

Game Theory in Action

An Introduction to Classical and Evolutionary Models

STEPHEN SCHECTER & HERBERT GINTIS

The essential textbook for learning game theory strategies

"I like this introductory game theory book. Its clear and challenging material is presented in a manner accessible to a broad spectrum of students. The book's intuitive explanations draw students into understanding the idea of game theory before introducing technical aspects and the problem sets help to develop the confidence and ability necessary to master game theory tools."

—Katri K. Sieberg, University of Tampere, Finland

Game Theory in Action is an undergraduate textbook about using game theory across a range of real-life scenarios. From traffic accidents to the sex lives of lizards, Stephen Schecter and Herbert Gintis show students how game theory can be applied in diverse areas including animal behavior, political science, and economics.

The book's examples and problems look at such fascinating topics as crime-control strategies, climate-change negotiations, and the power of the Oracle at Delphi. The text includes a substantial treatment of evolutionary game theory, where strategies are not chosen through rational analysis, but emerge by virtue of being successful. This is the side of game theory that is most relevant to biology; it also helps to explain how human societies evolve.

Aimed at students who have studied basic calculus and some differential equations, *Game Theory in Action* is the perfect way to learn the concepts and practical tools of game theory.

- ◆ Undergraduate textbook aimed at students who have studied calculus and some differential equations
- ◆ Examples are drawn from diverse scenarios, ranging from traffic accidents to the sex lives of lizards
- ◆ A substantial treatment of evolutionary game theory
- ◆ Useful problem sets at the end of each chapter

Stephen Schecter is professor of mathematics at North Carolina State University. **Herbert Gintis** is external professor at the Santa Fe Institute. He is the author of *Game Theory Evolving* and *The Bounds of Reason*, and the coauthor (with Samuel Bowles) of *A Cooperative Species* (all Princeton).

APRIL

978-0-691-16765-7 **Paper \$39.95X**

978-0-691-16764-0 **Cloth \$80.00X**

320 pages. 60 line illus. 102 tables. 7 x 10.

ECONOMICS | MATHEMATICS

Economic Forecasting

GRAHAM ELLIOTT & ALLAN TIMMERMANN

Economic forecasting involves choosing simple yet robust models to best approximate highly complex and evolving data-generating processes. This poses unique challenges for researchers in a host of practical forecasting situations, from forecasting budget deficits and assessing financial risk to predicting inflation and stock market returns. *Economic Forecasting* presents a comprehensive, unified approach to assessing the costs and benefits of different methods currently available to forecasters.

This graduate textbook approaches forecasting problems from the perspective of decision theory and estimation, and demonstrates the profound implications of this approach for how we understand variable selection, estimation, and combination methods for forecasting models, and how we evaluate the resulting forecasts. Both Bayesian and non-Bayesian methods are covered in depth, as are a range of cutting-edge techniques for producing point, interval, and density forecasts. The book features detailed presentations and empirical examples of a range of forecasting methods and shows how to generate forecasts in the presence of large-dimensional sets of predictor variables. The book pays special attention to how estimation error, model uncertainty, and model instability affect forecasting performance.

- ◆ Presents a comprehensive and integrated approach to assessing the strengths and weaknesses of different forecasting methods
- ◆ Discusses model selection methods as well as forecast combinations
- ◆ Covers a large range of nonlinear prediction models
- ◆ Features numerous empirical examples
- ◆ Examines the latest advances in forecast evaluation

Graham Elliott is professor of economics at the University of California, San Diego. **Allan Timmermann** holds the Atkinson/Epstein Chair at the Rady School of Management at the University of California, San Diego, where he is also professor of finance and economics.

MAY

978-0-691-14013-1 **Cloth \$75.00X**

544 pages. 80 line illus. 25 tables. 7 x 10.

ECONOMICS

A comprehensive and integrated approach to forecasting problems

"This fine book is timely and unique.

The early and continuous emphasis on the loss function is wonderful, as is the insightful treatment of forecast combination. *Economic Forecasting* is a book that needed to be written."

—Francis X. Diebold, University of Pennsylvania

"This book provides an up-to-date guide to forecasting for applied researchers. Particular care is devoted to reviewing theoretical results and providing detailed theoretical and empirical examples. The book also includes guidance on which methods to choose."

—Barbara Rossi, ICREA-Pompeu Fabra University, Barcelona

"*Economic Forecasting* is a great book by two leaders in the field. Elliott and Timmermann present a complete and modern view of forecasting methods in economics, covering both traditional topics and the latest research in this area. It deserves a spot on every economist's bookshelf."

—Andrew J. Patton, Duke University

Competition and Stability in Banking

The Role of Regulation and Competition Policy

XAVIER VIVES

*A distinguished economist
examines competition,
regulation, and stability in
today's global banks*

"Now that the global financial crisis has subsided, governments and regulators must deal with the issue of what to do about banking competition in the long term. Xavier Vives is one of the most distinguished and knowledgeable economists in the world, and his excellent and timely book analyzes the interactions between banking regulation and competition policy. It will be useful to experts in the field and of interest to general readers."

—Franklin Allen, Imperial College London and University of Pennsylvania

"Bringing together material in an easily understood framework, this lucid and well-written book looks at competition and competition policy in banking. It serves as a good reference for academics and it will help policymakers understand better trade-offs and policy choices. A major accomplishment."

—Stijn Claessens, senior advisor,
Board of Governors of the Federal
Reserve System

Does too much competition in banking hurt society? What policies can best protect and stabilize banking without stifling it? Institutional responses to such questions have evolved over time, from interventionist regulatory control after the Great Depression to the liberalization policies that started in the United States in the 1970s. The global financial crisis of 2007–09, which originated from an oversupply of credit, once again raised questions about excessive banking competition and what should be done about it. *Competition and Stability in Banking* addresses the critical relationships between competition, regulation, and stability, and the implications of coordinating banking regulations with competition policies.

Xavier Vives argues that while competition is not responsible for fragility in banking, there are trade-offs between competition and stability. Well-designed regulations would alleviate these trade-offs but not eliminate them, and the specificity of competition in banking should be accounted for. Vives argues that regulation and competition policy should be coordinated, with tighter prudential requirements in more competitive situations, but he also shows that supervisory and competition authorities should stand separate from each other, each pursuing its own objective. Vives reviews the theory and empirics of banking competition, drawing on up-to-date analysis that incorporates the characteristics of modern market-based banking, and he looks at regulation, competition policies, and crisis interventions in Europe, the United States, as well as emerging economies.

Focusing on why banking competition policies are necessary, *Competition and Stability in Banking* examines regulation's effect on the industry's efficiency and effectiveness.

Xavier Vives is professor of economics and finance at the IESE Business School in Barcelona, where he is also academic director of the Public-Private Research Center. His books include *Information and Learning in Markets* (Princeton) and *Oligopoly Pricing*.

JULY

978-0-691-17179-1 **Cloth \$35.00S**

168 pages. 20 line illus. 5 1/2 x 8 1/2.

ECONOMICS | FINANCE

Understanding Institutions

The Science and Philosophy of Living Together

FRANCESCO GUALA

Understanding Institutions proposes a new unified theory of social institutions that combines the best insights of philosophers and social scientists who have written on this topic. Francesco Guala presents a theory that combines the features of three influential views of institutions: as equilibria of strategic games, as regulative rules, and as constitutive rules.

Guala explains key institutions like money, private property, and marriage, and develops a much-needed unification of equilibrium- and rules-based approaches. Although he uses game theory concepts, the theory is presented in a simple, clear style that is accessible to a wide audience of scholars working in different fields. Outlining and discussing various implications of the unified theory, Guala addresses venerable issues such as reflexivity, realism, *Verstehen*, and fallibilism in the social sciences. He also critically analyses the theory of “looping effects” and “interactive kinds” defended by Ian Hacking, and asks whether it is possible to draw a demarcation between social and natural science using the criteria of causal and ontological dependence. Focusing on current debates about the definition of marriage, Guala shows how these abstract philosophical issues have important practical and political consequences.

Moving beyond specific cases to general models and principles, *Understanding Institutions* offers new perspectives on what institutions are, how they work, and what they can do for us.

Francesco Guala is professor in the Department of Economics, Management, and Quantitative Methods at the University of Milan. He is the author of *The Methodology of Experimental Economics* and the coeditor, with Daniel Steel, of *The Philosophy of Social Science Reader*.

JULY

978-0-691-17178-4 **Cloth \$35.00S**

192 pages. 15 line illus. 6 x 9.

ECONOMICS | PHILOSOPHY

*A groundbreaking new synthesis
and theory of social institutions*

“This valuable and beautifully structured book reviews and explains the key idea of correlated equilibria and also offers a novel theoretical synthesis. Clearly written, but even better, clearly conceived, this book is a winner on many levels.”

—Stephen Turner, University of South Florida

“In this complex and sophisticated book, the unified view of institutions is original because it bridges two views that have been considered to be incompatible. Moreover, the unified view is linked with other key issues in the philosophy of social sciences. With its enormous scope, it will appeal to specialists in the philosophy of social sciences, as well as such social science practitioners as economists and theoretical sociologists.”

—Jack Vromen, Erasmus University Rotterdam

Quantal Response Equilibrium

A Statistical Theory of Games

JACOB K. GOEREE, CHARLES A. HOLT & THOMAS R. PALFREY

Quantal Response Equilibrium presents a stochastic theory of games that unites probabilistic choice models developed in psychology and statistics with the Nash equilibrium approach of classical game theory. Nash equilibrium assumes precise and perfect decision making in games, but human behavior is inherently stochastic and people realize that the behavior of others is not perfectly predictable. In contrast, QRE models choice behavior as probabilistic and extends classical game theory into a more realistic and useful framework, with broad applications for economics, political science, management, and other social sciences.

