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YOSELIN AIYANA

The Genesis of General Relativity

Random House Digital, Inc.
This is the first discussion in English of the ethical implications of German liberal theology in the early

years of the twentieth century. It avoids pejorative interpretative categories (such as `culture protestantism'), seeking instead to understand a much neglected period on its own terms. The leading figure, Ernst Troeltsch (1865-1923), is treated as a `public theologian', engaging at many different levels with his social and political context and trying to ensure that religion could continue to shape the future course of history. To understand his context he made use of the tools of the emergent discipline of sociology and also entered into dialogue with philosophers and historians. Troeltsch's public theology is contrasted with other liberal models of theology, particularly those of the New Testament scholar Wilhelm Bousset and the systematic theologian Wilhelm Herrmann, who were far more reluctant to engage seriously with their context and as a result isolated religion from its wider social and intellectual setting. Troeltsch's theological solution is also compared with Max Weber's sociological response to the problems of modernity: Troeltsch's ideas of cultural synthesis are seen as both constructive and critical and as having much to contribute to contemporary social and political theology.

Classical Mechanics

IOP Publishing Limited

This volume comprises Adorno's first lectures

specifically dedicated to the subject of the dialectic, a concept which has been key to philosophical debate since classical times. While discussing connections with Plato and Kant, Adorno concentrates on the most systematic development of the dialectic in Hegel's philosophy, and its relationship to Marx, as well as elaborating his own conception of dialectical thinking as a critical response to this tradition. Delivered in the summer semester of 1958, these lectures allow Adorno to explore and probe the significant difficulties and challenges this way of thinking posed within the cultural and intellectual context of the post-war period. In this connection he develops the thesis of a complementary relationship between positivist or functionalist approaches, particularly in the social sciences, as well as calling for the renewal of ontological and metaphysical modes of thought which attempt to transcend the abstractness of modern social experience by appeal to regressive philosophical categories. While providing an account of many central themes of Hegelian thought, he also alludes to a whole range of other philosophical, literary and artistic figures of central importance to his conception of critical theory, notably Walter Benjamin and the idea of a constellation of

concepts as the model for an 'open or fractured dialectic' beyond the constraints of method and system. These lectures are seasoned with lively anecdotes and personal recollections which allow the reader to glimpse what has been described as the 'workshop' of Adorno's thought. As such, they provide an ideal entry point for all students and scholars in the humanities and social sciences who are interested in Adorno's work as well as those seeking to understand the nature of dialectical thinking.

Ecology IGI Global

This entry-level textbook, covering the area of tissue optics, is based on the lecture notes for a graduate course (Bio-optical Imaging) that has been taught six times by the authors at Texas A&M University. After the fundamentals of photon transport in biological tissues are established, various optical imaging techniques for biological tissues are covered. The imaging modalities include ballistic imaging, quasi-ballistic imaging (optical coherence tomography), diffusion imaging, and ultrasound-aided hybrid imaging. The basic physics and engineering of each imaging technique are emphasized. A solutions manual is available for instructors; to obtain a copy please email the editorial department at ialine@wiley.com.

Lecture Notes On General Topology Oxford University Press

This is the first book dedicated to reviewing the mathematics of random tilings of large domains on the plane.
Learning Discourses and the Discourses of Learning John Wiley & Sons
This book is intended as a one-semester course in general topology, a.k.a. point-set topology, for undergraduate students as well as first-year graduate students. Such a course is considered a prerequisite for further studying analysis, geometry, manifolds, and certainly, for a career of mathematical research. Researchers may find it helpful especially from the comprehensive indices.General topology resembles a language in modern mathematics. Because of this, the book is with a concentration on basic concepts in general topology, and the presentation is of a brief style, both concise and precise. Though it is hard to determine exactly which concepts therein are basic and which are not, the author makes efforts in the selection according to personal experience on the occurrence frequency of notions in advanced mathematics, and to related books that have received admirable reviews.This book also contains exercises for each chapter with selected solutions. Interrelationships among concepts are taken into account frequently. Twelve particular topological spaces are repeatedly

