of the fundamental group/covering space theory, and the construction of singular homology. Most of this material is briefly reviewed at the beginning of the book. The topics discussed by the authors include typical material for first- and second-year graduate courses. The core of the exposition consists of chapters

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on homotopy groups and on spectral sequences. There is also material that would interest students of geometric topology (homology with local coefficients and obstruction theory) and algebraic topology (spectra and generalized homology), as well as preparation for more advanced topics such as algebraic K -theory and the s -cobordism theorem. A unique feature of the book is the inclusion, at the end of each chapter, of several projects that require students to present proofs of substantial theorems and to write notes accompanying their explanations. Working on these projects allows students to

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grapple with the "big picture", teaches them how to give mathematical lectures, and prepares them for participating in research seminars. The book is designed as a textbook for graduate students studying algebraic and geometric topology and homotopy theory. It will also be useful for students from other fields such as differential geometry, algebraic geometry, and homological algebra. The exposition in the text is clear; special cases are presented over complex general statements.

In this charming volume, a noted English mathematician uses humor and anecdote to

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illuminate the concepts of groups, sets, subsets, topology, Boolean algebra, and other mathematical subjects. 200 illustrations.

Examines chivalry in the context of the Middle Ages

Canon 50D

Chivalry

The Path of Love

Lecture Notes in Algebraic Topology

Into Your Darkroom Step-by-step

Weird But True!, Level 1

Supergravity, together with string theory, is one of the most significant developments in theoretical physics.

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Written by two of the most respected workers in the this is the first-ever authoritative and systematic account of supergravity. The book starts by reviewing aspects of relativistic field theory in Minkowski spacetime. After introducing the relevant ingredients of differential geometry and gravity, some basic supergravity theories ($D=4$ and $D=11$) and the main gauge theory tools are explained. In the second half of the book, complex geometry and $N=1$ and $N=2$ supergravity theories are covered. Classical solutions and a chapter on AdS/CFT complete the book. Numerous exercises and examples make it ideal for Ph.D. students, and with applications

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model building, cosmology and solutions of supergravity theories, it is also invaluable to researchers. A website hosted by the authors, featuring solutions to some exercises and additional reading material, can be found at www.cambridge.org/supergravity.

Now that you've bought an amazing new DSLR, you need a book that goes beyond the camera manual to teach you how to take great shots. That's where *Composition: From Snapshots to Great Shots, Second Edition*, comes in, teaching you the fundamentals of composition—the creative arrangement of elements in shot, and the way a viewer's eye travels through an

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image—so you can get great shots no matter what gear you use. In this book, author and professional photographer Laurie Excell starts with the basics of composition—such as the popular rule of thirds—and illustrates how elements like color, shape, angles, and contrast work to create compelling images. In the process, she covers all key camera features that affect composition (regardless of what type of DSLR you have, including the ability to freeze and convey motion depending on what shutter speed you choose, and the correlation between aperture and depth of field. In addition to dozens of brand-new images and more in-

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depth coverage on topics such as patterns and texture and arranging elements in a frame, this revised edition features several completely new chapters. These will include a chapter of step-by-step examples that highlight the compositional technique used to get just the right shot; a new chapter on black-and-white photography; and a chapter on what to do after the shot—enhancing and editing the images in post-processing. Beautifully illustrated with large, vibrant photos, this book will help you bring your own unique artistic expression to any situation whether taking portraits, action shots, landscapes, or events, teaching you how to take contr

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of your photography to get the image you want every time you pick up the camera. The book includes coverage of Lightroom for image management; Nikon Capture NX2 for RAW processing; Photoshop for image processing; and NIK and OnOne software for creative effects.

This is the second edition of Wil van der Aalst's seminal book on process mining, which now discusses the field also in the broader context of data science and big data approaches. It includes several additions and updates, e.g. on inductive mining techniques, the notion of alignments, a considerably expanded section on software

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tools and a completely new chapter of process mining the large. It is self-contained, while at the same time covering the entire process-mining spectrum from process discovery to predictive analytics. After a general introduction to data science and process mining in Part I, Part II provides the basics of business process modeling and data mining necessary to understand the remainder of the book. Next, Part III focuses on process discovery as the most important process mining task, while Part IV moves beyond discovering the control flow of processes, highlighting conformance checking, and organizational and time perspectives. Part V offers a

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guide to successfully applying process mining in practice, including an introduction to the widely used open-source tool ProM and several commercial products. Lastly, Part VI takes a step back, reflecting on the material presented and the key open challenges. Overall, this book provides a comprehensive overview of the state of the art in process mining. It is intended for business process analysts, business consultants, process managers, graduate students, and BPM researchers.

Raspberry Pi Hacks

Source Theory and Its Applications

Application Software

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The Textbook of Digital Photography
Thoughts and Ways of Thinking
Canon PowerShot Digital Field Guide