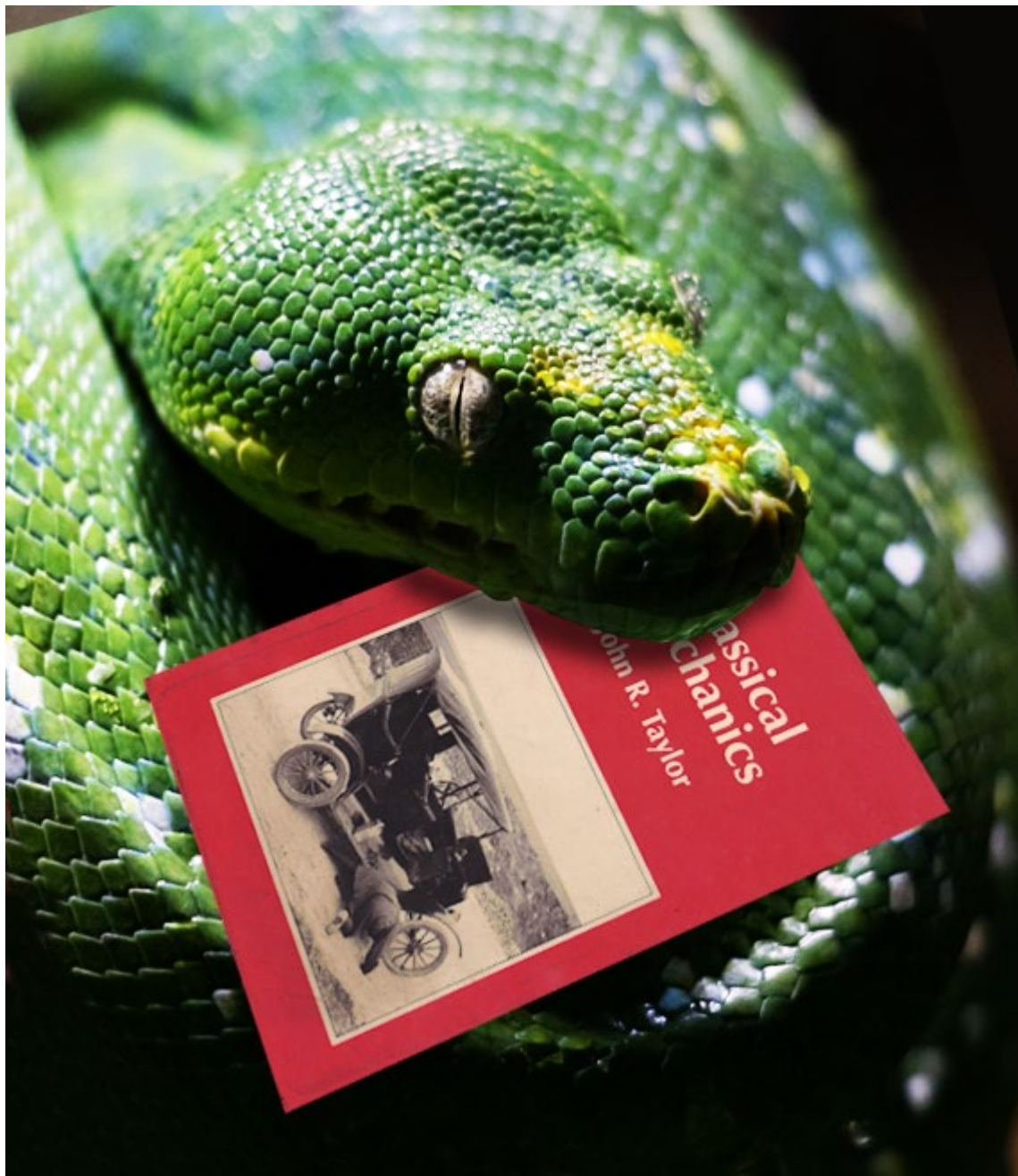


Frankfurt Book Fair 2023 Rights Guide



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JUST PUBLISHED

A Standard Model Workbook

Thomas A. Moore, Pomona College

580 pages

Subjects: Physics, Particle Physics

Licenses: World Rights Available

Softcover ISBN: 978-1-940380-17-9

eISBN: 978-1-940380-18-6

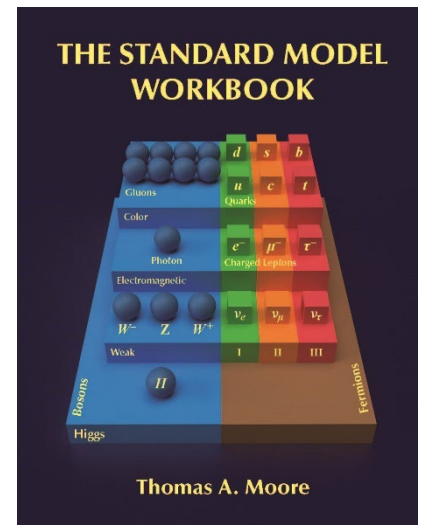
"Moore blends clear and efficient prose with well-chosen exercises that are an essential part of the exposition, helping students build both fluency with the concepts and facility with the calculations. This workbook guides the student from first steps to the sort of mastery through computation that is prized by working physicists."

-William Loinaz, Amherst College

"A delightful overview of particle physics for an undergraduate course. Moore clearly understands his student audience and their capabilities/limitations and tunes the pacing and parcelling of the material accordingly."

-Jonas Mureika, Loyola Marymount University

Following on the heels of his brilliant text on general relativity, Tom Moore's new active-learning approach to the standard model provides students with a classroom-tested resource to optimize learning in student-centered settings. Developed to support a one-semester upper-level undergraduate or graduate course, it includes hundreds of homework problems that will guide students to a clear understanding of this fascinating field on the frontier of physics.



ALSO COMING IN 2023

Python Exercises in Classical Mechanics

