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[Thermodynamic Properties](#) American Mathematical Soc.

What happens when we blur time and allow ourselves to haunt or to become haunted by ghosts of the past? Drawing on archaeological, historical, and ethnographic data, *Blurring Timescapes, Subverting Erasure* demonstrates the value of conceiving of ghosts not just as metaphors, but as mechanisms for making the past more concrete and allowing the negative specters of enduring historical legacies, such as colonialism and capitalism, to be exorcised.

[Partial Differential Equations](#) Macmillan Higher Education

In this book, some of the world's foremost 'experts on expertise' provide scientific knowledge on expertise and expert performance.

[The Cambridge Handbook of Expertise and Expert Performance](#) American Mathematical Soc.

In recent years more emphasis has been placed in transport research on using existing roads as efficiently as possible in order to diminish the impact of traffic congestion. This book describes new theoretical, empirical and simulation models to analyse the impact of information provision to drivers and road pricing on congestion levels. It is the first publication presenting a wide variety of economic models to study information and road pricing effects jointly.

[Blurring Timescapes, Subverting Erasure](#) Pearson Higher Ed

This is the second edition of the now definitive text on partial differential equations (PDE). It offers a comprehensive survey of modern techniques in the theoretical study of PDE with particular emphasis on nonlinear equations. Its wide scope and clear exposition make it a great text for a graduate course in PDE.

For this edition, the author has made numerous changes, including a new chapter on nonlinear wave equations, more than 80 new exercises, several new sections, a significantly expanded bibliography. About the First Edition: I have used this book for both regular PDE and topics courses. It has a wonderful combination of insight and technical detail. ... Evans' book is evidence of his mastering of the field and the clarity of presentation. --Luis Caffarelli, University of Texas It is fun to teach from Evans' book. It explains many of the essential ideas and techniques of partial differential equations ... Every graduate student in analysis should read it. --David Jerison, MIT I use *Partial Differential Equations* to prepare my students for their Topic exam, which is a requirement before starting working on their dissertation. The book provides an excellent account of PDE's ... I am very happy with the preparation it provides my students.

--Carlos Kenig, University of Chicago Evans' book has already attained the status of a classic. It is a clear choice for students just learning the subject, as well as for experts who wish to broaden their knowledge ... An outstanding reference for many aspects of the field. --Rafe Mazzeo, Stanford University

[Business Analytics](#) MIT Press

These lecture notes have been written as an introduction to the characteristic theory for two-dimensional Monge-Ampère equations, a theory largely developed by H. Lewy and E. Heinz which has never been presented in book form. An exposition of the Heinz-Lewy theory requires auxiliary material which can be found in various monographs, but which is presented here, in part because the focus is different, and also because these notes have an introductory character. Self-contained introductions to the regularity theory of elliptic systems, the theory of pseudoanalytic functions and the theory of conformal mappings are included. These notes grew out of a seminar given at the University of Kentucky in the fall of 1988 and are intended for graduate students and researchers interested in this area.

[Fully Nonlinear Elliptic Equations](#) Springer Science & Business Media

Much previous literature on sacred natural sites has been written from a non-indigenous perspective. In contrast, this book facilitates a greater self-expression of indigenous perspectives regarding treatment of the sacred and its protection and governance in the face of threats from various forms of natural resource exploitation and development. It provides indigenous custodians the opportunity to explain how they view and treat the sacred through a written account that is available to a global audience. It thus illuminates similarities and differences of both definitions, interpretations and governance approaches regarding sacred natural phenomena and their conservation. The volume presents an international range of case studies, from the recent controversy of pipeline construction at Standing Rock, a sacred site for the Sioux people spanning North and South Dakota, to others located in Australia, Canada, East Timor, Hawaii, India, Mexico, Myanmar, Nigeria and the Philippines. Each chapter includes an analytical introduction and conclusion written by the editors to identify common themes, unique insights and key messages. The book is therefore a valuable teaching resource for students of indigenous studies, anthropology, religion, heritage, human rights and law, nature conservation and environmental protection. It will also be of great interest to professionals and NGOs concerned with nature and heritage conservation.

[Electrochemical Techniques in Corrosion Science and Engineering](#) Cambridge Handbooks in Psychology

