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Klassische Elektrodynamik Essential Advanced Physics Classical Electrodynamics Solution Manual for Classical Mechanics and Electrodynamics Classical Electrodynamics with Solutions Solutions for Problems in Classical Electrodynamics Classical Electrodynamics Classical Electrodynamics Solved Problems in Classical Electromagnetism Classical Electrodynamics Field, Force, Energy and Momentum in Classical Electrodynamics (Revised Edition) Classical Mechanics Solved Problems in Classical Electromagnetism Analytic Solutions of Functional Equations Elektrodynamik Advanced Classical Electrodynamics Symmetry Analysis and Exact Solutions of Equations of Nonlinear Mathematical Physics Classical Mechanics Illustrated By Modern Physics: 42 Problems With Solutions Classical Electrodynamics, Volume 4: Problems with Solutions Classical Electrodynamics Advanced Classical Electromagnetism The Initial Value Problem in Classical Electrodynamics Conservation Laws and Open Questions of Classical Electrodynamics Estonian Studies in the History and Philosophy of Science Problems in Classical Electromagnetism Relativistic Electrodynamics and Differential Geometry Problems in Classical Electromagnetism Electron Theory and Quantum Electrodynamics Quantum Theory of Near-Field Electrodynamics Handbook of Differential Equations: Ordinary Differential Equations Problems And Solutions On Electromagnetism (this Volume Comprises 440 Problems And Is Divided Into Five Parts) Vacuum Structure in Intense Fields Stochastic Processes, Physics And Geometry Ii - Proceedings Of The Iii International Conference Has the Last Word Been Said on Classical Electrodynamics? The Quantum Handshake Problems And Solutions On Quantum Mechanics Proceedings of the International Conference on Two Cosmological Models Statistical Mechanics Inconsistency Solution of Maxwell's Equations

Solved Problems in Classical Electromagnetism Feb 23 2022 Companion to Classical Electromagnetism: Second Edition, which features only basic answers. This book contains some problems from the companion volume plus many new ones, all with complete, worked-out solutions. 2018 edition.

Sep 20 2021

Advanced Classical Electromagnetism Jan 13 2021 A modern approach to classical electromagnetism Electromagnetism is one of the pillars of modern physics. Robert Wald provides graduate students with a clear, concise, and mathematically precise introduction to the subject, covering all the core topics while bringing the teaching of electromagnetism up to date with our modern understanding of the subject. Electromagnetism is usually taught in a quasi-historical fashion, starting from concepts formulated in the eighteenth and nineteenth centuries, but this tends to promote outdated ways of thinking about the theory. Wald begins with Maxwell's equations—the foundation of electromagnetism—together with the formulas for the energy density, momentum density, and stress tensor of the electromagnetic field. He then proceeds through all the major topics in classical electromagnetism, such as electrostatics, dielectrics, magnetostatics, electrodynamics and radiation, diffraction, and special relativity. The last two chapters discuss electromagnetism as a gauge theory and the notion of a point charge—topics not normally treated in electromagnetism texts.

Completely rethinks how to teach electromagnetism to first-year graduate students Presents electromagnetism from a modern, mathematically precise perspective, formulating key conceptual ideas and results clearly and concisely Written by a world-class physicist and proven in the classroom Covers all the subjects found in standard electromagnetism textbooks as well as additional topics such as the derivation of the initial value formulation for Maxwell's equations Also ideal as a supplementary text or for self-study

Problems in Classical Electromagnetism Sep 08 2020 This book contains 157 problems in classical electromagnetism, most of them new and original compared to those found in other textbooks. Each problem is presented with a title in order to highlight its inspiration in different areas of physics or technology, so that the book is also a survey of historical discoveries and applications of classical electromagnetism. The solutions are complete and include detailed discussions, which take into account typical questions and mistakes by the students. Without unnecessary mathematical complexity, the problems and related discussions introduce the student to advanced concepts such as unipolar and homopolar motors, magnetic monopoles, radiation pressure, angular momentum of light, bulk and surface plasmons, radiation friction, as well as to tricky concepts and ostensible ambiguities or paradoxes related to the classical theory of the electromagnetic field. With this approach the book is both a teaching tool for undergraduates in physics, mathematics and electric engineering, and a reference for students wishing to work in optics, material science, electronics, plasma physics.

