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Life as We Knew it
SPIE Press
There are many excell

enttextson elementary evolved into calculus-
di?erentialequationsd like pres- tations that
esignedfor the include a large
standard sophomore collection of
course. However, in methods and
spite of the fact that applications,
most courses are one packaged with
semester in length, student manuals, and
the texts have 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. An Intellectual Biography American Mathematical Soc. This book represents the major accomplishments of social scientists who have pioneered in data sharing, highlighting the advantages for social science. It includes an examination of the

reasons for data sharing, the specific sharing practices in various disciplines, the factors affecting the usefulness of shared data and individual and institutional concerns about data sharing. It will be useful to academics across the social sciences. The Gravity Model in Transportation Analysis Springer Science & Business Media 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.

Thermodynamic

Properties Houghton Mifflin Harcourt

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.

The Stefan Problem

American Mathematical Soc.

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. and the economics, consumption, religion and risk analysis in contemporary societies. Throughout, Fardon highlights the centrality of Douglas' role in the history of anthropology and the discipline's struggle to achieve relevance to contemporary , western societies. Thinking Between the Lines "O'Reilly

Reading Ethnography SAGE

This is the first full length account of the life and ideas of Mary Douglas, the British social anthropologist whose publications span the second half of the twentieth century. Richard Fardon covers Douglas' family background,

and the pervasive influence of her catholic faith on her writings before providing an analysis of two of her most influential works; *Purity and Danger* (1966) and *Natural Symbols* (1970). The final section deals with Douglas' more controversia l writings in the fields of

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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. Culture, Governance and Conservation Springer Unlike traditional introductory math/stat textbooks, Probability and Statistics: The Science of Uncertainty brings a modern flavor based on incorporating the computer to the course and an integrated approach to

inference. From the start the book integrates simulations into its theoretical coverage, and emphasizes the use of computer-powered computation throughout.* Math and science majors with just one year of calculus can use this text and experience a refreshing blend of applications and theory that goes beyond merely mastering the

technicalities separate elementary methods. They'll get chapter is devoted to a thorough grounding in the important topic of probability theory, and model checking and Minitab code go beyond this is for more that to the applied in involved theory of the context computations. statistical inference and of the standard The code can its applications. applied students as An integrated statistical templates for approach to techniques. their own inference is Examples of calculations. presented data analyses If a software that includes using real- package like the frequency world data Minitab is approach as are presented used with the well as throughout course then Bayesian methodology. the text. A no Bayesian inference is final chapter programming developed as introduces a is required a logical number of the by the extension of most important students. likelihood stochastic process **Remembering** methods. A models using **Ghosts on the Margins of History**

American
Mathematical
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This book
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thorough
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of the therm
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aqueous
solutions
and presents
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analyzing
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scientific
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problems
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It also
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Amyloid,
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Cambridge
Handbooks in

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modern theory
of symmetriza
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including
applications
to geometry,
PDEs, and
real and
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**A First
Course in
Sobolev
Spaces:
Second
Edition**

Elsevier
Learn how to
use R to turn
raw data into
insight,
knowledge,
and understand
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book
introduces
you to R,
RStudio, and

the tidyverse, wrangling,
a collection of R packages
designed to work together
to make data science fast,
fluent, and fun. Suitable
for readers with no
previous programming
experience, R for Data
Science is designed to
get you doing data science
as quickly as possible.
Authors Hadley Wickham and
Garrett Golemund
guide you through the
steps of importing,

exploring, and modeling
your data and communicating
the results. You'll get a
complete, big-picture
understanding of the data
science cycle, along
with basic tools you
need to manage the
details. Each section of
the book is paired with
exercises to help you
practice what you've
learned along the way.
You'll learn how to: Wrangle
data, transform

your datasets into a form convenient for analysis Program—learn powerful R tools for solving data problems with greater clarity and ease Explore—examine your data, generate hypotheses, and quickly test them Model—provide a low-dimensional summary that captures true "signals" in your dataset Communicate—learn R Markdown for integrating prose, code,

and results *From Modelling to Theory* American Mathematical Soc. For undergraduate and graduate level courses that combines introductory statistics with data analysis or decision modeling. A pragmatic approach to statistics, data analysis and decision modeling. *Statistics, Data*

Analysis & Decision Modeling focuses on the practical understanding of its topics, allowing readers to develop conceptual insight on fundamental techniques and theories. Evans' dedication to present material in a simple and straightforward fashion is ideal for student comprehension.

An Introduction to Stochastic Differential Equations Taylor & Francis
This text presents two methods of calculating the electromagnetic fields due to radiation scattering by a single scatterer. Both methods yield valid results for all wavelengths of the incident radiation as well as a

wide variety of scatterer configurations. **Sobolev and Viscosity Solutions for Fully Nonlinear Elliptic and Parabolic Equations** SUNY Press
Partial Differential Equations American Mathematical Soc.
Partial Differential Equations CRC Press
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 potential 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

distribution effects on corrosion. The Cambridge Handbook of Expertise and Expert Performance Springer Science & Business Media 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 fun to teach their
 expanded from Evans' dissertation.
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