This book spans the range from basic theoretical foundations to examples of how the principles yield useful predictions and insights in strategic settings, including voting, bargaining, auctions, public goods provision, and more. The approach provides a natural framework for estimating the effects of behavioral factors like altruism, reciprocity, risk aversion, judgment fallacies, and impatience. New theoretical results push the frontiers of models that include heterogeneity, learning, and well-specified behavioral modifications of rational choice and rational expectations. The empirical relevance of the theory is enhanced by discussion of data from controlled laboratory experiments.

Jacob K. Goeree is a Distinguished Research Professor at the University of Technology Sydney.

Charles A. Holt is the A. Willis Robertson Professor of Political Economy at the University of Virginia.

Thomas R. Palfrey is the Flintridge Foundation Professor of Economics and Political Science at the California Institute of Technology.

AUGUST

978-0-691-12423-0 **Cloth \$60.00S**

288 pages. 45 line illus. 45 tables. 6 x 9.

ECONOMICS | POLITICAL SCIENCE

94 Economics

The Econometric Analysis of Recurrent Events in Macroeconomics and Finance

DON HARDING & ADRIAN PAGAN

The global financial crisis highlighted the impact on macroeconomic outcomes of recurrent events like business and financial cycles, highs and lows in volatility, and crashes and recessions. At the most basic level, such recurrent events can be summarized using binary indicators showing if the event occurs or not. These indicators are constructed either directly from data or indirectly through models. Because they are constructed, they have different properties than those arising in microeconometrics, and how one is to use them depends a lot on the method of construction.

This book presents the econometric methods necessary for the successful modeling of recurrent events, providing valuable insights for policymakers, empirical researchers, and theorists. It explains why it is inherently difficult to forecast the onset of a recession in a way that provides useful guidance for active stabilization policy, with the consequence that policymakers should place more emphasis on making the economy robust to recessions. The book offers a range of econometric tools and techniques that researchers can use to measure recurrent events, summarize their properties, and evaluate how effectively economic and statistical models capture them.

Don Harding is professorial research fellow at the Centre of Policy Studies (CoPS) at Victoria University and honorary professor of economics at La Trobe University. **Adrian Pagan** is professor emeritus of economics at the University of Sydney and professorial fellow at the University of Melbourne.

AUGUST

978-0-691-16708-4 **Cloth \$49.50S**

232 pages. 20 line illus. 18 tables. 5 1/2 x 8 1/2.

The Econometric and Tinbergen Institutes Lectures
Herman K. van Dijk, Philip Hans Franses & Dennis Fok,
Series Editors

ECONOMICS | FINANCE

Brazil in Transition

Beliefs, Leadership, and Institutional Change

LEE J. ALSTON, MARCUS ANDRÉ MELO,
BERNARDO MUELLER & CARLOS PEREIRA

Brazil is the world's sixth-largest economy, and for the first three-quarters of the twentieth century was one of the fastest-growing countries in the world. While the country underwent two decades of unrelenting decline from 1975 to 1994, the economy has rebounded dramatically. How did this nation become an emerging power? *Brazil in Transition* looks at the factors behind why this particular country has successfully progressed up the economic development ladder. The authors examine the roles of beliefs, leadership, and institutions in the elusive, critical transition to sustainable development.

Analyzing the last fifty years of Brazil's history, the authors explain how the nation's beliefs, centered on social inclusion yet bound by orthodox economic policies, led to institutions that altered economic, political, and social outcomes. Brazil's growth and inflation became less variable, the rule of law strengthened, politics became more open and competitive, and poverty and inequality declined. While these changes have led to a remarkable economic transformation, there have also been economic distortions and inefficiencies that the authors argue are part of the development process.

Lee J. Alston is the Ostrom Chair and professor of economics and law at Indiana University.

Marcus André Melo is professor of political science at the Federal University of Pernambuco, Brazil.

Bernardo Mueller is professor of economics at the University of Brasília. **Carlos Pereira** is professor of political science at the Brazilian School of Administration at the Getúlio Vargas Foundation, Rio de Janeiro.

JUNE

978-0-691-16291-1 **Cloth \$39.50S**

240 pages. 21 line illus. 3 tables. 6 x 9.

The Princeton Economic History of the Western World
Joel Mokyr, Series Editor

ECONOMICS | HISTORY

The Papers of Thomas Jefferson

Volume 42: 16 November 1803 to 10 March 1804

THOMAS JEFFERSON
Edited by James P. McClure

Confessing that he may be acting "with more boldness than wisdom," Jefferson in November 1803 drafts a bill to create Orleans Territory. The administration sends stock certificates to France in payment for Louisiana. Relieved that affairs in the Mediterranean have improved with the evaporation of a threat of war with Morocco, the president does not know yet that Tripoli has captured the frigate *Philadelphia* with its officers and crew. He deals with never-ending issues of appointment to office and quarreling in his own party, while hearing that some Federalists are "as Bitter as wormwood." He shares seeds of the Venus flytrap with Elizabeth Leathes Merry, the British minister's wife. She and her husband, however, create a diplomatic storm over seating arrangements at dinner parties. Having reached St. Louis, Meriwether Lewis reports on the progress of the western expedition. Congress passes the Twelfth Amendment, which will provide for the separate election of president and vice president. In detailed notes made after Aaron Burr calls on him in January, Jefferson records his long-standing distrust of the New Yorker. Less than a month later, a congressional caucus nominates Jefferson for a second term, with George Clinton to replace Burr as vice president.

James P. McClure, senior research historian at Princeton University, is general editor of *The Papers of Thomas Jefferson*.

AUGUST

978-0-691-17046-6 **Cloth \$125.00J**

856 pages. 8 duotones. 3 line illus. 6 x 9.

The Papers of Thomas Jefferson
James P. McClure, General Editor

AMERICAN HISTORY

10% subscription discount available to libraries and individuals (United States and Canada only)

Economics | History 95

The New Worlds of Thomas Robert Malthus

Rereading the *Principle of Population*

ALISON BASHFORD & JOYCE E. CHAPLIN

An ambitious global history that fundamentally alters our understanding of Malthus

“With this ambitious book, Bashford and Chaplin have succeeded in placing Malthus in the context of global history. A significant and original addition to the scholarly literature.”

—Donald Winch, author of *Malthus: A Very Short Introduction*

“This is the most important new reading of the life and work of Malthus in a generation. The book is beautifully written and powerfully conceived, and the scholarship is impeccable. Bashford and Chaplin offer a paradigm-changing interpretation of Malthus.”

—Robert J. Mayhew, author of *Malthus: The Life and Legacies of an Untimely Prophet*

The New Worlds of Thomas Robert Malthus is a sweeping global and intellectual history that radically recasts our understanding of Malthus’s *Essay on the Principle of Population*, the most famous book on population ever written or ever likely to be. Malthus’s *Essay* is also persistently misunderstood. First published anonymously in 1798, the *Essay* systematically argues that population growth tends to outpace its means of subsistence unless kept in check by factors such as disease, famine, or war, or else by lowering the birth rate through such means as sexual abstinence.

Challenging the widely held notion that Malthus’s *Essay* was a product of the British and European context in which it was written, Alison Bashford and Joyce Chaplin demonstrate that it was the new world, as well as the old, that fundamentally shaped Malthus’s ideas. They explore what the Atlantic and Pacific new worlds—from the Americas and the Caribbean to New Zealand and Tahiti—meant to Malthus, and how he treated them in his *Essay*. Bashford and Chaplin reveal how Malthus, long vilified as the scourge of the English poor, drew from his principle of population to conclude that the extermination of native populations by European settlers was unjust.

Elegantly written and forcefully argued, *The New Worlds of Thomas Robert Malthus* relocates Malthus’s *Essay* from the British economic and social context that has dominated its reputation to the colonial and global history that inspired its genesis.

Alison Bashford is the Vere Harmsworth Professor of Imperial and Naval History at the University of Cambridge and a fellow of Jesus College. Her books include *Global Population: History, Geopolitics, and Life on Earth*. **Joyce E. Chaplin** is the James Duncan Phillips Professor of Early American History at Harvard University. Her books include *Round about the Earth: Circumnavigation from Magellan to Orbit*.

MAY

978-0-691-16419-9 **Cloth \$49.50S**
448 pages. 12 halftones. 2 tables. 6 x 9.

HISTORY | INTELLECTUAL HISTORY

What Is Global History?

SEBASTIAN CONRAD

Until very recently, historians have looked at the past with the tools of the nineteenth century. But globalization has fundamentally altered our ways of knowing, and it is no longer possible to study nations in isolation or to understand world history as emanating from the West. This book reveals why the discipline of global history has emerged as the most dynamic and innovative field in history—one that takes the connectedness of the world as its point of departure, and that poses a fundamental challenge to the premises and methods of history as we know it.

What Is Global History? provides a comprehensive overview of this exciting new approach to history. The book addresses some of the biggest questions the discipline will face in the twenty-first century: How does global history differ from other interpretations of world history? How do we write a global history that is not Eurocentric yet does not fall into the trap of creating new centrism? How can historians compare different societies and establish compatibility across space? What are the politics of global history? This in-depth and accessible book also explores the limits of the new paradigm and even its dangers, the question of whom global history should be written for, and much more.

Written by a leading expert in the field, *What Is Global History?* shows how, by understanding the world's past as an integrated whole, historians can remap the terrain of their discipline for our globalized present.