Charlotte Christensen and Paul J. H. Tjossem, Grinnell College

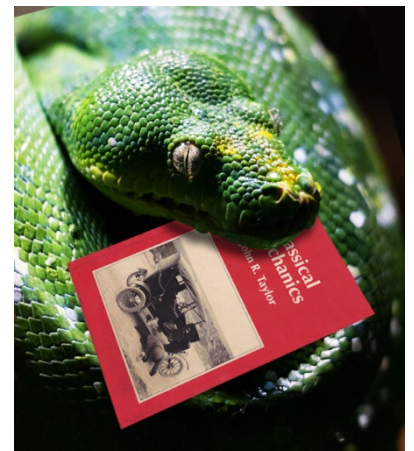
Est. 360 pages

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Designed to accompany John Taylor's internationally best-selling *Classical Mechanics*, this text provides a series of interactive computational exercises in Python that analyze classical mechanical systems from both analytical and numerical perspectives. No pre-existing experience with Python is required, as this book integrates scientific programming instruction directly into the standard undergraduate classical mechanics physics course.

Consider a Spherical Cow: A Course in Environmental Problem Solving, 2nd Edition

John Harte, University of California, Berkeley

Est. 350 pages

Subjects: Earth & Environmental Sciences, Environmental Chemistry

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Softcover ISBN: 978-1-940380-22-3

eISBN: 978-1-940380-23-0

After guiding thousands of college students through environmental problem solving courses with his brilliantly innovative text -- *Consider a Spherical Cow* -- John Harte has now released a long-awaited 2nd edition. Like its predecessor, the new edition teaches creative approaches to mathematical modeling, and applies those skills to a wide range of real-world environmental problems. Organized both by modeling tools and environmental topics, this book includes 56 posed problems and worked-out solutions, as well as 101 new quantitative homework exercises, and entirely new sections on probability, radiation and radioactivity, and epidemics.