exploited, which serve as examples to learn new concepts based on old ones.
Lecture Notes in Elementary Real Analysis Springer Science & Business Media
Essential Advanced Physics is a series comprising four parts: Classical Mechanics, Classical Electrodynamics, Quantum Mechanics and Statistical Mechanics. Each part consists of two volumes, Lecture Notes and Problems with Solutions, further supplemented by an additional collection of test problems and solutions available to qualifying university instructors. Written for graduate and advanced undergraduate students, the goal of this series is to provide readers with a knowledge base necessary for professional work in physics, be that theoretical or experimental, fundamental or applied research. From the formal point of view, it satisfies typical PhD basic course requirements at major universities. Selected parts of the series may be also valuable for graduate students and researchers in allied disciplines, including astronomy, chemistry, materials science, and mechanical, electrical, computer and electronic engineering. The EAP series is focused on the development of problem-solving skills. The following features distinguish it from other graduate-level

textbooks: Concise lecture notes (250 pages per semester) Emphasis on simple explanations of the main concepts, ideas and phenomena of physics Sets of exercise problems, with detailed model solutions in separate companion volumes Extensive cross-referencing between the volumes, united by common style and notation Additional sets of test problems, freely available to qualifying faculty This volume, Classical Mechanics: Lecture Notes is intended to be the basis for a one-semester graduate-level course on classical mechanics and dynamics, including the mechanics of continua, in particular deformations, elasticity, waves, and fluid dynamics.

Ernst Troeltsch and Liberal Theology Springer

First published in 1994. Routledge is an imprint of Taylor & Francis, an informa company.

Loose Papers, 1830-1843 Fortress Press

For over a century, the Danish thinker Søren Kierkegaard (1813–55) has been at the center of a number of important discussions, concerning not only philosophy and theology but also, more recently, fields such as social thought, psychology, and contemporary aesthetics, especially literary theory. Despite his relatively short life, Kierkegaard was an extraordinarily prolific writer, as attested to by the 26-volume

Princeton University Press edition of all of his published writings. But Kierkegaard left behind nearly as much unpublished writing, most of which consists of what are called his “journals and notebooks.” Kierkegaard has long been recognized as one of history’s great journal keepers, but only rather small portions of his journals and notebooks are what we usually understand by the term “diaries.” By far the greater part of Kierkegaard’s journals and notebooks consists of reflections on a myriad of subjects—philosophical , religious, political, personal. Studying his journals and notebooks takes us into his workshop, where we can see his entire universe of thought. We can witness the genesis of his published works, to be sure—but we can also see whole galaxies of concepts, new insights, and fragments, large and small, of partially (or almost entirely) completed but unpublished works. Kierkegaard’s Journals and Notebooks enables us to see the thinker in dialogue with his times and with himself. Kierkegaard wrote his journals in a two-column format, one for his initial entries and the second for the extensive marginal comments that he added later. This edition of the journals reproduces this format, includes several photographs of original manuscript pages, and contains extensive scholarly commentary

on the various entries and on the history of the manuscripts being reproduced. Volume 11, Part 1, and Volume 11, Part 2, present an exciting, enlightening, and enormously varied treasure trove of papers that were found, carefully sorted and stored by Kierkegaard himself, in his apartment after his death. These papers—many of which have never before been published in English—provide a window into many different aspects of Kierkegaard's life and creativity. Volume 11, Part 1, includes items from his earliest, formative years, through his extensive studies at the university, and up to the publication of Either/Or. These materials include Kierkegaard's studies in biblical exegesis; his reading of theologians such as Schleiermacher and Baader; his concern with aesthetic matters, including a lengthy consideration of the Faust legend; his first, trial sermon, delivered at the Pastoral Seminary; his views on the burgeoning field of political journalism in the 1830s; and a group of papers he titled "The First Rudiments of Either/Or. The Green Book. Some Particulars that were not Used."

Emil Artin and Helmut Hasse Princeton University Press

This is the most thorough and detailed monograph on the artwork of Raymond Jonson. He is one of many artists of the first half of the twentieth-century who

demonstrate the richness and diversity of an under-appreciated period in the history of American art. Visualizing the spiritual was one of the fundamental goals of early abstract painting in the years before and during World War I. Artists turned to alternative spirituality, the occult, and mysticism, believing that the pure use of line, shape, color, light and texture could convey spiritual insight. Jonson was steadfastly dedicated to this goal for most of his career and he always believed that modernist and abstract styles were the most effective and compelling means of achieving it.