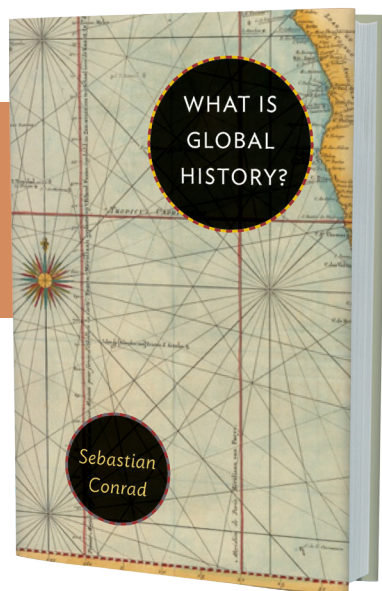
Sebastian Conrad is professor of history at the Free University of Berlin. He is the author of *German Colonialism: A Short History*, *Globalisation and the Nation in Imperial Germany*, and *The Quest for the Lost Nation: Writing History in Germany and Japan in the American Century*.

FEBRUARY

978-0-691-15525-8 **Cloth \$29.95S**

304 pages. 5 1/2 x 8 1/2.

HISTORY



The first comprehensive overview of the innovative new discipline of global history

"Thoughtful and impressive. This book is an important addition to one of history's most exciting new fields."
—Sven Beckert, author of *Empire of Cotton: A Global History*

The Power of Place

Rulers and Their Palaces, Landscapes, Cities, and Holy Places

DAVID ROLLASON

How rulers in ancient and medieval Europe expressed their power through cities, buildings, and sites

“A work of considerable learning and precise scholarship, *The Power of Place* demonstrates how rulers supported and extended power through the places from which they exercised it. I know of no other book that brings together this topic in such a comprehensive, systematic way. Focusing on Western Europe in the Middle Ages, the book’s breadth, accessibility, and illustrations make it attractive to a wide audience.”

—R. I. Moore, professor emeritus of history, Newcastle University

“This extremely ambitious and appealing book discusses an array of structures and building sites over time, from Roman antiquity to the end of the Middle Ages, and across the face of Western Europe. Richly illustrated, it impressively compiles a wide range of material from a variety of sources and succeeds in examining the nature of power through buildings. No other work on this subject covers this much information.”

—Charles B. McClendon,
Brandeis University

The Power of Place explores the nature of power—the power of kings, emperors, and popes—through the places that these rulers created or developed, including palaces, cities, landscapes, holy places, inauguration sites, and burial places. Ranging across all of Europe from the first to the sixteenth centuries—from Prague and Seville to Palermo and the Oslo Fjord—David Rollason examines how these places conveyed messages of power and what those messages were.

Rollason draws on the latest research in a range of disciplines—principally archaeology and the histories of art, architecture, and landscape, as well as historical and literary studies—to investigate what the power of rulers consisted of. Was their power based on impersonal bureaucratic mechanisms, on personal relationships between rulers and subjects, or on strong beliefs in the quasi-divine status of rulers? How did impressive edifices support and emphasize these practices of power? Rollason takes readers to spectacular sites, including the remarkable remains of the tenth-century city of Madinat al-Zahra near Cordoba, the remarkably preserved palace-church of the emperor Charlemagne in Aachen, and the soaring shrine-church of the Saint-Chapelle of King Louis IX.

Giving readers the tools to analyze rulers’ palaces, landscapes, cities, and holy places, *The Power of Place* offers a fascinating perspective on the development of power throughout history.

David Rollason is professor emeritus of history at the University of Durham. His books include *Early Medieval Europe 300–1050: The Birth of Western Society* and *Northumbria 500–1100: Creation and Destruction of a Kingdom*.

AUGUST

978-0-691-16762-6 **Cloth \$49.95S**

488 pages. 37 color illus. 151 halftones. 33 line illus. 3 maps. 8 1/2 x 11.

EUROPEAN HISTORY | ARCHITECTURE | ANCIENT HISTORY

Racial Realignment

The Transformation of American Liberalism,
1932–1965

ERIC SCHICKLER

Few transformations in American politics have been as important as the integration of African Americans into the Democratic Party and the Republican embrace of racial policy conservatism. The story of this partisan realignment on race is often told as one in which political elites set in motion a dramatic and sudden reshuffling of party positioning on racial issues during the 1960s. *Racial Realignment* instead argues that top party leaders were actually among the last to move, that their choices were dictated by changes that had already occurred beneath them, and that the two parties' transformation on civil rights took place gradually over decades.

Eric Schickler reveals that Democratic partisanship, economic liberalism, and support for civil rights had crystallized in public opinion, state parties, and Congress by the mid-1940s. This trend was propelled forward by the incorporation of African Americans and the pro-civil-rights Congress of Industrial Organizations into the Democratic coalition. Meanwhile, Republican partisanship became aligned with economic and racial conservatism. Scrambling to maintain existing power bases, national party elites refused to acknowledge these changes for as long as they could, but the civil rights movement finally forced them to choose where their respective parties would stand.

Eric Schickler is the Jeffrey and Ashley McDermott Professor of Political Science at the University of California, Berkeley.

MAY

978-0-691-15388-9 **Paper \$35.00S**

978-0-691-15387-2 **Cloth \$85.00S**

360 pages. 34 line illus. 1 table. 6 x 9.

Princeton Studies in American Politics:
Historical, International, and Comparative Perspectives
Ira Katznelson, Eric Schickler, Martin Shefter &
Theda Skocpol, Series Editors

POLITICAL SCIENCE | AMERICAN HISTORY

Predicting the Presidency

The Potential of Persuasive Leadership

GEORGE C. EDWARDS III

Millions of Americans—including many experienced politicians—viewed Barack Obama through a prism of high expectations, based on a belief in the power of presidential persuasion. Yet many who were inspired by candidate Obama were disappointed in what he was able to accomplish once in the White House. They could not understand why he often was unable to leverage his position and political skills to move the public and Congress to support his initiatives. *Predicting the Presidency* explains why Obama had such difficulty bringing about the change he promised, and challenges the conventional wisdom about presidential leadership.

In this incisive book, George Edwards shows how we can ask a few fundamental questions about the context of a presidency—the president's strategic position or opportunity structure—and use the answers to predict a president's success in winning support for his initiatives. If presidential success is largely determined by a president's strategic position, what role does persuasion play? Almost every president finds that a significant segment of the public and his fellow partisans in Congress are predisposed to follow his lead. Others may support the White House out of self-interest. Edwards explores the possibilities of the president exploiting such support, providing a more realistic view of the potential of presidential persuasion.

Predicting the Presidency sheds new light on the limitations and opportunities of presidential leadership.

George C. Edwards III is University Distinguished Professor of Political Science and the Jordan Chair in Presidential Studies at Texas A&M University.

APRIL

978-0-691-17201-9 **Paper \$29.95S**

978-0-691-17037-4 **Cloth \$95.00S**

264 pages. 7 line illus. 55 tables. 6 x 9.

POLITICAL SCIENCE | AMERICAN POLITICS

Political Science 99

How Armies Respond to Revolutions and Why

ZOLTAN BARANY

An exploration of military responses to uprisings and how to predict such reactions in the future

"How Armies Respond to Revolutions and Why shows great attention to detail, advances its arguments effectively, and presents a clear, conceptual framework. Enlivened by cases and interviews, this book addresses a topic that is timely and clearly pertinent to policy. It will find a solid readership in war colleges, intelligence and policy analysis circles, and courses in intelligence analysis."

—David J. Betz, King's College London

"Extremely accessible and impressive in its sweep, this book offers a practical and insightful framework for analyzing military actions during revolutions. Barany has a tremendous grasp of civil-military relations and knows his subject matter well. His work will interest policymakers and analysts as well as scholars studying military politics and military responses to mass uprisings."

—Risa Brooks, Marquette University

We know that a revolution's success largely depends on the army's response to it. But can we predict the military's reaction to an uprising? *How Armies Respond to Revolutions and Why* argues that it is possible to make a highly educated guess—and in some cases even a confident prediction—about the generals' response to a domestic revolt if we know enough about the army, the state it is supposed to serve, the society in which it exists, and the external environment that affects its actions. Through concise case studies of modern uprisings in Iran, China, Eastern Europe, Burma, and the Arab world, Zoltan Barany looks at the reasons for and the logic behind the variety of choices soldiers ultimately make.

Barany offers tools—in the form of questions to be asked and answered—that enable analysts to provide the most informed assessment possible regarding an army's likely response to a revolution and, ultimately, the probable fate of the revolution itself. He examines such factors as the military's internal cohesion, the regime's treatment of its armed forces, and the size, composition, and nature of the demonstrations.

How Armies Respond to Revolutions and Why explains how generals decide to support or suppress domestic uprisings.

Zoltan Barany is the Frank C. Erwin, Jr. Centennial Professor of Government at the University of Texas. His books include *The Soldier and the Changing State: Building Democratic Armies in Africa, Asia, Europe and the Americas* and *Democratic Breakdown and the Decline of the Russian Military* (both Princeton).

MARCH

978-0-691-15736-8 **Cloth \$35.00S**

240 pages. 6 tables. 6 x 9.

POLITICAL SCIENCE | INTERNATIONAL RELATIONS

Power and International Relations

A Conceptual Approach

DAVID A. BALDWIN

Contrary to conventional wisdom, the concept of power has not always been central to international relations theory. During the 1920s and 30s, power was often ignored or vilified by international relations scholars—especially in America. *Power and International Relations* explores how this changed in later decades by tracing how power emerged as an important social science concept in American scholarship after World War I. Combining intellectual history and conceptual analysis, David Baldwin examines power's increased presence in the study of international relations and looks at how the three dominant approaches of realism, neoliberalism, and constructivism treat power.