Has the Last Word Been Said on Classical Electrodynamics? Nov 30 2019

Proceedings of the International Conference on Two Cosmological Models Aug 27 2019

Analytic Solutions of Functional Equations Aug 20 2021

Advanced Classical Electrodynamics Jun 17 2021 This textbook introduces advanced classical electrodynamics using modern mathematical techniques, with an emphasis on physical concepts. Connections to field theory and general relativity are highlighted while the book still serves as the basis for a one- or two-semester course on electrodynamics within the graduate curriculum. Request Inspection Copy

Quantum Theory of Near-Field Electrodynamics May 05 2020 "Quantum Theory of Near-field Electrodynamics" gives a self-contained account of the fundamental theory of field-matter interaction on a subwavelength scale. The quantum physical behavior of matter (atoms and mesoscopic media) in both classical and quantum fields is treated. The role of local-field effects and nonlocal electrodynamics, and the tight links to the theory of spatial photon localization are emphasized. The book may serve as a reference work in the field, and is of general interest for physicists working in quantum optics, mesoscopic electrodynamics and physical optics. The macroscopic and microscopic classical theories form a good starting point for the quantum approach, and these theories are presented in a manner appropriate for graduate students entering near-field optics.

Electron Theory and Quantum Electrodynamics Jun 05 2020 Proceedings of a NATO ASI held in Edime, Turkey, September 5-16, 1994

Classical Electrodynamics Apr 27 2022 This is a comprehensive and ?user-friendly? textbook for a two-semester graduate level course in physics and electrical engineering. Many applications are given in the text. Over two hundred problems are also given. Problem solving by simple and direct approaches (with detailed calculations) are included, and hints are provided to solve the more difficult problems. Approaches to choosing suitable diagrams, coordinating systems and to symmetry requirements are discussed. Mathematical reviews are also given, with emphasis on intuition and fundamentals.

Klassische Elektrodynamik Nov 03 2022

The Initial Value Problem in Classical Electrodynamics Dec 12 2020

Problems And Solutions On Quantum Mechanics Sep 28 2019 The material for these volumes has been selected from the past twenty years' examination questions for graduate students at the University of California at Berkeley, Columbia University, the University of Chicago, MIT, the State University of New York at Buffalo, Princeton University and the University of Wisconsin.

Solved Problems in Classical Electromagnetism Oct 22 2021 Classical electromagnetism - one of the fundamental pillars of physics - is an important topic for all types of physicists from the theoretical to the applied. The subject is widely recognized to be one of the most challenging areas of the physics curriculum, both for students to learn and for lecturers to teach. Although textbooks on electromagnetism are plentiful, hardly any are written in the question-and-answer style format adopted in this book. It contains nearly 300 worked questions and solutions in classical electromagnetism, and is based on material usually encountered during the course of a standard university physics degree. Topics covered include some of the background mathematical techniques, electrostatics, magnetostatics, elementary circuit theory, electrodynamics, electromagnetic waves and electromagnetic radiation. For the most part the book deals with the microscopic theory, although we also introduce the important subject of macroscopic electromagnetism as well. Nearly all questions end with a series of comments whose purpose is to stimulate inductive reasoning and reach various important conclusions arising from the problem. Occasionally, points of historical interest are also mentioned. Both analytical and numerical techniques are used in obtaining and analyzing solutions. All computer calculations are performed with MathematicaCO® and the relevant code is provided in a notebook; either in the solution or the comments.

