

Les News Des Options Binaires En Bd V1 N9 French Edition

“We finally have the definitive treatise on PyTorch! It covers the basics and abstractions in great detail. I hope this book becomes your extended reference document.” —Soumith Chintala, co-creator of PyTorch

Key Features Written by PyTorch’s creator and key contributors

- Develop deep learning models in a familiar Pythonic way
- Use PyTorch to build an image classifier for cancer detection
- Diagnose problems with your neural network and improve training with data augmentation

Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

About The Book Every other day we hear about new ways to put deep learning to good use: improved medical imaging, accurate credit card fraud detection, long range weather forecasting, and more. PyTorch puts these superpowers in your hands. Instantly familiar to anyone who knows Python data tools like NumPy and Scikit-learn, PyTorch simplifies deep learning without sacrificing advanced features. It’s great for building quick models, and it scales smoothly from laptop to enterprise. Deep Learning with PyTorch teaches you to create deep learning and neural network systems with PyTorch. This practical book gets you to work right away building a tumor image classifier from scratch. After covering the basics, you’ll learn best practices for the entire deep learning pipeline, tackling advanced projects as your PyTorch skills become more sophisticated. All code samples are easy to explore in downloadable Jupyter notebooks.

What You Will Learn

- Understanding deep learning data structures such as tensors and neural networks
- Best practices for the PyTorch Tensor API, loading data in Python, and visualizing results
- Implementing modules and loss functions
- Utilizing pretrained models from PyTorch Hub
- Methods for training networks with limited inputs
- Sifting through unreliable results to diagnose and fix problems in your neural network
- Improve your results with augmented data, better model architecture, and fine tuning

This Book Is Written For For Python programmers with an interest in machine learning. No experience with PyTorch or other deep learning frameworks is required.

About The Authors Eli Stevens has worked in Silicon Valley for the past 15 years as a software engineer, and the past 7 years as Chief Technical Officer of a startup making medical device software. Luca Antiga is co-founder and CEO of an AI engineering company located in Bergamo, Italy, and a regular contributor to PyTorch. Thomas Viehmann is a Machine Learning and PyTorch speciality trainer and consultant based in Munich, Germany and a PyTorch core developer.

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Perl est un langage qui permet de manipuler facilement du texte, des fichiers et des processus. Aujourd'hui livré en standard sur la plupart des systèmes d'exploitation, il s'est progressivement imposé comme le langage de scripts de référence. Cette introduction est un tutorial pratique, conçu pour vous amener aussi rapidement que possible à l'écriture de scripts efficaces. Des exercices (ainsi que leurs solutions) accompagnent chaque chapitre. De nouveaux chapitres traitent des sous-routines, des expressions régulières, de la programmation CGI, de l'utilisation des modules de bibliothèques, des références et des constructions orientées objet de Perl. Ce livre propose : Une promenade

didactique à la découverte des spécificités de Perl. Une couverture systématique des nombreuses fonctionnalités de Perl. De nombreux exemples de code. Des exercices de programmation sur chaque sujet, ainsi que les réponses détaillées. Un exposé sur l'exécution de commandes système depuis les programmes Perl. Un précis d'exploitation de bases de données DBM à l'aide de Perl. Une introduction à la programmation CGI sur le Web. Dans cette mise à jour du best-seller du , " Llama book ", deux experts et formateurs Perl chevronnés montrent comment utiliser ce langage de script, devenu universel en ces temps de World Wide Web. Ce livre soigneusement équilibré constitue le guide officiel aussi bien pour l'apprentissage que la mise en œuvre du langage. Il est actuellement conforme à Perl 5,6. Cette nouvelle édition couvre à la fois Unix et Windows.