Student Solutions Manual to accompany An Introduction to Error Analysis, 3rd Edition

John R. Taylor, University of Colorado

Peter Saeta, Harvey Mudd College

Michael Buché, Sandia National Laboratories

Subjects: Chemistry, Engineering, Physics

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Softcover ISBN: 978-1-940380-30-8

eISBN: 978-1-940380-31-5

This detailed *Student Solutions Manual* accompanies our internationally lauded text, *An Introduction to Error Analysis* by John R. Taylor, which is newly released in its 3rd edition after sales of more than 120,000 print copies in its lifetime.

FORTHCOMING IN 2024

University Physics: Integrating It All

Shane L. Larson, Northwestern University

Ron Hellings, Montana State University

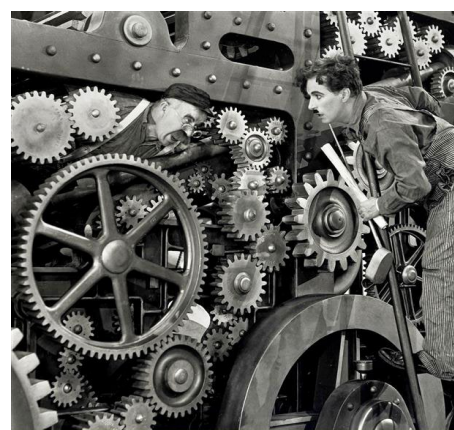
Subjects: Physics

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eISBN: 978-1-940380-20-9

This calculus-based first-year physics textbook is another ground-breaking iconoclast in its market, meeting a clear demand from physics instructors and students for a clearer, shorter, more readable and affordable core physics text.



UNIVERSITY PHYSICS

Integrating It All

SHANE L. LARSON AND RON HELTINGS

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Raymond Chang and Chip Lovett, Williams College

Subjects: Chemistry, Physical Chemistry

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eISBN: 978-1-940380-35-3

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Addison Ault and Charles Liberko, Cornell College

James Hanson, Joseph Badillo, and Cosimo Antonacci, Seton Hall University

Subjects: Chemistry, Organic Chemistry

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Building on the legacy of the previous six editions, the new 7th edition of Ault's well known lab manual opens up a world of unique, informative, and exciting experiments. This new edition is redesigned to be environmentally friendly, and the inclusion of interesting consumer chemicals connects the experiments with the everyday lives of the students.

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Donald A. McQuarrie, University of California, Davis, and Joshua Schrier, Fordham University

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Subjects: Chemistry, Inorganic Chemistry

Licenses: World Rights Available

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RECENT RELEASES & BEST SELLING

An Introduction to Error Analysis: The Study of Uncertainties in Physical Measurements, 3rd Edition

John R. Taylor, University of Colorado

371 pages

Subjects: Chemistry, Engineering, Physics, Physical Chemistry

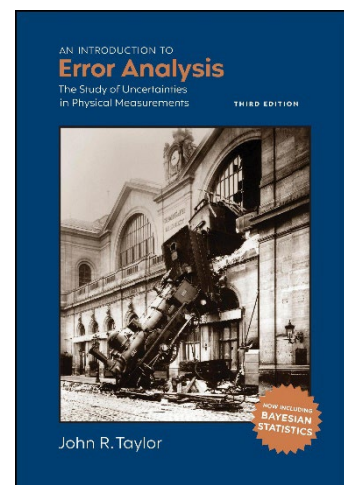
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The updated third edition of John Taylor's best-selling text includes a new chapter on Bayesian statistics and new chapter-ending questions throughout. The new third edition is available in hardcover, softcover, and eBook editions.