Vacuum Structure in Intense Fields Jan 31 2020 This Advanced Study Institute (ASI) brought together two distinct ·"schools of approach" to Quantum Electrodynamics (QED) in the presence of intense, external, electromagnetic fields, in an effort to lay a joint foundation for a needed theoretical explanation of the sharp e+ e- "resonances" observed in the scattering of very heavy IOns. These (GSI/Darmstadt) experiments, whose history, latest reconfirmations, and most recent data were presented in three opening sessions (Bokemeyer, Koenig), show a smooth background of positron (e+) production, as a function of e+ kinetic energy. Superimposed upon this background are four very sharp peaks, of narrow widths (~ 30 KeV) and of clear experimental significance ('" 5 standard deviations). Most ofthese peaks correspond to sharp, essentially back-to-back electron-positron emission in the ions' center of mass. Following the approach of "supercritical" potential theory (SPT), where the total ionic charge unit Z satisfies Z > 137, it has been possible to provide a detailed and apparently correct understanding of the smooth e+ e- background; a coherent description of different facets of this approach, emphasizing the nature of the charged, supercritical vacuum, was described by the authors responsible for the invention of SPT (Greiner, Muller, Rafelski). In addition, predictions for related phenomena were outlined by other lecturers using the SPT approach (Bawin, Soff, SsJrensen).

Stochastic Processes, Physics And Geometry Ii - Proceedings Of The Iii International Conference Jan 01 2020 In the last few years there has been an explosion of activity in the field of the dynamics of fractal surfaces, which, through the convergence of important new results from computer simulations, analytical theories and experiments, has led to significant advances in our understanding of nonequilibrium surface growth phenomena. This interest in surface growth phenomena has been motivated largely by the fact that a wide variety of natural and industrial processes lead to the formation of rough surfaces and interfaces. This book presents these developments in a single volume by bringing

together the works containing the most important results in the field.The material is divided into chapters consisting of reprints related to a single major topic. Each chapter has a general introduction to a particular aspect of growing fractal surfaces. These introductory parts are included in order to provide a scientific background to the papers reproduced in the main part of the chapters. They are written in a pedagogical style and contain only the most essential information. The contents of the reprints are made more accessible to the reader as they are preceded by a short description of what the editors find to be the most significant results in the paper.

Conservation Laws and Open Questions of Classical Electrodynamics Nov 10 2020 The monograph reflects the current standard of knowledge about the open questions considered, taking care to collect and collate all the revelant ideas, facts and formulae which have been until now widely scattered throughout the literature. For the first time, these aspects are collated in book form. Care is taken to clarify the issues, give a systematic collection of conditions which prospective solutions of these open questions have to meet, and gather and collate various useful theoretical concepts and results. Contents:Conservation Laws of Classical Electrodynamics: Basic Equations of Classical ElectrodynamicsConservation Laws for a Continuous Electromechanical SystemElectrodynamic Steady StatesLorentz-Covariant FormulationsElectromagnetic RadiationEnergy and Linear, Angular and Boost Momenta Radiated by a Charged Mechanical MediumComparison of the Properties of Maxwell and Electrodynamic Densities of Energy, Linear and Angular Momenta, and Their FlowsPhysical Significance of the Retarded Lorentz-Gauge PotentialsClassical Pointlike Charged ParticlesPointlike ChargeMotion of Classical Pointlike Charged Particles in External Force FieldsAsymptotic Behaviour of Trajectories of Classical Pointlike Charged Particles in Response to a Small and Slowly Changing External Force Readership: Theoretical physicists and applied mathematicians. Review: "... the book will be most useful to all physicists who wish to go beyond classroom expositions of an apparently unfashionable subject ..." Mathematical Reviews, 1993

The Quantum Handshake Oct 29 2019 This book shines bright light into the dim recesses of quantum theory, where the mysteries of entanglement, nonlocality, and wave collapse have motivated some to conjure up multiple universes, and others to adopt a "shut up and calculate" mentality. After an extensive and accessible introduction to quantum mechanics and its history, the author turns attention to his transactional model. Using a quantum handshake between normal and time-reversed waves, this model provides a clear visual picture explaining the baffling experimental results that flow daily from the quantum physics laboratories of the world. To demonstrate its powerful simplicity, the transactional model is applied to a collection of counter-intuitive experiments and conceptual problems.