The CEFR Companion volume broadens the scope of language education. It reflects academic and societal developments since the publication of the Common European Framework of Reference for Languages (CEFR) and updates the 2001 version. It owes much to the contributions of members of the language teaching profession across Europe and beyond. This volume contains: ? an explanation of the key aspects of the CEFR for teaching and learning; ? a complete set of updated CEFR descriptors that replaces the 2001 set with: - modality-inclusive and gender-neutral descriptors; - added detail on listening and reading; - a new Pre–A1 level, plus enriched description at A1 and C levels; - a replacement scale for phonological competence; - new scales for mediation, online interaction and plurilingual/pluricultural competence; - new scales for sign language competence; ? a short report on the four-year development, validation and consultation processes. The CEFR Companion volume represents another step in a process of engagement with language education that has been pursued by the Council of Europe since 1971 and which seeks to: ? promote and support the learning and teaching of modern languages; ? enhance intercultural dialogue, and thus mutual understanding, social cohesion and democracy; ? protect linguistic and cultural diversity in Europe; and ? promote the right to quality education for all.

Portée par les politiques d'open data et les progrès technologiques en matière de traitement de données (notamment dans le contexte du big data), l'intelligence artificielle transforme de nombreux secteurs économiques, professions et services publics. La justice ne fait pas exception, ce qui pose des questions fondamentales sur les plans juridique et éthique. En matières civile et pénale, les algorithmes d'intelligence artificielle peuvent être utilisés pour aider le juge à trancher le litige. On peut toutefois imaginer qu'un rôle plus décisif leur soit octroyé, au point de se passer, purement et simplement, de toute intervention humaine. Par ailleurs, les avocats et les assureurs protection juridique sont intéressés par ces outils, notamment à des fins de justice prédictive, ce qui peut avoir un impact sur le service rendu au justiciable. Le rôle joué par les legaltechs dans l'environnement judiciaire méritait aussi d'être analysé, dès lors qu'ils peuvent conduire à une redéfinition des services rendus par les acteurs « traditionnels » de la justice. L'ouvrage reprend les actes du colloque international "Le juge et l'algorithme : juges augmentés ou justice diminuée ?" organisé par le Centre de Recherche Information Droit et Société (CRIDS – membre du NaDI) de l'Université de Namur. Les auteurs analysent les enjeux que les nouvelles ressources technologiques posent au fonctionnement de la justice civile et pénale, en termes d'opportunités et de risques. Plusieurs acteurs de la justice, d'horizons divers, livrent ensuite leurs regards croisés sur les défis posés par l'IA dans ce domaine. Enfin, des contributions présentent des expériences étrangères ainsi que certaines potentialités techniques.

This publication aims to provide a valuable and practical tool for those countries where court decisions in the copyright domain are scarce or non-existent - either because copyright law is a fairly new phenomenon or because legislation has not been extensively applied. To that effect, this publication examines a carefully selected number of court decisions illustrating general principles of copyright law, drawn from

common law, civil law and the legislative systems of Arab countries. As the basic principles illustrated here are to a large extent commonly shared, many of the cases presented have a wider relevance, going beyond the confines of the legal system of which they form a part. L'objet du présent recueil est d'offrir un outil précieux et commode aux pays dont la jurisprudence en matière de droit d'auteur est restreinte ou inexistante, soit parce que le droit d'auteur est une réalité relativement nouvelle pour eux, soit parce que la législation en vigueur dans ce domaine n'a pas été largement appliquée. À cette fin, le présent ouvrage expose un certain nombre de décisions de justice, soigneusement sélectionnées, qui illustrent les principes généraux du droit d'auteur et qui émanent de la common law, du droit civil et des systèmes législatifs des pays arabes. Compte tenu de la valeur quasi universelle de ces principes fondamentaux, la pertinence des cas présentés va bien souvent au-delà des limites du système juridique dont ils relèvent.

Since its publication, C.F. Gauss's *Disquisitiones Arithmeticae* (1801) has acquired an almost mythical reputation, standing as an ideal of exposition in notation, problems and methods; as a model of organisation and theory building; and as a source of mathematical inspiration. Eighteen authors - mathematicians, historians, philosophers - have collaborated in this volume to assess the impact of the *Disquisitiones*, in the two centuries since its publication.

