

Numerical methods for nonsmooth dynamical systems applications in mechanics and electronics lecture notes in applied and computational mechanics (PDF)

Statistical Mechanics and Fractals Lecture Notes in Control and Information Sciences Lecture Notes in Cosmology Illustrated Lecture Notes in Oral & Maxillofacial Surgery Lecture Notes in History 10b Lecture Notes In Introduction To Corporate Finance Surgical Talk Lecture Notes in Computational Intelligence and Decision Making Surgical Talk Lecture Notes in Real Analysis Lectures on Non- Standard Analysis Lecture Notes on Mean Curvature Flow Lecture Notes: Psychiatry Elderly Care Medicine Lecture Notes in Mathematics, 501-1000 Lecture Notes in Algebraic Topology An Index (and Other Useful Information) 1-36 Number Theory and Its Applications An Index and Other Useful Information Lecture Notes in Physics, 1-222 Lecture Notes on Dermatology Lectures on the Ricci Flow Lecture Notes in Control and Computer Science Lecture Notes on Immunology Lecture Notes: Immunology Lecture Notes on Motivic Cohomology Lecture Notes in Child and Adolescent Psychiatry Lecture Notes in Mathematics Lecture Notes: Clinical Pharmacology and Therapeutics General Surgery, with Wiley E-Text Ophthalmology Lecture Notes Haematology Lecture Notes in Acoustics USMLE Step 1 Lecture Notes 2021: 7-Book Set Lecture Notes: Emergency Medicine The Notre Dame Lectures Group Theoretical Methods in Physics Lecture Notes in Introduction to Corporate Finance Lie Algebras and Applications Lecture Notes in Physics

Statistical Mechanics and Fractals 1993 this book is composed of two texts by r l dobrushin and s kusuoka each representing the content of a course of lectures given by the authors they are pitched at graduate student level and are thus very accessible introductions to their respective subjects for students and non specialists contents r l dobrushin on the way to the mathematical foundations of statistical mechanics s kusuoka diffusion processes on nested fractals

Lecture Notes in Control and Information Sciences 1981 cosmology has become a very active research field in the last decades thanks to the impressive improvement of our observational techniques which have led to landmark discoveries such as the accelerated expansion of the universe and have put physicists in front of new mysteries to unveil such as the quest after the nature of dark matter and dark energy these notes offer an approach to cosmology covering fundamental topics in the field the expansion of the universe the thermal history the evolution of small cosmological perturbations and the anisotropies in the cosmic microwave background radiation some extra topics are presented in the penultimate chapter and some standard results of physics and mathematics are available in the last chapter in order to provide a self contained treatment these notes offer an in depth account of the above mentioned topics and are aimed to graduate students who want to build an expertise in cosmology

Lecture Notes in Cosmology 2018-07-21 a compilation of 15 years work this book is a contemporary introduction to the art and science of oral and maxillofacial surgery practice for residents packed with useful and practical information the book is written in a succinct style that is easy to understand and follow even for readers whose first language is not english liberally illustrated with simple color diagrams and clinical pictures lecture notes functions as a teaching manual a basic resource for curriculum development and a useful guide for the preparation of examinations

Illustrated Lecture Notes in Oral & Maxillofacial Surgery 2008 this volume will introduce the reader to basic topics of corporate finance the notes will provide an integrative model that will help students evaluate projects examine financing alternatives and assess a firm with problems and detailed solutions at the end of each chapter this volume will also greatly benefit financial managers and investors corporate finance is a discipline from the firm s perspective and addresses the concerns of the chief financial officer of the firm additionally investors need to understand why firms make certain decisions so that they better recognize what drives firm value these lecture notes assume no previous knowledge of finance and are written in a conversational style that makes the topics more accessible and applications in mechanics and electronics lecture notes in applied and computational mechanics

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Lecture Notes in History 10b 1915 this textbook is an introduction and guide to undergraduate surgery it has been a bestseller since its first edition in 2001 the philosophy of this book is to focus on the level of knowledge and the approach that would be expected of the better students reaching the end of their undergraduate training avoiding a book that is too cumbersome we have tried to make this volume readable and enjoyable using various techniques to help the reader remember key facts the text has been deliberately written in a tutorial like story format as opposed to a set of lists since this makes it easier to understand and remember in addition to general surgery the book contains sections on trauma orthopaedics urology and ent making it the only comprehensive textbook for medical students wishing to learn top tips in surgery subjects that are poorly covered in other main texts such as fluid balance management and minor surgical procedures are dealt with in a tutorial fashion in this book and there is a section on how to problem solve even in the context of areas unknown to the student this book is useful for medical students and also for junior doctors during their day to day working lives as well as those coming up to postgraduate exams each chapter is written by an authoritative author alongside the book editors and they have ensured it remains in the spirit of the bestselling previous editions foreword foreword 31 kb