Problems in Classical Electromagnetism Jul 07 2020 This second edition adds 46 new problems, for a total of 203. The solutions to certain "old" problems have been revised for improved clarity, in response to questions and comments from our students (second-year students in the Master's in Physics program). Each problem is given a title indicating its relation to the various areas of physics or technology. By tackling the problems presented here, students are gently introduced to advanced topics such as unipolar and homopolar motors, magnetic monopoles, radiation pressure, angular momentum of light, bulk and surface plasmons, and radiation friction. We also address a number of tricky concepts and apparent ambiguities and paradoxes encountered in the classical theory of electromagnetism, with a particular focus on conservation laws and transformation properties between different frames of reference. At the same time, the book can be used as an introduction to applications of classical electromagnetism including cutting-edge

topics like plasmonics, metamaterials, and light-driven propulsion. While unnecessary mathematical complexity is avoided, the new edition also provides a few introductory examples concerning elegant and powerful solution techniques. Hopefully the second edition offers an even better teaching tool for undergraduates in physics, mathematics, and electric engineering, and a valuable reference guide for students planning to work in optics, material science, electronics, and plasma physics.

Handbook of Differential Equations: Ordinary Differential Equations Apr 03 2020 This handbook is the third volume in a series of volumes devoted to self contained and up-to-date surveys in the tehory of ordinary differential equations, written by leading researchers in the area. All contributors have made an additional effort to achieve readability for mathematicians and scientists from other related fields so that the chapters have been made accessible to a wide audience. These ideas faithfully reflect the spirit of this multi-volume and hopefully it becomes a very useful tool for reseach, learing and teaching. This volumes consists of seven chapters covering a variety of problems in ordinary differential equations. Both pure mathematical research and real word applications are reflected by the contributions to this volume. Covers a variety of problems in ordinary differential equations Pure mathematical and real world applications Written for mathematicians and scientists of many related fields

Elektrodynamik Jul 19 2021

Classical Electrodynamics with Solutions Jun 29 2022
這本書是繼先前出版的電動力學解答再出一本續集。有很多先前沒有的解答及內容。書沒寫得很完全。但是解答還是有人要。先前的紙本請至
https://myship.7-11.com.tw/general/detail/GM2110239660930 購買

Classical Mechanics Illustrated By Modern Physics: 42 Problems With Solutions Apr 15 2021 In many fields of modern physics, classical mechanics plays a key role. However, the teaching of mechanics at the undergraduate level often confines the applications to old-fashioned devices such as combinations of springs and masses, pendulums, or rolling cylinders.This book provides an illustration of classical mechanics in the form of problems (at undergraduate level) inspired — for the most part — by contemporary research in physics, and resulting from the teaching and research experience of the authors. A noticeable feature of this book is that it emphasizes the experimental aspects of a large majority of problems. All problems are accompanied by detailed solutions: the calculations are clarified and their physical significance commented on in-depth. Within the solutions, the basic concepts from undergraduate lectures in classical mechanics, necessary to solve the problems, are recalled when needed. The authors systematically mention recent bibliographical references (most of them freely accessible via the Internet) allowing the reader to deepen their understanding of the subject, and thus contributing to the building of a general culture in physics./a

Classical Electrodynamics, Volume 4: Problems with Solutions Mar 15 2021 Classical Electrodynamics: Problems with solutions contains detailed model solutions to the exercise problems formulated in the companion Lecture notes volume. In many cases, the solutions include result discussions that enhance the lecture material. For the reader's convenience, the problem assignments are reproduced in this volume.

Problems And Solutions On Electromagnetism (this Volume Comprises 440 Problems And Is Divided Into Five Parts) Mar 03 2020

Classical Electrodynamics Mar 27 2022 This book addresses the theoretical foundations and the main physical consequences of electromagnetic interaction, generally considered to be one of the four fundamental interactions in nature, in a mathematically rigorous yet straightforward way. The major focus is on the unifying features shared by classical electrodynamics and all other fundamental relativistic classical field theories. The book presents a balanced blend of derivations of phenomenological predictions from first

principles on the one hand, and concrete applications on the other. Further, it highlights the internal inconsistencies of classical electrodynamics, and addresses and resolves often-ignored critical issues, such as the dynamics of massless charged particles, the infinite energy of the electromagnetic field, and the limits of the Green's function method. Presenting a rich, multilayered, and critical exposition on the electromagnetic paradigm underlying the whole Universe, the book offers a valuable resource for researchers and graduate students in theoretical physics alike.