Les systèmes BSD (FreeBSD, OpenBSD et NetBSD) sont, au même titre que Linux, des UNIX libres. Réputés pour leur fiabilité et leur qualité, ils excellent en tant que serveurs ou pare-feux dans les réseaux d'entreprise. Ce cahier révèle les dessous d'UNIX et détaille toutes les opérations d'administration UNIX/BSD : gestion des comptes, initialisation de la machine, configuration des serveurs web, DNS et de messagerie, filtrage de paquets... Autant de connaissances réutilisables sous d'autres systèmes UNIX, et en particulier Linux.

The *Forex Options Course* is a practical, hands-on guide to understanding and trading forex options. Designed to build a trader's knowledge base in a step-by-step manner, this reliable resource moves from the straightforward to the more sophisticated with discussions of everything from basic plain vanilla calls and puts to intriguing first-generation exotic binary options. Written in a straightforward and accessible style, *The Forex Options Course* will help you develop the skills and strategies needed to succeed in today's dynamic forex market.

Building on the theoretical and philosophical work found in *Removing the Margins*, *Inclusive Schooling: A Teacher's Companion to Removing the Margins* lays out a practical approach to inclusive schooling for educators. As an accompanying volume, this companion guide helps move inclusive schooling from theory to social action. *Removing the Margins* identified and challenged many of the cultural and systematic paradigms that perpetuate racism and other forms of oppression in mainstream schooling. *Inclusive Schooling* shows that by collapsing the artificial boundaries between schools, off-school sites, local communities and families, and by welcoming the spiritualities, languages, and indigenous knowledges that students bring with them, schools can be transformed from sources of oppression into sites for social transformation.

This book provides mental health professionals with a guide to the Gender Affirmative Model, the leading approach to providing culturally competent care to transgender and gender expansive children and their families.

Nothing provided

An updated edition of the Sunday Times Bestseller Britain's best-known classicist Mary Beard, is also a committed and vocal feminist. With wry wit, she revisits the gender agenda and shows how history has treated powerful women. Her examples range from the classical world to the modern day, from Medusa and Athena to Theresa May and Hillary Clinton. Beard explores the cultural underpinnings of misogyny, considering the public voice of women, our cultural assumptions about women's relationship with power, and how powerful women resist being packaged into a male template. A year on since the advent of #metoo, Beard looks at how the discussions have moved on during this time, and how that intersects with issues of rape and consent, and the stories men tell themselves to support their actions. In trademark Beardian style, using examples ancient and modern, Beard argues, 'it's time for change - and now!' From the author of international bestseller SPQR: A History of Ancient Rome.

In the past decades, translation studies have increasingly focused on the ethical dimension of translational activity, with an emphasis on reflexivity to assert the role of the researcher in highlighting issues of visibility, creativity and ethics. In Reflexive Translation Studies, Silvia Kadiu investigates the viability of theories that seek to empower translation by making visible its transformative dimension; for example, by championing the visibility of the translating subject, the translator's right to creativity, the supremacy of human translation or an autonomous study of translation. Inspired by Derrida's deconstructive thinking, Kadiu presents practical ways of challenging theories that argue reflexivity is the only way of developing an ethical translation. She questions the capacity of reflexivity to counteract the power relations at play in translation (between minor and dominant languages, for example) and problematises affirmative claims about (self-)knowledge by using translation itself as a process of critical reflection. In exploring the interaction between form and content, Reflexive Translation Studies promotes the need for an experimental, multi-sensory and intuitive practice, which invites students, scholars and practitioners alike to engage with theory productively and creatively through translation. This book holds that education should be about producing knowledge for social action. Inclusivity goes beyond special education or special interests and is intrinsically tied to how schools respond to the needs and concerns of all students from diverse racial, ethnic, gender, sexual, class, religious, linguistic, and cultural backgrounds. All students are cheated when a dominant, rather than a diverse, learning environment is provided. By collapsing the artificial boundaries between schools, off-school sites, local communities and families, and by welcoming the spiritualities, languages, and indigenous knowledges that students bring with them, schools can be transformed from sources of oppression into sites for social transformation. This book is the product of five years of research and writing in the search for best practices in inclusive education. The authors address the philosophical and theoretical bases for Inclusivity in this book.