The clarity and precision of thinking about power increased greatly during the last half of the twentieth century, due to efforts by political scientists, psychologists, sociologists, economists, philosophers, mathematicians, and geographers who contributed to “social power literature.” Baldwin brings the insights of this literature to bear on the three principal theoretical traditions in international relations theory. He discusses controversial issues in power analysis, and shows the relevance of older works frequently underappreciated today.

Focusing on the social power perspective in international relations, this book sheds light on how power has been considered during the last half century and how it should be approached in future research.

David A. Baldwin is senior political scientist in the Woodrow Wilson School of Public and International Affairs at Princeton University and the Wallach Professor of Political Science Emeritus at Columbia University.

APRIL

978-0-691-17200-2 **Paper \$29.95S**

978-0-691-17038-1 **Cloth \$95.00S**

216 pages. 5 1/2 x 8 1/2.

POLITICAL SCIENCE | INTERNATIONAL RELATIONS

State and Commonwealth

The Theory of the State in Early Modern England, 1549–1640

NOAH DAUBER

In the history of political thought, the emergence of the modern state in early modern England has usually been treated as the development of an increasingly centralizing and expansive national sovereignty. Recent work in political and social history, however, has shown that the state—at court, in the provinces, and in the parishes—depended on the authority of local magnates and the participation of what has been referred to as “the middling sort.” This poses challenges to scholars seeking to describe how the state was understood by contemporaries of the period in light of the great classical and religious textual traditions of political thought.

State and Commonwealth presents a new theory of state and society by expanding on the usual treatment of “commonwealth” in pre-Civil War English history. Drawing on works of theology, moral philosophy, and political theory—including Martin Bucer's *De Regno Christi*, Thomas Smith's *De Republica Anglorum*, John Case's *Sphaera Civitatis*, Francis Bacon's essays, and Thomas Hobbes's early works—Noah Dauber argues that the commonwealth ideal was less traditional than often thought. He shows how it incorporated new ideas about self-interest and new models of social order and stratification, and how the associated ideal of distributive justice pertained as much to the honors and offices of the state as to material wealth.

Broad-ranging in scope, *State and Commonwealth* provides a more complete picture of the relationship between political and social theory in early modern England.

Noah Dauber is assistant professor of political science at Colgate University.

AUGUST

978-0-691-17030-5 **Cloth \$45.00S**

280 pages. 6 x 9.

POLITICAL THEORY | INTELLECTUAL HISTORY

Political Science | Political Theory 101

Remaking the World

Essays on Liberalism and Empire

DUNCAN BELL

A leading scholar of British political thought explores the relationship between liberalism and empire

“This is a fine collection of essays that gives a compelling overview of a large number of issues, problems, and themes resulting from the juxtaposition of liberalism to empire.”

—Gregory Claeys, author of *Mill and Paternalism*

“*Remaking the World* is a collection of unusually thoughtful, incisive, and cogent essays that will interest a variety of scholars, from intellectual historians and scholars in British studies to historians of empire and political theorists. This book will be widely read and widely taught.”

—Andrew Sartori, author of *Liberalism in Empire: An Alternative History*

Remaking the World is a penetrating account of the complexity and contradictions found in liberal visions of empire. Focusing mainly on nineteenth-century Britain—at the time the largest empire in history and a key incubator of liberal political thought—Duncan Bell sheds new light on some of the most important themes in modern imperial ideology.

The book ranges widely across Victorian intellectual life and beyond. The opening essays explore the nature of liberalism, varieties of imperial ideology, the uses and abuses of ancient history, the imaginative functions of the monarchy, and fantasies of Anglo-Saxon global domination. They are followed by illuminating studies of prominent thinkers, including J. A. Hobson, L. T. Hobhouse, John Stuart Mill, Henry Sidgwick, Herbert Spencer, and J. R. Seeley. While insisting that liberal attitudes to empire were multiple and varied, Bell emphasizes the liberal fascination with settler colonialism. It was in the settler empire that many liberal imperialists found the place of their political dreams.

Remaking the World is a significant contribution to the history of modern political thought and political theory.

Duncan Bell is Reader in Political Thought and International Relations at the University of Cambridge and a Fellow of Christ's College. His books include *The Idea of Greater Britain: Empire and the Future of World Order, 1860–1900* (Princeton).

JULY

978-0-691-13878-7 **Cloth \$39.50S**

416 pages. 6 x 9.

POLITICAL THEORY | INTELLECTUAL HISTORY

Nietzsche's Great Politics

HUGO DROCHON

Nietzsche's impact on the world of culture, philosophy, and the arts is uncontested, but his political thought remains mired in controversy. By placing Nietzsche back in his late-nineteenth-century German context, *Nietzsche's Great Politics* moves away from the disputes surrounding Nietzsche's appropriation by the Nazis and challenges the use of the philosopher in postmodern democratic thought. Rather than starting with contemporary democratic theory or continental philosophy, Hugo Drochon argues that Nietzsche's political ideas must first be understood in light of Bismarck's policies, in particular his "Great Politics," which transformed the international politics of its day.

Nietzsche's Great Politics shows how Nietzsche made Bismarck's notion his own and how it enabled him to offer a vision of a unified European political order that was to serve as a counterbalance to both Britain and Russia. It was to be led by a "good European" cultural elite whose goal would be to encourage the rebirth of Greek high culture. In relocating Nietzsche's politics to their own time, the book offers not only a novel reading of the philosopher but also a more accurate picture of why his political thought remains so relevant today.

Hugo Drochon is a historian of nineteenth- and twentieth-century political thought and a postdoctoral research fellow at CRASSH, the Centre for Research in the Arts, Social Sciences, and Humanities, at the University of Cambridge.

JULY

978-0-691-16634-6 **Cloth \$39.50S**

192 pages. 6 x 9.

POLITICAL THEORY | PHILOSOPHY

The Tyranny of the Ideal

Justice in a Diverse Society

GERALD GAUS

In his provocative new book, *The Tyranny of the Ideal*, Gerald Gaus lays out a vision for how we should theorize about justice in a diverse society. Gaus shows how free and equal people, faced with intractable struggles and irreconcilable conflicts, might share a common moral life shaped by a just framework. He argues that if we are to take diversity seriously and if moral inquiry is sincere about shaping the world, then the pursuit of idealized and perfect theories of justice—essentially, the entire production of theories of justice that has dominated political philosophy for the past forty years—needs to change.

Drawing on recent work in social science and philosophy, Gaus points to an important paradox: only those in a heterogeneous society—with its various religious, moral, and political perspectives—have a reasonable hope of understanding what an ideally just society would be like. However, due to its very nature, this world could never be collectively devoted to any single ideal. Gaus defends the moral constitution of this pluralistic, open society, where the very clash and disagreement of ideals spurs all to better understand what their personal ideals of justice happen to be.

Presenting an original framework for how we should think about morality, *The Tyranny of the Ideal* rigorously analyzes a theory of ideal justice more suitable for contemporary times.

Gerald Gaus is the James E. Rogers Professor of Philosophy at the University of Arizona. His books include *The Order of Public Reason* and *Justificatory Liberalism*.

JUNE

978-0-691-15880-8 **Cloth \$35.00S**

328 pages. 11 line illus. 11 tables. 6 x 9.

PHILOSOPHY | POLITICAL THEORY

Creativity Class

Art School and Culture Work in
Post-Socialist China

LILY CHUMLEY

The last three decades have seen a massive expansion of China's visual culture industries, from architecture and graphic design to fine art and fashion. New ideologies of creativity and creative practices have reshaped the training of a new generation of art school graduates. *Creativity Class* is the first book to explore how Chinese art students develop, embody, and promote their own personalities and styles as they move from art school entrance-test preparation, to art school, to work in the country's burgeoning culture industries. Lily Chumley shows the connections between this creative explosion and the Chinese government's explicit goal of cultivating creative human capital in a new "market socialist" economy where value is produced through innovation.

Drawing on years of fieldwork in China's leading art academies and art-test-prep schools, Chumley combines ethnography and oral history with analyses of contemporary avant-garde and official art, popular media, and propaganda. Examining the rise of a Chinese artistic vanguard and creative knowledge-based economy, *Creativity Class* sheds light on an important facet of today's China.

Lily Chumley is an assistant professor in the Department of Media, Culture, and Communication at New York University.

MAY

978-0-691-16497-7 **Cloth \$35.00S**
248 pages. 25 halftones. 6 x 9.

ANTHROPOLOGY | ASIAN STUDIES

On British Islam

Religion, Law, and Everyday Practice
in Shari'a Councils

JOHN R. BOWEN

On British Islam examines the history and everyday workings of Islamic institutions in Britain, with a focus on shari'a councils. These councils concern themselves with religious matters, especially divorce. They have a higher profile in Britain than in other Western nations. Why? Taking a historical and ethnographic look at British Islam, John Bowen examines how Muslims have created distinctive religious institutions in Britain and how shari'a councils interpret and apply Islamic law in a secular British context.

Bowen focuses on three specific shari'a councils: the oldest and most developed, in London; a Midlands community led by a Sufi saint and bar-rister; and a Birmingham-based council in which women play a leading role. Bowen shows that each of these councils represents a prolonged, unique experiment in meeting Muslims' needs in a Western country. He also discusses how the councils have become a flash point in British public debates even as they adapt to the English legal environment.