These notes provide a concise introduction to stochastic differential equations and their application to the study of financial markets and as a basis for modeling diverse physical phenomena. They are accessible to non-specialists and make a valuable addition to the collection of texts on the topic. --Srinivasa Varadhan, New York University This is a handy and very useful text for studying

stochastic differential equations. There is enough mathematical detail so that the reader can benefit from this introduction with only a basic background in mathematical analysis and probability. --George Papanicolaou, Stanford University This book covers the most important elementary facts regarding stochastic differential equations; it also describes some of the applications to partial differential equations, optimal stopping, and options pricing. The book's style is intuitive rather than formal, and emphasis is made on clarity. This book will be very helpful to starting graduate students and strong undergraduates as well as to others who want to gain knowledge of stochastic differential equations. I recommend this book enthusiastically. --Alexander Lipton, Mathematical Finance Executive, Bank of America Merrill Lynch This short book provides a quick, but very readable introduction to stochastic differential equations, that is, to differential equations subject to additive "white noise" and related random disturbances. The exposition is concise and strongly focused upon the interplay between probabilistic intuition and mathematical rigor. Topics include a quick survey of measure theoretic probability theory, followed by an introduction to Brownian motion and the Ito stochastic calculus, and finally the theory of stochastic differential equations. The text also includes applications to partial differential equations, optimal stopping problems and options pricing. This book can be used as a text for senior undergraduates or beginning graduate students in mathematics, applied mathematics, physics, financial mathematics, etc., who want to learn the basics of stochastic differential equations. The reader is assumed to be fairly familiar with measure theoretic mathematical analysis, but is not assumed to have any particular knowledge of probability theory (which is rapidly developed in Chapter 2 of the book).

[Partial Differential Equations](#) John Wiley & Sons

Partial Differential Equations presents a balanced and comprehensive introduction to the concepts and techniques required to solve problems containing unknown functions of multiple variables. While focusing on the three most classical partial differential equations (PDEs)—the wave, heat, and Laplace equations—this detailed text also presents a broad practical perspective that merges mathematical concepts with real-world application in diverse areas including molecular structure, photon and electron interactions, radiation of electromagnetic waves, vibrations of a solid, and many more. Rigorous pedagogical tools aid in student comprehension; advanced topics are introduced frequently, with minimal technical jargon, and a wealth of exercises reinforce vital skills and invite additional self-study. Topics are presented in a logical progression, with major concepts such as wave propagation, heat and diffusion, electrostatics, and quantum mechanics placed in contexts familiar to students of various fields in science and engineering. By understanding the properties and applications of PDEs, students will be equipped to better analyze and interpret central processes of the natural world. Mary Douglas "O'Reilly Media, Inc."

This book provides a basic introductory course in partial differential equations, in which theory and applications are interrelated and developed side by side. Emphasis is on proofs, which are not only mathematically rigorous, but also constructive, where the structure and properties of the solution are investigated in detail. The authors feel that it is no longer necessary to follow the tradition of introducing the subject by deriving various partial differential equations of continuum mechanics and theoretical physics. Therefore, the subject has been introduced by mathematical analysis of the simplest, yet one of the most useful (from the point of view of applications), class of partial differential equations, namely the equations of first order, for which existence, uniqueness and stability of the solution of the relevant problem (Cauchy problem) is easy to discuss. Throughout the book, attempt has been made to introduce the important ideas from relatively simple cases, some times by referring to physical processes, and then extending them to more general systems.

[Assessing Rational Expectations 2](#) Routledge

[Translations of Mathematical Monographs](#)

[Partial Differential Equations in Action](#) Springer

This book describes the origin, use, and limitations of electrochemical phase diagrams, testing schemes for active, passive, and localized corrosion, the development and electrochemical characterization of passivity, and methods in process alteration, failure prediction, and materials selection. It offers useful guidelines for assessing the efficacy of corrosion inhibitors and coatings for metals and alloys, developing effective corrosion prediction models, calculating the corrosion rates of various materials, determining the resistance of alloys to pitting and crevice corrosion, and considering current and potential distribution effects on corrosion.

[An Introduction to Stochastic Differential Equations](#) Elsevier

[Partial Differential Equations: Graduate Level Problems and Solutions](#) By Igor Yanovsky

[Semiclassical Analysis](#) American Mathematical Soc.

This book concentrates on first boundary-value problems for fully nonlinear second-order uniformly elliptic and parabolic equations with discontinuous coefficients. We look for solutions in Sobolev classes, local or global, or for viscosity solutions. Most of the auxiliary results, such as Aleksandrov's elliptic and parabolic estimates, the Krylov-Safonov and the Evans-Krylov theorems, are taken from old sources, and the main results were obtained in the last few years. Presentation of these results is based on a generalization of the Fefferman-Stein theorem, on Fang-Hua Lin's like estimates, and on the so-called "ersatz" existence theorems, saying that one can slightly modify "any" equation and get a "cut-off" equation that has solutions with bounded derivatives. These theorems allow us to prove the solvability in Sobolev classes for equations that are quite far from the ones which are convex or concave with respect to the Hessians of the unknown functions. In studying viscosity solutions, these theorems also allow us to deal with classical approximating solutions, thus avoiding sometimes heavy constructions from the usual theory of viscosity solutions.

[A First Course in Differential Equations](#) John Wiley & Sons

An excellent resource for all graduate students and researchers using electrochemical techniques. After introducing the reader to the fundamentals, the book focuses on the latest developments in the techniques and applications in this field. This second edition contains

new material on environmentally-friendly solvents, such as room-temperature ionic liquids.