This book maps various national legal responses to gender mobility, including sex and name registration, access to gender modification interventions, and anti-discrimination protection (or lack thereof) and regulations. The importance of the underlying legislation and history is underlined in order to understand the law's functions concerning discrimination, exclusion, and violence, as well as the problematic nature of introducing biology into the regulation of human relations, and using it to justify pain and suffering. The respective chapters also highlight how various governmental authorities, as well as civil society, have been integral in fostering or impeding the welfare of trans persons, from judges and legislators, to medical commissions and law students. A collective effort of scholars scattered around the globe, this book recognizes the international trend toward self-determination in sex classification and a generous guarantee of rights for individuals expressing diverse gender identities. The book advocates the dissemination of a model for the protection of rights that not only focuses on formal equality, but also addresses the administrative obstacles that trans persons face in their daily lives. In addition, it underscores the importance of courts in either advancing or obstructing the realization of individual rights.

How prepared are you to build fast and efficient web applications? This eloquent book provides what every web developer should know about the network, from fundamental limitations that affect performance to major innovations for building even more powerful browser applications—including HTTP 2.0 and XHR improvements, Server-Sent Events (SSE), WebSocket, and WebRTC. Author Ilya Grigorik, a web performance engineer at Google, demonstrates performance optimization best practices for TCP, UDP, and TLS protocols, and explains unique wireless and mobile network optimization requirements. You'll then dive into performance characteristics of technologies such as HTTP 2.0, client-side network scripting with XHR, real-time streaming with SSE and WebSocket, and P2P communication with WebRTC. Deliver superlative TCP, UDP, and TLS performance Speed up network performance over 3G/4G mobile networks Develop fast and energy-efficient mobile applications Address bottlenecks in HTTP 1.x and other browser protocols Plan for and deliver the best HTTP 2.0 performance Enable efficient real-time streaming in the browser Create efficient peer-to-peer videoconferencing and low-latency applications with real-time WebRTC transports Explores a literary translation dedicated more to the reader's perception and experience of text than to textual interpretation.

Light symbolises the highest good, it enables all visual art, and today it lies at the heart of billion-dollar industries. The control of light forms the foundation of contemporary vision. Digital Light brings together artists, curators, technologists and media archaeologists to study the historical evolution of digital light-based technologies. Digital Light provides a critical account of the capacities and limitations of contemporary digital light-based technologies and techniques by tracing their genealogies and comparing them with their predecessor media. As digital light remediates multiple historical forms (photography, print, film, video, projection, paint), the collection draws from all of these histories, connecting them to the digital present and placing them in dialogue with one another. Light is at once universal and deeply historical. The invention of mechanical media (including photography and cinematography) allied with changing print technologies (half-tone, lithography) helped structure the emerging electronic media of television and video, which in turn shaped the bitmap processing and raster display of digital visual media.

Digital light is, as Stephen Jones points out in his contribution, an oxymoron: light is photons, particulate and discrete, and therefore always digital. But photons are also waveforms, subject to manipulation in myriad ways. From Fourier transforms to chip design, colour management to the translation of vector graphics into arithmetic displays, light is constantly disciplined to human purposes. In the form of fibre optics, light is now the infrastructure of all our media; in urban plazas and handheld devices, screens have become ubiquitous, and also standardised. This collection addresses how this occurred, what it means, and how artists, curators and engineers confront and challenge the constraints of increasingly normalised digital visual media. While various art pieces and other content are considered throughout the collection, the focus is specifically on what such pieces suggest about the intersection of technique and technology. Including accounts by prominent artists and professionals, the collection emphasises the centrality of use and experimentation in the shaping of technological platforms. Indeed, a recurring theme is how techniques of previous media become technologies, inscribed in both digital software and hardware. Contributions include considerations of image-oriented software and file formats; screen technologies; projection and urban screen surfaces; histories of computer graphics, 2D and 3D image editing software, photography and cinematic art; and transformations of light-based art resulting from the distributed architectures of the internet and the logic of the database. Digital Light brings together high profile figures in diverse but increasingly convergent fields, from academy award-winner and co-founder of Pixar, Alvy Ray Smith to feminist philosopher Cathryn Vasseleu. This work was published by Saint Philip Street Press pursuant to a Creative Commons license permitting commercial use. All rights not granted by the work's license are retained by the author or authors.