On British Islam highlights British Muslims' efforts to create institutions that make sense in both Islamic and British terms. This balancing act is rarely acknowledged in Britain—or elsewhere—but it is urgent that we understand it if we are to build new ways of living together.

John R. Bowen is the Dunbar-Van Cleve Professor in Arts & Sciences at Washington University in St. Louis. His books include *A New Anthropology of Islam* and *Blaming Islam*.

APRIL

978-0-691-15854-9 **Cloth \$35.00S**
288 pages. 4 halftones. 1 table. 6 x 9.

Princeton Studies in Muslim Politics
Dale F. Eickelman & Augustus Richard Norton, Series Editors

ANTHROPOLOGY | MIDDLE EAST STUDIES | RELIGION

Making a Good Life

An Ethnography of Nature, Ethics,
and Reproduction

KATHARINE DOW

Making a Good Life takes a timely look at the ideas and values that inform how people think about reproduction and assisted reproductive technologies. In an era of heightened scrutiny about parenting and reproduction, fears about environmental degradation, and the rise of the biotechnology industry, Katharine Dow delves into the reproductive ethics of those who do not have a personal stake in assisted reproductive technologies, but who are building lives inspired and influenced by environmentalism and concerns about the natural world's future.

Moving away from experiences of infertility treatments tied to the clinic and laboratory, Dow instead explores reproduction and assisted reproductive technologies as topics of public concern and debate, and she examines how people living in a coastal village in rural Scotland make ethical decisions and judgments about these matters. In particular, Dow engages with people's ideas about nature and naturalness, and how these relate to views about parenting and building stable environments for future generations. Taking into account the ways daily responsibilities and commitments are balanced with moral values, Dow suggests there is still much to uncover about reproductive ethics.

Analyzing how ideas about reproduction intersect with wider ethical struggles, *Making a Good Life* offers a new approach to researching, thinking, and writing about nature, ethics, and reproduction.

Katharine Dow is a research associate in the Reproductive Sociology Research Group at the University of Cambridge.

JULY

978-0-691-17175-3 **Paper \$27.95S**

978-0-691-16748-0 **Cloth \$70.00S**

256 pages. 3 halftones. 1 map. 5 1/2 x 8 1/2.

ANTHROPOLOGY | SOCIOLOGY

Becoming Black Political Subjects

Movements and Ethno-Racial Rights in
Colombia and Brazil

TIANNA S. PASCHEL

After decades of denying racism and underplaying cultural diversity, Latin American states began adopting transformative ethno-racial legislation in the late 1980s. In addition to symbolic recognition of indigenous peoples and black populations, governments in the region created a more pluralistic model of citizenship and made significant reforms in the areas of land, health, education, and development policy. *Becoming Black Political Subjects* explores this shift from color blindness to ethno-racial legislation in two of the most important cases in the region: Colombia and Brazil.

Drawing on archival and ethnographic research, Tianna Paschel shows how, over a short period, black movements and their claims went from being marginalized to become institutionalized into the law, state bureaucracies, and mainstream politics. The strategic actions of a small group of black activists—working in the context of domestic unrest and the international community's growing interest in ethno-racial issues—successfully brought about change. Paschel also examines the consequences of these reforms, including the institutionalization of certain ideas of blackness, the reconfiguration of black movement organizations, and the unmaking of black rights in the face of reactionary movements.

Becoming Black Political Subjects offers important insights into the changing landscape of race and Latin American politics.

Tianna S. Paschel is assistant professor of African American Studies at the University of California, Berkeley.

JULY

978-0-691-16938-5 **Cloth \$39.95S**

280 pages. 6 x 9.

SOCIOLOGY | LATIN AMERICAN STUDIES

Learning Zulu

A Secret History of Language in South Africa

MARK SANDERS

"Why are you learning Zulu?" When Mark Sanders began studying the language, he was often asked this question. In *Learning Zulu*, Sanders places his own endeavors within a wider context to uncover how, in the past 150 years of South African history, Zulu became a battleground for issues of property, possession, and deprivation. Sanders combines elements of analysis and memoir to explore a complex cultural history.

Perceiving that colonial learners of Zulu saw themselves as repairing harm done to Africans by Europeans, Sanders reveals deeper motives at work in the development of Zulu-language learning—from the emergence of the pidgin Fanagalo among missionaries and traders in the nineteenth century to widespread efforts, in the twentieth and twenty-first centuries, to teach a correct form of Zulu. Sanders looks at the white appropriation of Zulu language, music, and dance in South African culture, and at the association of Zulu with a martial masculinity. In exploring how Zulu has come to represent what is most properly and powerfully African, Sanders examines differences in English- and Zulu-language press coverage of an important trial, as well as the role of linguistic purism in xenophobic violence in South Africa.

Mark Sanders is professor of comparative literature at New York University.

APRIL

978-0-691-16756-5 **Cloth \$39.95S**

216 pages. 6 x 9.

Translation/Transnation
Emily Apter, Series Editor

LITERATURE | COMPARATIVE LITERATURE

In the Shadow of World Literature

Sites of Reading in Colonial Egypt

MICHAEL ALLAN

We have grown accustomed to understanding world literature as a collection of national or linguistic traditions bound together in the universality of storytelling. Michael Allan challenges this way of thinking and argues instead that the disciplinary framework of world literature, far from serving as the neutral meeting ground of national literary traditions, levels differences between scripture, poetry, and prose, and fashions textual forms into a particular pedagogical, aesthetic, and ethical practice.

In the Shadow of World Literature examines the shift from Qur'anic schooling to secular education in colonial Egypt and shows how an emergent literary discipline transforms the act of reading itself. The various chapters draw from debates in literary theory and anthropology to consider sites of reception that complicate the secular/religious divide—from the discovery of the Rosetta stone and translations of the Qur'an to debates about Charles Darwin in the modern Arabic novel. Through subtle analysis of competing interpretative frames, Allan reveals the ethical capacities and sensibilities literary reading requires, the conceptions of textuality and critique it institutionalizes, and the forms of subjectivity it authorizes.

A brilliant and original exploration of what it means to be literate in the modern world, this book is a unique meditation on the reading practices that define the contours of world literature.

Michael Allan is assistant professor of comparative literature at the University of Oregon.

MAY

978-0-691-16783-1 **Paper \$35.00S**

978-0-691-16782-4 **Cloth \$85.00S**

208 pages. 3 halftones. 6 x 9.

Translation/Transnation
Emily Apter, Series Editor

LITERATURE | COMPARATIVE LITERATURE

The Emperor Nero

A Guide to the Ancient Sources

EDITED BY ANTHONY A. BARRETT,
ELAINE FANTHAM & JOHN C. YARDLEY

Nero's reign (AD 54–68) witnessed some of the most memorable events in Roman history, such as the rebellion of Boudica and the first persecution of the Christians—not to mention Nero's murder of his mother, his tyranny and extravagance, and his suicide, which plunged the empire into civil war. *The Emperor Nero* gathers into a single collection the major sources for Nero's life and rule, providing students of Nero and ancient Rome with the most authoritative and accessible reader there is.

The Emperor Nero features clear, contemporary translations of key literary sources along with translations and explanations of representative inscriptions and coins issued under Nero. An informative introduction situates the emperor's reign within the history of the Roman Empire, and concise headnotes to chapters place the source material in historical and biographical context. Passages are accompanied by detailed notes and are organized around events, such as the Great Fire of Rome, or by topic, such as Nero's relationships with his wives. Complex events like the war with Parthia—split up among several chapters in Tacitus—are brought together in continuous narratives, making this the most comprehensible and user-friendly sourcebook on Nero available.

Anthony A. Barrett is professor emeritus of classics at the University of British Columbia. His books include *Livia: First Lady of Imperial Rome*. **Elaine Fantham** is the Giger Professor of Latin, emerita, at Princeton University. Her books include *Roman Literary Culture: From Plautus to Macrobius*. **John C. Yardley** is professor emeritus of classics at the University of Ottawa. His books include *Alexander the Great: Historical Sources in Translation*.

JULY

978-0-691-15651-4 **Paper \$35.00S**
320 pages. 11 halftones. 6 maps. 6 x 9.

ANCIENT HISTORY | CLASSICS

Divination and Human Nature

A Cognitive History of Intuition
in Classical Antiquity

PETER T. STRUCK

Divination and Human Nature casts a new perspective on the rich tradition of ancient divination—the reading of divine signs in oracles, omens, and dreams. Popular attitudes during classical antiquity saw these readings as signs from the gods while modern scholars have treated such beliefs as primitive superstitions. In this book, Peter Struck reveals instead that such phenomena provoked an entirely different accounting from the ancient philosophers. These philosophers produced subtle studies into what was an odd but observable fact—that humans could sometimes have uncanny insights—and their work signifies an early chapter in the cognitive history of intuition.

Examining the writings of Plato, Aristotle, the Stoics, and the Neoplatonists, Struck demonstrates that they all observed how, setting aside the charlatans and swindlers, some people had premonitions defying the typical bounds of rationality. Given the wide differences among these ancient thinkers, Struck notes that they converged on seeing this surplus insight as an artifact of human nature, projections produced under specific conditions by our physiology. For the philosophers, such unexplained insights invited a speculative search for an alternative and more naturalistic system of cognition.

Recovering a lost piece of an ancient tradition, *Divination and Human Nature* illustrates how philosophers of the classical era interpreted the phenomena of divination as a practice closer to intuition and instinct than magic.

Peter T. Struck is the Evan C. Thompson Associate Professor of Classical Studies at the University of Pennsylvania.

JULY

978-0-691-16939-2 **Cloth \$45.00S**
280 pages. 6 x 9.