[Life as We Knew it](#) Springer Science & Business Media

This book is about differentiation of functions. It is divided into two parts, which can be used as different textbooks, one for an advanced undergraduate course in functions of one variable and one for a graduate course on Sobolev functions. The first part develops the theory of monotone, absolutely continuous, and bounded variation functions of one variable and their relationship with Lebesgue – Stieltjes measures and Sobolev functions. It also studies decreasing rearrangement and curves. The second edition includes a chapter on functions mapping time into Banach spaces. The second part of the book studies functions of several variables. It begins with an overview of classical results such as Rademacher's and Stepanoff's differentiability theorems, Whitney's extension theorem, Brouwer's fixed point theorem, and the divergence theorem for Lipschitz domains. It then moves to distributions, Fourier transforms and tempered distributions. The remaining chapters are a treatise on Sobolev functions. The second edition focuses more on higher order derivatives and it includes the interpolation theorems of Gagliardo and Nirenberg. It studies embedding theorems, extension domains, chain rule, superposition, Poincaré's inequalities and traces. A major change compared to the first edition is the chapter on Besov spaces, which are now treated using interpolation theory.

Theory and Extensions Routledge

The second edition of the best-selling Python book in the world (over 1 million copies sold!). A fast-paced, no-nonsense guide to programming in Python. Updated and thoroughly revised to reflect the latest in Python code and practices. Python Crash Course is the world's best-selling guide to the Python programming language. This fast-paced, thorough introduction to programming with Python will have you writing programs, solving problems, and making things that work in no time. In the first half of the book, you'll learn basic programming concepts, such as variables, lists, classes, and loops, and practice writing clean code with exercises for each topic. You'll also learn how to make your programs interactive and test your code safely before adding it to a project. In the second half, you'll put your new knowledge into practice with three substantial projects: a Space Invaders-inspired arcade game, a set of data visualizations with Python's handy libraries, and a simple web app you can deploy online. As you work through the book, you'll learn how to:

- Use powerful Python libraries and tools, including Pygame, Matplotlib, Plotly, and Django
- Make 2D games that respond to keypresses and mouse clicks, and that increase in difficulty
- Use data to generate interactive visualizations
- Create and customize web apps and deploy them safely online
- Deal with mistakes and errors so you can solve your own programming problems

If you've been thinking about digging into programming, Python Crash Course will get you writing real programs fast. Why wait any longer? Start your engines and code!

American Mathematical Soc.

This book presents a model for analyzing and evaluating ethnographic arguments. It examines the relationship between the claims anthropologists make about human behavior and the data they use to warrant them. Jacobson analyzes the textual organization of ethnographies, focusing on the ways in which problems, interpretations, and data are put together. He examines in detail a limited number of well-known ethnographic cases, which are selected to illustrate basic theoretical frameworks and modes of analysis. By advancing a method for assessing ethnographic accounts, the book contributes to the current debate on the role of rhetoric and reflexivity in anthropology.

[Symmetrization in Analysis](#) John Wiley & Sons

There are many excellent texts on elementary differential equations designed for the standard sophomore course. However, in spite of the fact that most courses are one semester in length, the texts have evolved into calculus-like presentations that include a large collection of methods and applications, packaged with student manuals, and Web-based notes, projects, and supplements. All of this comes in several hundred pages of text with busy formats. Most students do not have the time or desire to read voluminous texts and explore internet supplements. The format of this differential equations book is different; it is a one-semester, brief treatment of the basic ideas, models, and solution methods. Its limited coverage places it somewhere between an outline and a detailed textbook. I have tried to write concisely, to the point, and in plain language. Many worked examples and exercises are included. A student who works through this primer will have the tools to go to the next level in applying differential equations to problems in engineering, science, and applied mathematics. It can give some instructors, who want more concise coverage, an alternative to existing texts.

Statistics, Data Analysis, and Decision Modeling: International Edition Cengage Learning

Packed with relevant, real-world illustrations and cases, QUALITY AND PERFORMANCE EXCELLENCE, 6e presents the basic principles and tools associated with quality and performance excellence through cutting-edge coverage that includes the latest thinking and practices from the field. This proven text has three primary objectives: familiarize students with the basic principles and methods, show how these principles and methods have been put into effect in a variety of organizations, and illustrate the relationship between basic principles and the popular theories and models studied in management courses. Extremely flexible and student friendly, the text is organized according to traditional management topics, helping students quickly see the connections between quality principles and management theories. Excellent case studies give students practical experience working with real-world issues. Many cases focus on large and small companies in manufacturing and service industries in North and South America, Europe, and Asia-Pacific. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

R for Data Science Houghton Mifflin Harcourt

Analisi: TRASPORTI. In generale. ECONOMETRIA. Econometria applicata.