"The perfection of visualization, now and in the future, is a main desire of all graphic designers. Proceeding from shape elements, the raw material of creative experimenters, the following book ranges from methods of training to semantics in its various forms. There are indications of sign systems, experiments using letters, pictographs, symbols, film, television and computer designing giving exhaustive information on new methods of making international communication possible."--book jacket.

Drawing on postcolonial theory this text offers a critique of international management. It argues that such disciplines are Western discourses and exhibit historical and current resonances with the vicissitudes of the so called 'colonial project'. The book explores alternative approaches to the question of the 'other' in late global capitalism.

Avalanches, mudflows and landslides are common and natural phenomena that occur in mountainous regions. With an emphasis on snow avalanches, this book provides a survey and discussion about the motion of avalanche-like flows from initiation to run out. An important aspect of this book is the formulation and investigation of a simple but appropriate continuum mechanical model for the realistic prediction of geophysical flows of granular material.

EXPERT, DEPENDABLE FOREX COACHING—UPDATED TO KEEP YOU AHEAD IN AN EVOLVING MARKET The Forex Trading Course is the systematic guide aspiring traders need to enter the market with the confidence and skills necessary to generate wealth. Masterfully written so both basic and complex concepts are readily accessible, this all-inclusive training tool outlines a practical course of action to develop strategies integrating fundamental and technical

analysis. It also demonstrates how to identify high-probability patterns and trades, adjust your trading plan for different account sizes, use emotional intelligence to improve trading performance, and much more. This second edition is fully revised to address:

- Changes brought about by quantitative easing and central bank intervention—including greater spikes and disruptions in the forex and the influence of global growth and inflation on the market
- Using binary options with forex trades to make accurate predictions on direction, targets, and stops
- Social media trading and how to navigate herding behavior and swarming patterns
- The latest insights and trends in cryptocurrencies such as Bitcoin

Complete with practice assignments to reinforce the material and a supplemental website to enhance your knowledge, *The Forex Trading Course, Second Edition* unlocks your optimal potential for profitable currency trading.

This monograph is structured as a collection of clinical case studies all addressing the relationship between lexicon and morphosyntax. It shows that various less-studied aphasic syndromes – including Logopenic Primary Progressive Aphasia, Mixed Trascortical Aphasia, and Crossed Aphasia – and not only ‘classic’ Broca’s Aphasia can enhance findings worthy of consideration in contemporary theoretical debates on the status of traditional categories, and particularly on the lexical/functional divide in grammar. The rationale of this study is precisely to build a bridge between experimental evidence from clinical linguistics and theoretical arguments from morpho-syntactic analysis. Furthermore, this book addresses the recent resurgence of interest within neuropsychology in single case studies, which can be crucial in order to corroborate (or falsify) theoretical advancements in linguistics.

A partir de la version 2.4 du noyau, l'écriture de pilotes de périphériques pour Linux a changé de manière significative : de nombreuses tâches ont été simplifiées et de nouvelles fonctionnalités rendent le développement de nouveaux pilotes plus souple et plus efficace. C'est aussi avec 2.4 que les interfaces SMP ou USB ont atteint leur maturité. Cette seconde édition de *Pilotes de périphériques sous Linux* vous permettra d'aborder progressivement l'écriture de pilotes et ainsi de créer vos propres modules noyau, quel que soit le type de matériel que vous souhaitez contrôler : cet ouvrage explore en détail les gestionnaires de périphériques orientés caractères, blocs et interfaces réseau, les espaces d'adressage, les événements asynchrones et les E/S. Il montre également comment optimiser la portabilité de Linux sur plusieurs plates-formes matérielles. Parmi les principaux thèmes abordés :

- Configuration correcte des modules du noyau.
- Pilotes orientés caractères : méthode ioctl, blocage des E/S, scullpipe.
- Techniques de débogage.
- Interfaces logicielles : gestion du temps et de la mémoire.
- Le matériel : les ports d'E/S, les tampons mémoire et la gestion des interruptions.
- Modularisation : kmod.
- Implémentation de pilotes blocs.
- Problèmes de mémoire : MMAP et DMA.
- Pilotes réseau.
- Bus périphériques.