CLASSICS

Ancient History | Classics 107

Tales of the Narts

Ancient Myths and Legends of the Ossetians

EDITED BY JOHN COLARUSSO &
TAMIRLAN SALBIEV

Translated by Walter May

The Nart sagas are to the Caucasus what Greek mythology is to Western civilization. *Tales of the Narts* presents a wide selection of fascinating tales preserved as a living tradition among the peoples of Ossetia in southern Russia, a region where ethnic identities have been maintained for thousands of years in the face of major cultural upheavals.

A mythical tribe of tall, nomad warriors, the Narts were courageous, bold, and good-hearted. But they were also capable of cruelty, envy, and forceful measures to settle disputes. In this wonderfully vivid and accessible compilation of stories, colorful and exciting heroes, heroines, villains, and monsters pursue their destinies through a series of peculiar exploits, often with the intervention of ancient gods.

The world of the Narts can be as familiar as it is alien, and the tales contain local themes as well as echoes of influence from diverse lands. The ancestors of the Ossetians once roamed freely from eastern Europe to western China, and their myths exhibit striking parallels with ancient Indian, Norse, and Greek myth. The Nart sagas may also have formed a crucial component of the Arthurian cycle.

Tales of the Narts expands the canon of this precious body of lore and demonstrates the passion and values that shaped the lives of the ancient Ossetians.

John Colarusso is professor of anthropology and modern languages and linguistics at McMaster University and one of the world's most distinguished scholars of comparative linguistics. (For more Nart sagas, see page 66.)

JUNE

978-0-691-17040-4 **Cloth \$39.50S**
608 pages. 6 x 9.

MYTHOLOGY | FOLKLORE

108 Mythology | Archaeology

Trophies of Victory

Public Building in Periklean Athens

T. LESLIE SHEAR, JR.

The Greek military victories at Marathon, Salamis, and Plataia during the Persian Wars profoundly shaped fifth-century politics and culture. By long tradition, the victors commemorated their deliverance by dedicating thank-offerings in the sanctuaries of their gods, and the Athenians erected no fewer than ten new temples and other buildings. Because these buildings were all at some stage of construction during the political ascendancy of Perikles, in the third quarter of the fifth century, modern writers refer to them collectively as the Periklean building program. In *Trophies of Victory*, T. Leslie Shear, Jr., who directed archaeological excavations at the Athenian Agora for more than twenty-five years, provides the first comprehensive account of the Periklean buildings as a group.

This richly illustrated book examines each building in detail, including its archaeological reconstruction, architectural design, sculptural decoration, chronology, and construction history. Shear emphasizes the Parthenon's revolutionary features and how they influenced smaller contemporary temples. In the case of the buildings on the Acropolis and the Telestērion at Eleusis, he looks at accounts of their overseers, which illuminate the administration, financing, and organization of public works. Throughout, the book provides new details about how the Periklean buildings proclaimed Athenian military prowess, aggrandized the city's cults and festivals, and laid claim to its religious and cultural primacy in the Greek world.

T. Leslie Shear, Jr., is professor emeritus of classical archaeology at Princeton University.

APRIL

978-0-691-17057-2 **Paper \$65.00S**
490 pages. 55 halftones. 68 line illus. 8 1/2 x 11.

Publications of the Department of Art and Archaeology,
Princeton University

ARCHAEOLOGY | ART | ARCHITECTURE

Jan Gossart and the Invention of Netherlandish Antiquity

MARISA ANNE BASS

This is the first English-language study of Jan Gossart (ca. 1478–1532)—one of the most important painters of the so-called Northern Renaissance—in his historical context. Providing a richly illustrated chronological narrative of the Netherlandish artist's life and art, Marisa Anne Bass shows how Gossart's painting was part of a larger cultural effort in the Netherlands to assert the region's ancient heritage, one distinct from the Roman past then being revived by the artists of the Italian Renaissance.

Focusing on five of Gossart's vibrant, monumental mythological nudes, the book challenges previous interpretations by arguing that Gossart and his patrons were seeking not to imitate Italian Renaissance models but to contest the idea that the Roman past gave the Italians a monopoly on antiquity. Drawing on many previously unused primary sources in Latin, Dutch, and French, *Jan Gossart and the Invention of Netherlandish Antiquity* offers a fascinating new understanding of both the painter and the Northern Renaissance itself.

Marisa Anne Bass is assistant professor in the Art History and Archaeology Department at Washington University in St. Louis.

APRIL

978-0-691-16999-6 **Cloth \$49.95S**

224 pages. 40 color illus. 57 halftones. 7 x 10.

ART



The first English-language study of Jan Gossart, one of the leading painters of the Northern Renaissance

“With great enthusiasm and erudition, Marisa Anne Bass situates Jan Gossart in the intellectual network of his Netherlandish patrons and thoroughly investigates the literary output of the humanist circles that he and his patrons moved in. Bass has unearthed a vast number of important texts that shed light on the intellectual concerns of the period.”

—Dagmar Eichberger, University of Trier and University of Heidelberg

The Scientist's Guide to Writing

How to Write More Easily and Effectively throughout Your Scientific Career

STEPHEN B. HEARD

*A concise and accessible primer
on the scientific writer's craft*

"A tremendous resource for new science writers. Heard writes so that you want to keep reading, which of course is the skill he's teaching in this book. *The Scientist's Guide to Writing* is carefully considered, engaging, and full of useful ideas."

—Mikaela Huntzinger, coauthor of *How to Do Ecology: A Concise Handbook*

"Delightfully informative. Heard covers nearly every circumstance in which a scientist may need to write—from preparing a scientific paper for publication, to preparing a grant application, to responding to reviewers.

This book is a gold mine of useful guidelines and good advice."

—Mark P. Silverman, author of *A Certain Uncertainty: Nature's Random Ways*

"Writing skills are vital for scientists, contrary to persistent myths among some undergraduates. Stephen Heard has produced a helpful, tightly written guide that will help many in their quest to communicate their research elegantly."

—Jeremy T. Kerr, University of Ottawa

The ability to write clearly is critical to any scientific career. *The Scientist's Guide to Writing* provides practical advice to help scientists become more effective writers so that their ideas have the greatest possible impact.

Drawing on his own experience as a scientist, graduate adviser, and editor, Stephen Heard emphasizes that the goal of all scientific writing should be absolute clarity; that good writing takes deliberate practice; and that what many scientists need are not long lists of prescriptive rules but rather direct engagement with their behaviors and attitudes when they write. He combines advice on such topics as how to generate and maintain writing momentum with practical tips on structuring a scientific paper, revising a first draft, handling citations, responding to peer reviews, managing coauthorships, and more.

In an accessible, informal tone, *The Scientist's Guide to Writing* explains essential techniques that students, postdoctoral researchers, and early-career scientists need to write more clearly, efficiently, and easily.

- ◆ Emphasizes writing as a process, not just a product
- ◆ Encourages habits that improve motivation and productivity
- ◆ Explains the structure of the scientific paper and the function of each part
- ◆ Provides detailed guidance on submission, review, revision, and publication
- ◆ Addresses issues related to coauthorship, English as a second language, and more

Stephen B. Heard is professor of biology at the University of New Brunswick in Canada and associate editor of the journal *American Naturalist*.

MAY

978-0-691-17022-0 **Paper \$21.95S**

978-0-691-17021-3 **Cloth \$59.95S**

304 pages. 17 tables. 6 x 9.

SCIENCE | WRITING | REFERENCE

Doing Global Science

A Guide to Responsible Conduct in the
Global Research Enterprise

INTERACADEMY PARTNERSHIP

This concise introductory guide explains the values that should inform the responsible conduct of scientific research in today's global setting. Featuring accessible discussions and ample real-world scenarios, *Doing Global Science* covers proper conduct, fraud and bias, the researcher's responsibilities to society, communication with the public, and much more. The book places special emphasis on the international and highly networked environment in which modern research is done, presenting science as an enterprise that is being transformed by globalization, interdisciplinary research projects, team science, and information technologies.

Accessibly written by an InterAcademy Partnership committee comprised of leading scientists from around the world, *Doing Global Science* is required reading for students, practitioners, and anyone concerned about the responsible conduct of science today.

InterAcademy Partnership (IAP) is an umbrella organization formed by the merging of three established interacademy networks. The leadership of the new umbrella organization also includes representatives of four regional networks—in Africa, the Asia/Pacific region, Europe, and the Americas. IAP has 130 member academies, which together reach governments that represent 95 percent of the world's population.

MARCH

978-0-691-17075-6 **Cloth \$14.95S**

192 pages. 11 line illus. 5 x 8.

SCIENCE

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Pennsylvania State University

Essential Radio Astronomy

JAMES J. CONDON & SCOTT M. RANSOM

The ideal text for a one-semester course in radio astronomy

“Fantastic. I have been teaching radio astronomy at Harvard for more than forty years, and this is the book I wish I had had to teach from—and the book I wish I had written myself. It is destined to become the essential resource for all aspiring radio astronomers and for anyone who uses radio astronomical data.”

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Essential Radio Astronomy is the only textbook on the subject specifically designed for a one-semester introductory course for advanced undergraduates or graduate students in astronomy and astrophysics. It starts from first principles in order to fill gaps in students' backgrounds, make teaching easier for professors who are not expert radio astronomers, and provide a useful reference to the essential equations used by practitioners.