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Mathematical Methods for Molecular Science: Theory and Applications, Visualizations and Narrative

John E. Straub, Boston University

Subjects: Chemistry, Engineering, Physical Chemistry

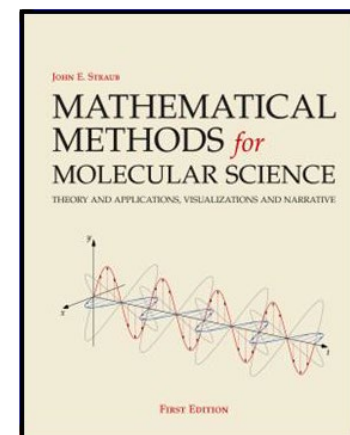
535 pages

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This visually oriented new text is designed to bridge the mathematics knowledge gap between what is commonly known after completing a year of introductory calculus and what is required for success in the physical sciences and physical chemistry courses.

Print ISBN: 978-1-940380-13-1

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Classical Mechanics

John R. Taylor, University of Colorado

Subjects: Engineering, Physics

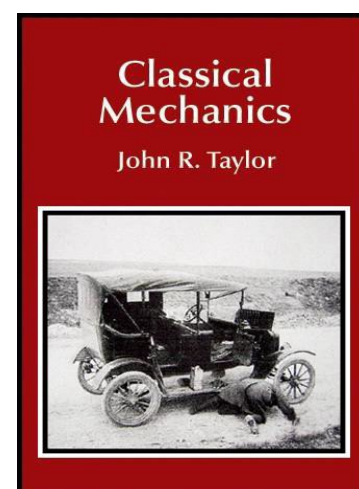
786 pages

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Adopted by hundreds of colleges and universities in the US and Canada and translated into six languages, Taylor's *Classical Mechanics* is a thorough and very readable introduction to a subject that is four hundred years old but as exciting today as ever.

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Physical Chemistry: A Molecular Approach

Donald A. McQuarrie, University of California, Davis

John D. Simon

Subjects: Physical Chemistry

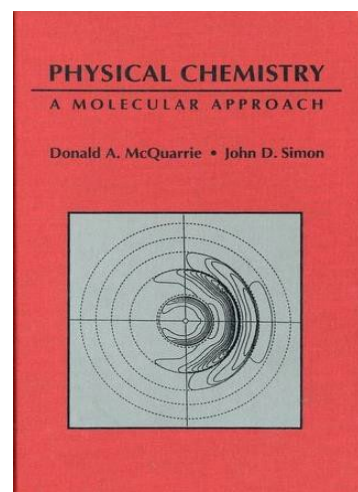
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Modern Physical Organic Chemistry

Eric V. Anslyn, University of Texas, Austin

Dennis A. Dougherty, California Institute of Technology

Subjects: Chemistry, Organic Chemistry

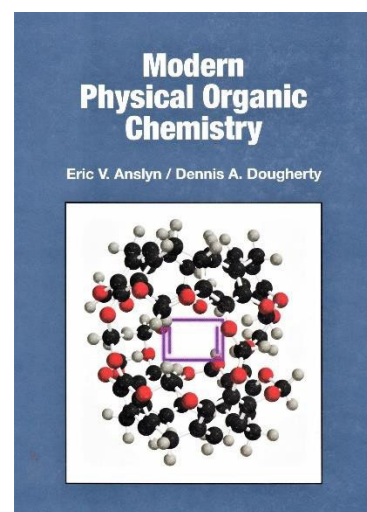
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A General Relativity Workbook

Thomas A. Moore, Pomona College

Subjects: Physics

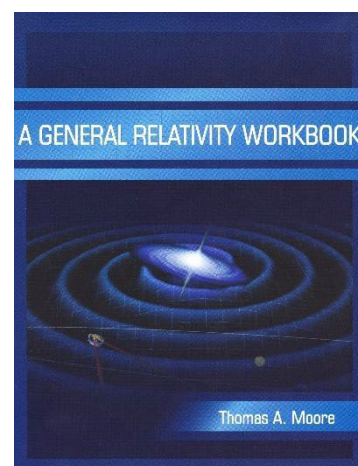
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