Essential Advanced Physics Oct 02 2022 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. This volume, Classical Electrodynamics: Problems with Solutions contains detailed model solutions to the exercise problems formulated in the companion Lecture Notes volume. In many cases, the solutions include result discussions that enhance the lecture material. For reader's convenience, the problem assignments are reproduced in this volume.

Classical Electrodynamics Jan 25 2022 A revision of the defining book covering the physics and classical mathematics necessary to understand electromagnetic fields in materials and at surfaces and interfaces. The third edition has been revised to address the changes in emphasis and applications that have occurred in the past twenty years.

Classical Mechanics Nov 22 2021 Essential Advanced Physics (EAP) 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 also be 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: Problems with solutions contains detailed model solutions to the exercise problems formulated in the companion Lecture notes volume. In many cases, the solutions include result discussions that enhance the lecture material. For the reader's convenience, the problem assignments are reproduced in this volume.

Classical Electrodynamics Sep 01 2022 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. This volume, Classical Electrodynamics: Lecture notes is intended to be the basis for a two-semester graduate-level course on electricity and magnetism, including not only the interaction and dynamics charged point particles, but also properties of dielectric, conducting, and

magnetic media. The course also covers special relativity, including its kinematics and particle-dynamics aspects, and electromagnetic radiation by relativistic particles.

Solutions for Problems in Classical Electrodynamics May 29 2022

Inconsistency Solution of Maxwell's Equations Jun 25 2019

Classical Electrodynamics Feb 11 2021 This book proposes intriguing arguments that will enable students to achieve a deeper understanding of electromagnetism, while also presenting a number of classical methods for solving difficult problems. Two chapters are devoted to relativistic electrodynamics, covering all aspects needed for a full comprehension of the nature of electric and magnetic fields and, subsequently, electrodynamics. Each of the two final chapters examines a selected experimental issue, introducing students to the work involved in actually proving a law or theory. Classical books on electricity and magnetism are mentioned in many references, helping to familiarize students with books that they will encounter in their further studies. Various problems are presented, together with their worked-out solutions. The book is based on notes from special lectures delivered by the author to students during the second year of a BSc course in Physics, but the subject matter may also be of interest to senior physicists, as many of the themes covered are completely ignored or touched only briefly in standard textbooks.

Statistical Mechanics Jul 27 2019 "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. This volume Statistical Mechanics: Problems with solutions contains detailed model solutions to the exercise problems formulated in the companion Lecture Notes volume. In many cases, the solutions include result discussions that enhance the lecture material. For reader's convenience, the problem assignments are reproduced in this volume." -- Prové de l'editor.

Relativistic Electrodynamics and Differential Geometry Aug 08 2020 The aim of this book is to provide a short but complete exposition of the logical structure of classical relativistic electrodynamics written in the language and spirit of coordinate-free differential geometry. The intended audience is primarily mathematicians who want a bare-bones account of the foundations of electrodynamics written in language with which they are familiar and secondarily physicists who may be curious how their old friend looks in the new clothes of the differential-geometric viewpoint which in recent years has become an important language and tool for theoretical physics. This work is not intended to be a textbook in electrodynamics in the usual sense; in particular no applications are treated, and the focus is exclusively the equations of motion of charged particles. Rather, it is hoped that it may serve as a bridge between mathemat ics and physics. Many non-physicists are surprised to learn that the correct equation to describe the motion of a classical charged particle is still a matter of some controversy. The most mentioned candidate is the Lorentz-Dirac equation t . However, it is experimentally unverified, is known to have no physically reasonable solutions in certain circumstances, and its usual derivations raise serious foundational issues. Such difficulties are not extensively discussed in most electrodynamics texts, which quite naturally are oriented toward applying the well-verified part of the subject to con crete problems.

Solution Manual for Classical Mechanics and Electrodynamics Jul 31 2022 As the essential companion book to Classical Mechanics and Electrodynamics (World Scientific, 2018), a textbook which aims to provide a general introduction to classical theoretical physics, in the fields of mechanics, relativity and electromagnetism, this book provides worked solutions to the exercises in Classical Mechanics and Electrodynamics.Detailed

explanations are laid out to aid the reader in advancing their understanding of the concepts and applications expounded in the textbook.