Lecture Notes

Springer

* 900 pages of never-before-translated Bonhoeffer works * Illuminating essays, letters, and lectures clarify Bonhoeffer's biographical and theological path

Lecture Notes on Fundamentals of Combustion Joseph Michael Powers

This volume, which ten years ago appeared as the first in the acclaimed series Lecture Notes in Logic, serves as an introduction to recursion theory. The fundamental concept of recursion makes the idea of computability accessible to a mathematical analysis, thus forming one of the pillars on which modern computer science rests. The clarity and focus of this text have established it as a classic instrument for teaching and self-

study that prepares its readers for the study of advanced monographs and the current literature on recursion theory.

The Development of Modern Logic Springer

2 But already he had done important work on thermal equilibrium which helped generalize Maxwell's distribution law. Indeed, there is part of a letter by James Clerk Maxwell to Loschmidt from this period which runs: "I am very pleased over the outstanding work of your student; in England experi mental physics is much neglected. Sir William Thomson has done the most in this connection, but you [in Austria] are ahead of us with your good example. "2 But while praise was fine, Boltzmann lusted after further travel. He wanted to know what other physicists were doing first hand. In 1870 he attended lectures by Bunsen and Konigsberger in Heid elberg, and in the same year went to Berlin only to scurry back to Vienna with the outbreak of the Franco-Prussian War, but Boltzmann was back in Berlin the next year attending lectures, visiting laboratories, and working on dielectricity more or less under the direction of Kirchhhoff and Helmholtz.

Lecture Notes Lulu.com

At the present time, the average undergraduate mathematics major finds mathematics heavily compartmentalized. After the calculus, he

takes a course in analysis and a course in algebra. Depending upon his interests (or those of his department), he takes courses in special topics. Ifhe is exposed to topology, it is usually straightforward point set topology; if he is exposed to geom etry, it is usually classical differential geometry. The exciting revelations that there is some unity in mathematics, that fields overlap, that techniques of one field have applications in another, are denied the undergraduate. He must wait until he is well into graduate work to see interconnections, presumably because earlier he doesn't know enough. These notes are an attempt to break up this compartmentalization, at least in topology-geometry. What the student has learned in algebra and advanced calculus are used to prove some fairly deep results relating geometry, topol ogy, and group theory. (De Rham's theorem, the Gauss-Bonnet theorem for surfaces, the functorial relation of fundamental group to covering space, and surfaces of constant curvature as homogeneous spaces are the most note worthy examples.) In the first two chapters the bare essentials of elementary point set topology are set forth with some hint ofthe subject's application to functional analysis.

Child Law Lecture Notes World Scientific Empirical verification of knowledge is one of

the foundations for developing any discipline. As far as software construction is concerned, the empirically verified knowledge is not only sparse but also not very widely disseminated among developers and researchers. This book aims to spread the idea of the importance of empirical knowledge in software development from a highly practical viewpoint. It has two goals: (1) Define the body of empirically validated knowledge in software development so as to advise practitioners on what methods or techniques have been empirically analysed and what the results were; (2) as empirical tests have traditionally been carried out by universities or research centres, propose techniques applicable by industry to check on the software development technologies they use. Contents: Limitations of Empirical Testing Technique Knowledge (N Juristo et al.); Replicated Studies: Building a Body of Knowledge about Software Reading Techniques (F Shull et al.); Combining Data from Reading Experiments in Software Inspections OCo A Feasibility Study (C Wholin et al.); External Experiments OCo A Workable Paradigm for Collaboration Between Industry and Academia (F Houdek); (Quasi-)Experimental Studies in Industrial Settings (O Laitenberger & D Rombach); Experimental