Cette mise à jour prend en compte les nouveautés (appels systèmes et processus) du noyau 2.4 de Linux, sans pour autant oublier les versions antérieures. Vous pourrez compiler les exemples concrets de cet ouvrage et

ceci sans matériel particulier. Ils ont été testés sur les IA32 (PC), IA 64, Power PC, SPARC et SPARC 64, Alpha, ARM et MIPS. Cet ouvrage s'adresse à tous ceux qui souhaitent contrôler des périphériques sous Linux ou développer un nouveau matériel exploitable sous cet OS. Seules des notions en C et une connaissance générale du système Linux sont requises.

Etudie la mise en place d'une architecture d'imprimantes en réseau capable d'accepter tous les types de postes client s'appuyant sur des machines Linux en guise de serveurs d'impression.

Within the past 15 years, the field of archival studies around the world has experienced unprecedented growth and archival studies graduate education programs today have among the highest enrollments in any information field. During the same period, there has also been unparalleled expansion and innovation in the diversity of methods and theories being applied in archival scholarship. Global in scope, *Research in the Archival Multiverse* compiles critical and reflective essays across a wide range of emerging research areas and interests in archival studies with the aim of providing current and future archival academics with a text addressing possible methods and theoretical frameworks that have been and might be used in archival scholarship. More than a collation of research methods for handy reference, this volume advocates for reflexive research practice as a means by which to lay bare the fuzziness and messiness of research. Whereas research in the form of published research papers and juried conference presentations provide a view of the study framed in terms of research questions and findings, reflexive research practice reveals the context of the study and chains of situations, choices, and decisions that influence the trajectories of the studies themselves. Such elucidations from the position of the researcher are instructive for others, who may be inspired to apply or adapt the method for their own research. (Series: ?Social Informatics) [Subject: Research Studies

Since the first edition of *On Being a Scientist* was published in 1989, more than 200,000 copies have been distributed to graduate and undergraduate science students. Now this well-received booklet has been updated to incorporate the important developments in science ethics of the past 6 years and includes updated examples and material from the landmark volume *Responsible Science* (National Academy Press, 1992). The revision reflects feedback from readers of the original version. In response to graduate students' requests, it offers several case studies in science ethics that pose provocative and realistic scenarios of ethical dilemmas and issues. *On Being a Scientist* presents penetrating discussions of the social and historical context of science, the allocation of credit for discovery, the scientist's role in society, the issues revolving around publication, and many other aspects of scientific work. The booklet explores the inevitable conflicts that arise when the black and white areas of science meet the gray areas of human values and biases. Written in a conversational style, this booklet will be of great interest to students entering scientific research, their instructors and

mentors, and anyone interested in the role of scientific discovery in society.

A practical guide to profiting from the proper use of sentiment indicators In *Sentiment Indicators*, noted trading expert Abe Cofnas draws on his own trading and training experience as he shares his knowledge about the latest techniques and strategies for using Renko, price break, Kagi, and point and figure tools to successfully analyze all markets. Written with the serious trader in mind, *Sentiment Indicators* offers key information on these potential-filled tools and how to use each in shaping trading strategies. Along the way, it provides a practical overview of how to implement these little-known indicators and why each can enhance your trading endeavors. Shows how these indicators work in different markets: futures, equities, forex, and others Provides a solid understanding of charting techniques and uses real-world examples to illustrate strategies and tactics Presents new sentiment research that analyzes word mining and what it means for markets From historical context and Robot Trading alerts to the critical factors of a trading system, *Sentiment Indicators* presents a proven approach to trading that will help you identify conditions that have a high probability of profit.