This unique textbook reflects the fact that students of multiwavelength astronomy typically can afford to spend only one semester studying the observational techniques particular to each wavelength band. *Essential Radio Astronomy* presents only the most crucial concepts—succinctly and accessibly. It covers the general principles behind radio telescopes, receivers, and digital backends without getting bogged down in engineering details. Emphasizing the physical processes in radio sources, the book's approach is shaped by the view that radio astrophysics owes more to thermodynamics than electromagnetism.

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- ◆ Starts from first principles
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- ◆ Supplementary website includes lecture notes, problem sets, exams, and links to interactive demonstrations
- ◆ An online illustration package is available to professors

James J. Condon and **Scott M. Ransom** are astronomers at the National Radio Astronomy Observatory and research professors of astronomy at the University of Virginia.

APRIL

978-0-691-13779-7 **Cloth \$85.00X**

416 pages. 16 color illus. 23 halftones. 132 line illus. 5 tables. 7 x 10.

Princeton Series in Modern Observational Astronomy

David N. Spergel, Series Editor

Astrophysics in a Nutshell

Second Edition

DAN MAOZ

Winner of the American Astronomical Society's Chambliss Award, *Astrophysics in a Nutshell* has become the text of choice in astrophysics courses for science majors at top universities in North America and beyond. In this expanded and fully updated second edition, the book gets even better, with a new chapter on extrasolar planets; a greatly expanded chapter on the interstellar medium; fully updated facts and figures on all subjects, from the observed properties of white dwarfs to the latest results from precision cosmology; and additional instructive problem sets. Throughout, the text features the same focused, concise style and emphasis on physics intuition that have made the book a favorite of students and teachers.

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- ◆ Solutions manual (available only to professors)

Dan Maoz is the George S. Wise Professor at Tel-Aviv University.

MARCH

978-0-691-16479-3 **Cloth \$85.00X**

304 pages. 21 halftones. 77 line illus. 7 x 10.

In a Nutshell

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"Maoz makes generous and excellent use of back-of-the-envelope calculations and approximations to the more complete theory, accurate enough to both illustrate the physics and to arrive at decent numerical answers.... Lots of material is squeezed into this thin volume."

—K. L. Schick, *Choice*

Group Theory in a Nutshell for Physicists

A. ZEE

*A concise, modern textbook
on group theory written
especially for physicists*

“This excellent book stands out by its
clarity of presentation.”

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Physicists* fills a gap in the market. Zee
turns group theory into a less intimi-
dating topic.”

—Katrin Becker, Texas A&M University

“This is an ambitious book. Zee
brings together a lot of material not
easily found in one place.”

—Savdeep S. Sethi, University of
Chicago

Although group theory is a mathematical subject, it is indispensable to many areas of modern theoretical physics, from atomic physics to condensed matter physics, particle physics to string theory. In particular, it is essential for an understanding of the fundamental forces. Yet until now, what has been missing is a modern, accessible, and self-contained textbook on the subject written especially for physicists.

Group Theory in a Nutshell for Physicists fills this gap, providing a user-friendly and classroom-tested text that focuses on those aspects of group theory physicists most need to know. From the basic intuitive notion of a group, A. Zee takes readers all the way up to how theories based on gauge groups could unify three of the four fundamental forces. He also includes a concise review of the linear algebra needed for group theory, making the book ideal for self-study.

- ◆ Provides physicists with a modern and accessible introduction to group theory
- ◆ Covers applications to various areas of physics, including field theory, particle physics, relativity, and much more
- ◆ Topics include finite group and character tables; real, pseudoreal, and complex representations; Weyl, Dirac, and Majorana equations; the expanding universe and group theory; grand unification; and much more
- ◆ The essential textbook for students and an invaluable resource for researchers
- ◆ Features a brief, self-contained treatment of linear algebra
- ◆ An online illustration package is available to professors

A. Zee is professor of physics at the Kavli Institute for Theoretical Physics at the University of California, Santa Barbara. His books include *Quantum Field Theory in a Nutshell*, *Einstein Gravity in a Nutshell*, and *Fearful Symmetry: The Search for Beauty in Modern Physics* (all Princeton).

APRIL

978-0-691-16269-0 **Cloth \$90.00X**
592 pages. 3 halftones. 60 line illus. 7 x 10.

In a Nutshell

Not for sale in China and Taiwan

PHYSICS

REANNOUNCING

Modern Classical Physics

Optics, Fluids, Plasmas, Elasticity, Relativity,
and Statistical Physics

KIP S. THORNE & ROGER D. BLANDFORD

This first-year graduate-level text and reference book covers the fundamental concepts and twenty-first-century applications of six major areas of classical physics that every masters- or PhD-level physicist should be exposed to, but often isn't: statistical physics, optics (waves of all sorts), elastodynamics, fluid mechanics, plasma physics, and special and general relativity and cosmology. Growing out of a full-year course that the eminent researchers Kip Thorne and Roger Blandford taught at Caltech for almost three decades, this book is designed to broaden the training of physicists. Its six main topical sections are also designed so they can be used in separate courses, and the book is an invaluable reference for researchers.

- ◆ Presents all the major fields of classical physics except three prerequisites: classical mechanics, electromagnetism, and elementary thermodynamics
- ◆ Focuses on fundamental concepts and modern, real-world applications
- ◆ Takes applications from fundamental, experimental, and applied physics; astrophysics and cosmology; geophysics, oceanography, and meteorology; biophysics and chemical physics; engineering and optical science and technology; and information science and technology
- ◆ Emphasizes the quantum roots of classical physics, and how to use quantum techniques to elucidate classical concepts or simplify classical calculations
- ◆ Features hundreds of color figures, some five hundred exercises, extensive cross-references, and a detailed index
- ◆ An online illustration package is available to professors

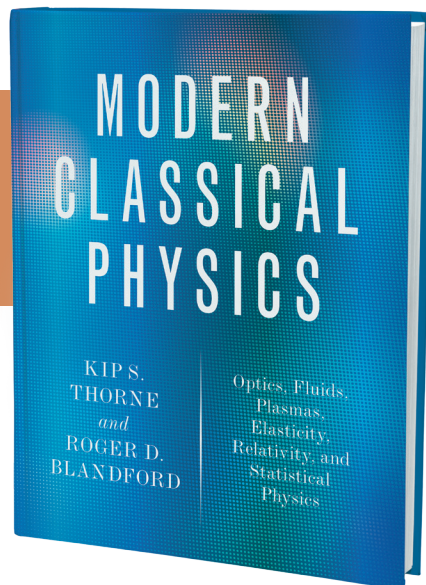
Kip S. Thorne is the Feynman Professor Emeritus of Theoretical Physics at Caltech. **Roger D. Blandford** is the Luke Blossom Professor of Physics and the director of the Kavli Institute of Particle Astrophysics and Cosmology at Stanford University.

OCTOBER 2016

978-0-691-15902-7 Cloth \$99.50X

1504 pages. 24 color illus. 6 halftones. 325 line illus. 15 tables. 8 x 10.

PHYSICS



*A groundbreaking textbook on
twenty-first-century classical physics*

“Comprehensive, concise, and coherent, this is a marvelous summary of the essence of classical physics, somewhat reminiscent of the classic texts of Landau and Lifshitz, and an essential part of any physicist’s toolkit. Classical physics is not ‘old’ physics; it contains many of the most interesting challenges to our understanding of nature and it stands (as in this book) in consistent juxtaposition with quantum physics. This book includes many interesting and often difficult problems, and it will particularly benefit students in the astrophysical and related sciences.”

—David Stevenson, Caltech

Phylogenies in Ecology

A Guide to Concepts and Methods

MARC W. CADOTTE &
T. JONATHAN DAVIES

Phylogenies in Ecology is the first book to critically review the application of phylogenetic methods in ecology, and it serves as a primer to working ecologists and students of ecology wishing to understand these methods. This book demonstrates how phylogenetic information is transforming ecology by offering fresh ways to estimate the similarities and differences among species, and by providing deeper, evolutionary-based insights on species distributions, coexistence, and niche partitioning. Marc Cadotte and Jonathan Davies examine this emerging area's explosive growth, allowing for this new body of hypotheses testing.

Cadotte and Davies systematically look at all the main areas of current ecophylogenetic methodology, testing, and inference. Each chapter of their book covers a unique topic, emphasizes key assumptions, and introduces the appropriate statistical methods and null models required for testing phylogenetically informed hypotheses. The applications presented throughout are supported and connected by examples relying on real-world data that have been analyzed using the open-source programming language, R.

Showing how phylogenetic methods are shedding light on fundamental ecological questions related to species coexistence, conservation, and global change, *Phylogenies in Ecology* will interest anyone who thinks that evolution might be important in their data.

Marc W. Cadotte is associate professor of biology at the University of Toronto, Scarborough. **T. Jonathan Davies** is assistant professor of biology at McGill University.

AUGUST

978-0-691-15768-9 **Cloth \$55.00S**
288 pages. 100 line illus. 7 x 10.

ECOLOGY | BIOLOGY

116 Ecology

The Phytochemical Landscape

Linking Trophic Interactions and
Nutrient Dynamics

MARK D. HUNTER

The dazzling variation in plant chemistry is a primary mediator of trophic interactions, including herbivory, predation, parasitism, and disease. At the same time, such interactions feed back to influence spatial and temporal variation in the chemistry of plants. In this book, Mark Hunter provides a novel approach to linking the trophic interactions of organisms with the cycling of nutrients in ecosystems.