Validation of New Software Technology (M V Zelkowitz et al.). Readership: Researchers, academics and professionals in software engineering." **Critical Thinking Notes, Jeffrey Grupp, U. of Michigan â Dearborn** OUP Oxford This volume consists of the English translations of the letters exchanged between Emil Artin to Helmut Hasse written from 1921 until 1958. The letters are accompanied by extensive comments explaining the mathematical background and giving the information needed for understanding these letters. Most letters deal with class field theory and shed a light on the birth of one of its most profound results: Artin's reciprocity law. **Reading Kant's Lectures** Augsburg Fortress Pub Strategic leadership techniques are the cornerstone to positive growth and prosperity within businesses and organizations. Implementing new management strategies and practices helps to ensure managers are optimizing their resources and driving innovation. The Encyclopedia of Strategic Leadership and Management investigates emergent administrative techniques and business practices being utilized within corporate and educational settings. Highlighting empirical research and best practices within the

field, this encyclopedia will be an authoritative reference source for students, researchers, faculty, librarians, managers, and leaders across various disciplines and cultures.

KRA113 Chemistry 1A

Springer Science & Business Media

The content in Chapter 1–3 is a fairly standard one-semester course on local rings with the goal to reach the fact that a regular local ring is a unique factorization domain. The homological machinery is also supported by Cohen–Macaulay rings and depth. In Chapters 4–6 the methods of injective modules, Matlis duality and local cohomology are discussed. Chapters 7–9 are not so standard and introduce the reader to the generalizations of modules to complexes of modules. Some of Professor Iversen's results are given in Chapter 9. Chapter 10 is about Serre's intersection conjecture. The graded case is fully exposed. The last chapter introduces the reader to Fitting ideals and McRae invariants. Contents:Dimension of a Local RingModules over a Local RingDivisor TheoryCompletionInjective ModulesLocal CohomologyDualizing ComplexesLocal DualityAmplitude and DimensionIntersection MultiplicitiesComplexes of Free Modules Readership: Graduate students and academic researchers with an interest in algebra, commutative algebra, algebra geometry,

homological algebra and algebraic number theory. Key Features:Although the proofs are fairly short, the key points give readers the opportunity to supply details for their own satisfactionThe classical result of Auslander-Buchsbaum on unique factorization in a regular local ring is treated in a context of divisor and Picard groups, and this enlightens and connects to methods from number theoryThis book contains original research of the late Professor Iversen that are not published in this form beforeKeywords:Local Rings;Injective Modules;Matlis Duality;Local Cohomology;Birger's Results;Serre's Intersection Conjecture;Fitting Ideals;McRae InvariantsReviews: “This is a very nice text on some important topics on commutative ring theory.” Mathematical Association of America **LLAW 3257 Recent Cases and Robens Report Lecture Notes for Semester 1, 2011 (Handout Number 8).** Routledge This work is directed to those who want to learn more about the Fijian language. It is intended as a reference work, treating in detail such tropics as verb and noun classification, transitivity, the phonological hierarchy, orthography, specification, possession, subordination, and the definite article (among

others). In addition, it is an attempt to fit these pieces together into a unified picture of the structure of the language.

Lecture Notes on Elementary Topology and Geometry Routledge This book introduces particle physics, astrophysics and cosmology. Starting from an experimental perspective, it provides a unified view of these fields that reflects the very rapid advances being made. This new edition has a number of improvements and has been updated to describe the recent discovery of gravitational waves and astrophysical neutrinos, which started the new era of multimessenger astrophysics; it also includes new results on the Higgs particle. Astroparticle and particle physics share a common problem: we still don't have a description of the main ingredients of the Universe from the point of view of its energy budget. Addressing these fascinating issues, and offering a balanced introduction to particle and astroparticle physics that requires only a basic understanding of quantum and classical physics, this book is a valuable resource, particularly for advanced undergraduate students and for those embarking on graduate courses. It includes exercises that offer readers practical insights. It can be used equally well as a self-study book, a

reference and a textbook.

Sources and Interpretations

Springer Science & Business Media

This compact textbook is a collection of the author's lecture notes for a two-semester graduate-level real analysis course. While the material covered is standard, the author's approach is unique in that it combines elements from both Royden's and Folland's classic texts to provide a more concise and intuitive presentation. Illustrations, examples, and exercises are included that present Lebesgue integrals, measure theory, and topological spaces in an original and more accessible way, making difficult concepts easier for students to understand. This text can be used as a supplementary resource or for individual study.

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