Lecture Notes In Introduction To Corporate Finance 2017-02-17 this book is devoted to current problems of artificial and computational intelligence including decision making systems collecting analysis and processing information are the current directions of modern computer science development of new modern information and computer technologies for data analysis and processing in various fields of data mining and machine learning creates the conditions for increasing effectiveness of the information processing by both the decrease of time and the increase of accuracy of the data processing the book contains of 54 science papers which include the results of research concerning the current directions in the fields of data mining machine learning and decision making the papers are divided in terms of their topic into three sections the first section analysis and modeling of complex systems and processes contains of 26 papers and the second section theoretical and applied aspects of decision making systems contains of 13 papers there are 15 papers in the third section computational intelligence and inductive modeling the book is focused to scientists and developers in the fields of data mining machine learning and decision making systems

Surgical Talk 2012-05-03 this textbook is an introduction and guide to undergraduate surgery it has been a bestseller since its first edition in 2001 the philosophy of this book is to focus on the level of knowledge and the approach that would be expected of the better students reaching the end of their undergraduate training avoiding a book that is too cumbersome we have tried to make this book readable and enjoyable as well as using various techniques to help the reader remember key facts in addition to general surgery the book contains sections on trauma orthopaedics urology and ent making it the only comprehensive textbook for medical students wishing to learn top tips in surgery subjects that are poorly covered in all the main texts are dealt with in a tutorial fashion in this book such as fluid balance management and minor surgical procedures and there is a section on how to problem solve even in the context of areas unknown to the student this book is useful for medical students and also for junior doctors during their day to day working lives as well as those coming up to postgraduate exams the text has been deliberately written in a tutorial like story format as opposed to a set of lists since this makes it easier to understand and remember each chapter is written by an authoritative author alongside the book editors who have ensured it remains in the spirit of the bestselling previous editions

Lecture Notes in Computational Intelligence and Decision Making 2021-07-22 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

Surgical Talk 2012 the hope of this work is that these notes will help to convince more mathematicians that non standard analysis can make a useful addition to the tools of their trade

Lecture Notes in Real Analysis 2018-11-21 this book is an introduction to the subject of mean curvature flow of hypersurfaces with special emphasis on the analysis of singularities this flow occurs in the description of the evolution of numerous physical models where the energy is given by the area of the interfaces these notes provide a detailed discussion of the classical parametric approach mainly developed by r hilton and g huisken they are well suited for a

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course at phd postdoc level and can be useful for any researcher interested in a solid introduction to the technical issues of the field all the proofs are carefully written often simplified and contain several comments moreover the author revisited and organized a large amount of material scattered around in literature in the last 25 years

Lectures on Non- Standard Analysis 1969-09 lecture notes psychiatry provides a concise and accessible introduction to the fundamentals of psychiatry presenting the principles of psychiatric examination followed by systematic coverage of the major psychiatric disorders as well as covering management and treatment options this eleventh edition has been revised to include recent developments in history taking psychotropic drugs and case presentations as well as covering the practical elements of patient guidance and care key features include clearly presented tables figures and end of chapter key point summaries to aid revision an emphasis on core management skills needed by junior doctors in both psychiatric and general hospital settings quick reference guides to help structure patient assessments on the go mcqs and case studies in line with medical school and professional level psychiatry exams for those embarking on study or refreshing their knowledge of psychiatry lecture notes psychiatry provides a step by step guide to both its wider and patient centred practice

Lecture Notes on Mean Curvature Flow 2011-07-28 elderly care medicine lecture notes provides all the necessary information within one short volume for a sound introduction to the particular characteristics and needs of elderly patients presented in a user friendly format combining readability with high quality illustrations this eighth edition has been thoroughly revised to reflect advances in knowledge on how disease presents in elderly people and changes in management practice particularly regarding stroke dementia delirium and cancer new for this edition elderly care medicine lecture notes also features more treatment tables and boxes throughout for rapid access and revision expansion of material on polypharmacy and prescribing discussion of emotional support counselling and spirituality advice for doctors on breaking bad news and end of life care consideration of ethical and legal issues a companion website at lecturenoteseries.com/elderlycaremed features appendices which can be used as guidelines in a clinical setting key revision points for each chapter further reading suggestions and extended content for specialty training in geriatrics not only is this book a great starting point to support initial teaching on the topic but it is also easy to dip in and out of for reference or revision at the end of a module rotation or final exams whether you need to develop or refresh your knowledge of geriatrics elderly care medicine lecture notes presents need to know information for all those involved in treating elderly people