Symmetry Analysis and Exact Solutions of Equations of Nonlinear Mathematical Physics May 17 2021 by spin or (spin s = 1/2) field equations is emphasized because their solutions can be used for constructing solutions of other field equations insofar as fields with any spin may be constructed from spin s = 1/2 fields. A brief account of the main ideas of the book is presented in the Introduction. The book is largely based on the authors' works [55-109, 176-189, 13-16, 7-14*,23*, 24*] carried out in the Institute of Mathematics, Academy of Sciences of the Ukraine. References to other sources is not intended to imply completeness. As a rule, only those works used directly are cited. The authors wish to express their gratitude to Academician Yu.A. Mitropoi sky, and to Academician of Academy of Sciences of the Ukraine O.S. Parasyuk, for basic support and stimulation over the course of many years; to our cowork ers in the Department of Applied Studies, LA. Egorchenko, R.Z. Zhdanov, A.G. Nikitin, LV. Revenko, V.L Lagno, and I.M. Tsifra for assistance with the manuscript.*

Field, Force, Energy and Momentum in Classical Electrodynamics (Revised Edition) Dec 24 2021 The classical theory of electrodynamics is based on Maxwell's equations and the Lorentz law of force. This book begins with a detailed analysis of these equations, and proceeds to examine their far-reaching consequences. The traditional approach to electrodynamics treats the 'microscopic' equations of Maxwell as fundamental, with electric charge and electric current as the sole sources of the electric and magnetic fields. Subsequently, polarization and magnetization are introduced into Maxwell's equations to account for the observed behavior of material media. The augmented equations, known as Maxwell's 'macroscopic' equations, are considered useful for practical applications, but are also ultimately reducible to the more fundamental 'microscopic' equations. In contrast, this textbook treats Maxwell's 'macroscopic' equations as the foundation of classical electrodynamics, and treats electrical charge, electrical current, polarization, and magnetization as the basic constituents of material media. The laws that govern the distribution of electromagnetic energy and momentum in space-time are also introduced in an early chapter, then discussed in great detail in subsequent chapters. The text presents several examples that demonstrate the solution of Maxwell's equations in diverse situations, aiming to enhance the reader's understanding of the flow of energy and momentum as well as the distribution of force and torque throughout the matter-field systems under consideration. This revised edition of Field, Force, Energy and Momentum in Classical Electrodynamics features revised chapters, some of which include expanded discussions of fundamental concepts or alternative derivations of important formulas. The new edition also features three additional chapters covering Maxwell's equations in spherical coordinates (Chapter 10), the author's recent discussion (and streamlined proof) of the Optical Theorem (Chapter 13), and the fascinating connections between electromagnetism and Einstein's special theory of relativity (Chapter 15). A new appendix covers the SI system of units that has been used throughout the book. The book is a useful textbook for physics majors studying classical electrodynamics. It also serves as a reference for industry professionals and academic faculty in the fields of optics and advanced electronics.

Estonian Studies in the History and Philosophy of Science Oct 10 2020 The development of geography also forms an interesting chapter in the history of the University ofTartu and in that of Estonian science in general. On the one hand, geography is a natural science in the broader sense ofthe word, on the other hand it is a study of human activity. This status of geography makes it particularly sensitive to the cultural and political circumstances under which scholarship and science have developed in Estonia. The article

by Professor of Human Geography Ott Kurs (born 1939) and historian of science (PhD in geography) Erki Tamrniksaar (born 1969) "In Political Draughts Between Science and the Humanities: Geography at the University ofTartu Between the th th 17 -20 Centuries" is devoted to this topic. Among other things, the article states that regular instruction in geography started at the University of Tartu in 1826, when the second chair of geography in Europe was established here. Although the present book does not contain any studies on philosophy at th Tartu University in the 19 century, I would still like to mention two names. th In the early 19 century, I. Kant's philosophy was dominant at Tartu Uni versity. One of Kant's pupils, Gottlob Benjamin Jasche (1762-1839), who had worked under him as a Privatdozent in Konigsberg, served as a professor here from 1802-1839. In the history of philosophy he is primarily known as the publisher of Kant's Logic.