From news and speeches to informal chatter on social media, natural language is one of the richest and most underutilized sources of data. Not only does it come in a constant stream, always changing and adapting in context; it also contains information that is not conveyed by traditional data sources. The key to unlocking natural language is through the creative application of text analytics. This practical book presents a data scientist's approach to building language-aware products with applied machine learning. You'll learn robust, repeatable, and scalable techniques for text analysis with Python, including contextual and linguistic feature engineering, vectorization, classification, topic modeling, entity resolution, graph analysis, and visual steering. By the end of the book, you'll be equipped with practical methods to solve any number of complex real-world problems. Preprocess and vectorize text into high-dimensional feature representations Perform document classification and topic modeling Steer the model selection process with visual diagnostics Extract key phrases, named entities, and graph structures to reason about data in text Build a dialog framework to enable chatbots and language-driven interaction Use Spark to scale processing power and neural networks to scale model complexity

Trading Binary Options Strategies and Tactics John Wiley & Sons

A clear and practical guide to using binary options to speculate, hedge, and trade *Trading Binary Options* is a strategic primer on effectively navigating this fast-growing segment. With clear explanations and a practical perspective, this authoritative guide shows you how binaries work, the strategies that bring out their strengths, how to integrate them into your current strategies, and much more. This updated second edition includes new coverage of Cantor-Fitzgerald binaries, New York Stock Exchange binaries, and how to use binaries to hedge trading, along with expert insight on the markets in which binaries are available. Independent traders and investors will find useful guidance on speculating on price movements or hedging their stock portfolios using these simple, less complex options with potentially substantial impact. Binary options provide either a fixed payout or nothing at all. While it sounds simple enough, using them effectively requires a more nuanced understanding of how, where, and why they work. This book provides the critical knowledge you need to utilize binary options to optimal effect. Learn hedging and trading strategies specific to binaries Choose the markets with best liquidity and lowest expenses Find the right broker for your particular binary options strategy Utilize binaries in conjunction with other strategies Popular in the over-the-counter market,

binary options are frequently used to hedge or speculate on commodities, currencies, interest rates, and stock indices. They have become available to retail traders through the Chicago Board Options Exchange and the American Stock Exchange, as well as various online platforms, allowing you the opportunity to add yet another tool to your investing arsenal. Trading Binary Options is the essential resource for traders seeking clear guidance on these appealing options.

Apple's definitive guide to the powerful AppleScript scripting language, this book provides essential information for Macintosh power users and programmers who want to use AppleScript to write new scripts, modify existing scripts, or write scriptable applications.

Praise for *The Volatility Surface* "I'm thrilled by the appearance of Jim Gatheral's new book *The Volatility Surface*. The literature on stochastic volatility is vast, but difficult to penetrate and use. Gatheral's book, by contrast, is accessible and practical. It successfully charts a middle ground between specific examples and general models--achieving remarkable clarity without giving up sophistication, depth, or breadth."

--Robert V. Kohn, Professor of Mathematics and Chair, Mathematical Finance Committee, Courant Institute of Mathematical Sciences, New York University "Concise yet comprehensive, equally attentive to both theory and phenomena, this book provides an unsurpassed account of the peculiarities of the implied volatility surface, its consequences for pricing and hedging, and the theories that struggle to explain it."

--Emanuel Derman, author of *My Life as a Quant* "Jim Gatheral is the wildest practitioner in the business. This very fine book is an outgrowth of the lecture notes prepared for one of the most popular classes at NYU's esteemed Courant Institute. The topics covered are at the forefront of research in mathematical finance and the author's treatment of them is simply the best available in this form." --Peter Carr, PhD,

head of Quantitative Financial Research, Bloomberg LP Director of the Masters Program in Mathematical Finance, New York University "Jim Gatheral is an acknowledged master of advanced modeling for derivatives. In *The Volatility Surface* he reveals the secrets of dealing with the most important but most elusive of financial quantities, volatility." --Paul Wilmott, author and mathematician "As a teacher in the field of mathematical finance, I welcome Jim Gatheral's book as a significant development. Written by a Wall Street practitioner with extensive market and teaching experience, *The Volatility Surface* gives students access to a level of knowledge on derivatives which was not previously available. I strongly recommend it." --Marco Avellaneda, Director, Division of Mathematical Finance Courant Institute, New York University

"Jim Gatheral could not have written a better book." --Bruno Dupire, winner of the 2006 Wilmott Cutting Edge Research Award Quantitative Research, Bloomberg LP

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