Hunter introduces the concept of the "phytochemical landscape"—the shifting spatial and temporal mosaic of plant chemistry that serves as the nexus between trophic interactions and nutrient dynamics. He shows how plant chemistry is both a cause and consequence of trophic interactions, and how it also mediates ecosystem processes such as nutrient cycling. Nutrients and organic molecules in plant tissues affect decomposition rates and the fluxes of elements such as carbon, nitrogen, and phosphorus. The availability of these same nutrients influences the chemistry of cells and tissues that plants produce. In combination, these feedback routes generate pathways by which trophic interactions influence nutrient dynamics and vice versa. Hunter provides evidence from terrestrial and aquatic systems for each of these pathways, and describes how a focus on the phytochemical landscape enables us to better understand and manage ecosystems.

Essential reading for students and researchers alike, this book offers an integrated approach to ecological processes.

Mark D. Hunter is the Henry A. Gleason Collegiate Professor of Ecology and Evolutionary Biology at the University of Michigan.

AUGUST

978-0-691-15845-7 **Cloth \$65.00S**
336 pages. 99 line illus. 6 x 9.

Monographs in Population Biology, 56
Simon A. Levin & Henry S. Horn, Series Editors

ECOLOGY | BIOLOGY

Pursuing Sustainability

A Guide to the Science and Practice

PAMELA MATSON, WILLIAM C. CLARK
& KRISTER ANDERSSON

Sustainability is a global imperative and a scientific challenge like no other. This concise guide provides students and practitioners with a strategic framework for linking knowledge with action in the pursuit of sustainable development, and serves as an invaluable companion to more narrowly focused courses dealing with sustainability in particular sectors such as energy, food, water, and housing, or in particular regions of the world.

Written by leading experts, *Pursuing Sustainability* shows how more inclusive and interdisciplinary approaches and systems perspectives can help you achieve your sustainability objectives. It stresses the need for understanding how capital assets are linked to sustainability goals through the complex adaptive dynamics of social-environmental systems, how committed people can use governance processes to alter those dynamics, and how successful interventions can be shaped through collaborations among researchers and practitioners on the ground.

The ideal textbook for undergraduate and graduate students and an invaluable resource for anyone working in this fast-growing field, *Pursuing Sustainability* also features case studies, a glossary, and suggestions for further reading.

- ◆ Provides a strategic framework for linking knowledge with action
- ◆ Draws on the latest cutting-edge science and practices
- ◆ Utilizes interdisciplinary approaches and systems perspectives
- ◆ Illustrates concepts with a core set of case studies used throughout the book
- ◆ An online illustration package is available to professors

Pamela Matson is dean of the School of Earth, Energy & Environmental Sciences and the Goldman Professor of Environmental Studies at Stanford University. **William C. Clark** is the Harvey Brooks Professor of International Science, Public Policy, and Human Development at Harvard University's Kennedy School of Government. **Krister Andersson** is professor of political science at the University of Colorado at Boulder.

APRIL

978-0-691-15761-0 **Cloth \$35.00S**

192 pages. 7 halftones. 17 line illus. 4 tables. 6 x 9.

ENVIRONMENTAL SCIENCE | ECOLOGY | PUBLIC POLICY

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"It is an enormous challenge to relay to students the complexity of sustainable development while providing them with skills and ways of thinking that can be applied concretely. This succinct and accessible primer provides the essential tools, methods, and approaches they need."

—Ruth DeFries, author of *The Big Ratchet: How Humanity Thrives in the Face of Natural Crisis*

"A useful, compelling synthesis of a range of ideas."

—Kai N. Lee, coauthor of *Humans in the Landscape: An Introduction to Environmental Studies*

Non-Archimedean Tame Topology and Stably Dominated Types

EHUD HRUSHOVSKI & FRANÇOIS LOESER

Over the field of real numbers, analytic geometry has long been in deep interaction with algebraic geometry, bringing the latter subject many of its topological insights. In recent decades, model theory has joined this work through the theory of o-minimality, providing finiteness and uniformity statements and new structural tools.

For non-archimedean fields, such as the p -adics, the Berkovich analytification provides a connected topology with many thoroughgoing analogies to the real topology on the set of complex points, and it has become an important tool in algebraic dynamics and many other areas of geometry.

This book lays down model-theoretic foundations for non-archimedean geometry. The methods combine o-minimality and stability theory. Definable types play a central role, serving first to define the notion of a point and then properties such as definable compactness.

Beyond the foundations, the main theorem constructs a deformation retraction from the full non-archimedean space of an algebraic variety to a rational polytope. This generalizes previous results of V. Berkovich, who used resolution of singularities methods.

No previous knowledge of non-archimedean geometry is assumed.

Ehud Hrushovski is professor of mathematics at the Hebrew University of Jerusalem. **François Loeser** is professor of mathematics at Pierre-and-Marie-Curie University in Paris.

MARCH

978-0-691-16169-3 **Paper \$75.00S**
978-0-691-16168-6 **Cloth \$165.00S**
232 pages. 7 x 10.

Annals of Mathematics Studies, 192
Phillip A. Griffiths, John N. Mather & Elias M. Stein,
Series Editors

MATHEMATICS

118 Mathematics

The p -adic Simpson Correspondence

AHMED ABBES, MICHEL GROS & TAKESHI TSUJI

The p -adic Simpson correspondence, recently initiated by Gerd Faltings, aims at describing all p -adic representations of the fundamental group of a proper smooth variety over a p -adic field in terms of linear algebra—namely Higgs bundles. This book undertakes a systematic development of the theory following two new approaches, one by Ahmed Abbes and Michel Gros, the other by Takeshi Tsuji. The authors mainly focus on generalized representations of the fundamental group that are p -adically close to the trivial representation.

The first approach relies on a new family of period rings built from the torsor of deformations of the variety over a universal p -adic thickening defined by J. M. Fontaine. The second approach introduces a crystalline-type topos and replaces the notion of Higgs bundles with that of Higgs isocrystals. The authors show the compatibility of the two constructions and the compatibility of the correspondence with the natural cohomologies. The last part of the volume contains results of wider interest in p -adic Hodge theory. The reader will find a concise introduction to Faltings' theory of almost étale extensions and a chapter devoted to the Faltings topos.

Ahmed Abbes is director of research at the French National Center for Scientific Research (CNRS) and the Institute of Advanced Scientific Studies (IHÉS), France. **Michel Gros** is a researcher at the CNRS. **Takeshi Tsuji** is a professor in the Graduate School of Mathematical Sciences at the University of Tokyo.

MAY

978-0-691-17029-9 **Paper \$75.00S**
978-0-691-17028-2 **Cloth \$165.00S**
618 pages. 7 x 10.

Annals of Mathematics Studies, 193
Phillip A. Griffiths, John N. Mather & Elias M. Stein,
Series Editors

MATHEMATICS

Fourier Restriction for Hypersurfaces in Three Dimensions and Newton Polyhedra

ISROIL A. IKROMOV & DETLEF MÜLLER

This is the first book to present a complete characterization of Stein-Tomas type Fourier restriction estimates for large classes of smooth hypersurfaces in three dimensions, including all real-analytic hypersurfaces. The range of Lebesgue spaces for which these estimates are valid is described in terms of Newton polyhedra associated to the given surface.

Isroil Ikromov and Detlef Müller begin with Elias M. Stein's concept of Fourier restriction and some relations between the decay of the Fourier transform of the surface measure and Stein-Tomas type restriction estimates. Varchenko's ideas relating Fourier decay to associated Newton polyhedra are briefly explained, particularly the concept of adapted coordinates and the notion of height. It turns out that these classical tools suffice to treat the case where there exist linear adapted coordinates, and thus Ikromov and Müller concentrate on the remaining case. Here the notion of r -height is introduced. They then describe decomposition techniques and related stopping time algorithms. Different interpolation techniques are presented and used, from complex to more recent real methods by Bak and Seeger.

Fourier restriction plays an important role in several fields, in particular in real and harmonic analysis, number theory, and PDEs. This book will interest graduate students and researchers working in such fields.

Isroil A. Ikromov is professor of mathematics at Samarkand State University in Uzbekistan. **Detlef Müller** is professor of mathematics at the University of Kiel in Germany.

JULY

978-0-691-17055-8 **Paper \$75.00S**

978-0-691-17054-1 **Cloth \$165.00S**

312 pages. 7 line illus. 6 x 9.

Annals of Mathematics Studies, 194
Phillip A. Griffiths, John N. Mather & Elias M. Stein,
Series Editors

MATHEMATICS

Complex Ball Quotients and Line Arrangements in the Projective Plane

PAULA TRETAKOFF

With an appendix by Hans-Christoph Im Hof

This book introduces the theory of complex surfaces through a comprehensive look at finite covers of the projective plane branched along line arrangements. Paula Tretkoff emphasizes those finite covers that are free quotients of the complex two-dimensional ball. Tretkoff also includes background on the classical Gauss hypergeometric function of one variable, and a chapter on the Appell two-variable F_1 hypergeometric function.

The material in this book began as a set of lecture notes, taken by Tretkoff, of a course given by Friedrich Hirzebruch at ETH Zürich in 1996. The lecture notes were then considerably expanded by Hirzebruch and Tretkoff over a number of years. In this book, Tretkoff has expanded those notes even further, still stressing examples offered by finite covers of line arrangements. The book is largely self-contained and foundational material is introduced and explained as needed, but not treated in full detail. References to omitted material are provided for interested readers.

Aimed at graduate students and researchers, this is an accessible account of a highly informative area of complex geometry.

Paula Tretkoff is professor of mathematics at Texas A&M University and director of research in the National Center for Scientific Research (CNRS) at the Université de Lille 1, France.

MARCH

978-0-691-14477-1 **Paper \$75.00X**

232 pages. 2 line illus. 18 tables. 6 x 9.

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MATHEMATICS