Lecture Notes: Psychiatry 2013-10-21 the amount of algebraic topology a graduate student specializing in topology must learn can be intimidating moreover by their second year of graduate studies students must make the transition from understanding simple proofs line by line to understanding the overall structure of proofs of difficult theorems to help students make this transition the material in this book is presented in an increasingly sophisticated manner it is intended to bridge the gap between algebraic and geometric topology both by providing the algebraic tools that a geometric topologist needs and by concentrating on those areas of algebraic topology that are geometrically motivated prerequisites for using this book include basic set theoretic topology the definition of cw complexes some knowledge of the fundamental group covering space theory and the construction of singular homology most of this material is briefly reviewed at the beginning of the book the topics discussed by the authors include typical material for first and second year graduate courses the core of the exposition consists of chapters on homotopy groups and on spectral sequences there is also material that would interest students of geometric topology homology with local coefficients and obstruction theory and algebraic topology spectra and generalized homology as well as preparation for more advanced topics such as algebraic k theory and the s cobordism theorem a unique feature of the book is the inclusion at the end of each chapter of several projects that require students to present proofs of substantial theorems and to write notes accompanying their explanations working on these projects allows students to grapple with the big picture teaches them how to give mathematical lectures and prepares them for participating in research seminars the book is designed as a textbook for graduate students studying algebraic and geometric topology and homotopy theory it will also be useful for students from other fields such as differential geometry algebraic geometry and homological algebra the exposition in the text is clear special cases are presented over complex general statements

Elderly Care Medicine 2012-07-23 this valuable reference addresses the methods leading to contemporary developments in number theory and coding theory originally presented as lectures at a summer school held at bilkent university ankara turkey

Lecture Notes in Mathematics, 501-1000 1984 an introduction to ricci flow suitable for graduate students and research mathematicians

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~~Lecture Notes in Algebraic Topology~~ 2001 lecture notes on immunology is a core text in

immunology that will appeal to medical students junior doctors other postgraduates and allied health professionals who want a concise introduction to the subject the aim of the book is to integrate basic science with clinical practice the result being a text that will serve as a reference for the practitioner as well as the student this new edition of lecture notes on immunology contains a new chapter on immunity and infection detailed revision of all the existing chapters including new sections on hiv infection and aids and summary boxes at the end of each chapter now for the first time illustrated in colour lecture notes on immunology gives the essential information for a clear understanding of the cells molecules and processes of the immune system and is a must for anyone who needs a crash course in the subject An Index (and Other Useful Information) 1-36 1981 highly commended at the british medical association book awards 2016 immunology lecture notes provides a thorough grounding in basic concepts of immunity covering the core components of the immunology curriculum at medical school it presents a concise overview of the immune system its interactions with pathogens the major areas of immunopathology including immunodeficiency allergy autoimmunity lymphoproliferative diseases and transplantation and their therapy immunology lecture notes includes full colour descriptive illustrations and diagrams throughout supplemented by new molecular graphics and anatomical scans new clinical cases developed as themes throughout the book to illustrate the practical application of immunological principles fully updated self assessment questions with expanded explanation of answers with learning objectives and key points guiding you through the vital concepts immunology lecture notes will help you to address the key disorders of the immune system and use immunological developments in clinical practice

Number Theory and Its Applications 2020-03-06 the notion of a motive is an elusive one like its namesake the motif of cezanne s impressionist method of painting its existence was first suggested by grothendieck in 1964 as the underlying structure behind the myriad cohomology theories in algebraic geometry we now know that there is a triangulated theory of motives discovered by vladimir voevodsky which suffices for the development of a satisfactory motivic cohomology theory however the existence of motives themselves remains conjectural this book provides an account of the triangulated theory of motives its purpose is to introduce motivic cohomology to develop its main properties and finally to relate it to other known invariants of algebraic varieties and rings such as milnor k theory etale cohomology and chow groups the book is divided into lectures grouped in six parts the first part presents the definition of motivic cohomology based upon the notion of presheaves with transfers some elementary comparison theorems are given in this part the theory of etale nisnevich and zariski sheaves with transfers is developed in parts two three and six respectively the theoretical core of the book is the fourth part presenting the triangulated category of motives finally the comparison with higher chow groups is developed in part five the lecture notes format is designed for the book to be read by an advanced graduate student or an expert in a related field the lectures roughly correspond to one hour lectures given by voevodsky during the course he gave at the institute for advanced study in princeton on this subject in 1999 2000 in addition many of the original proofs have been simplified and improved so that this book will also be a useful tool for research mathematicians information for our distributors titles in this series are copublished with the clay mathematics institute cambridge ma

An Index and Other Useful Information 1981 lecture notes clinical pharmacology and therapeutics provides all the necessary information within one short volume to achieve a thorough understanding of how drugs work their interaction with the body in health and disease and the practical aspects of prescribing drugs appropriately in clinical situations presented in an easy to use format this eighth edition builds on the clinical relevance for which the title has become well known and features an up to date review of drug use across all major clinical disciplines together with an overview of contemporary medicines regulation and drug development key features include a section devoted to the practical aspects of prescribing clinical scenarios and accompanying questions to contextualise information end of chapter summary boxes numerous figures and tables which help distill the information for revision purposes whether you need to develop or refresh your knowledge of pharmacology lecture notes clinical pharmacology and therapeutics presents need to know information for all those involved in prescribing

Lecture Notes in Physics, 1-222 1985 the golden jubilee edition of a classic textbook first published in 1965 highly commended at the british medical association book awards 2016 general surgery lecture notes continues to be an invaluable appealing and approachable resource for thousands of medical students and surgical trainees throughout the world this comprehensive guide focuses on the fundamentals of general surgery and systematically

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~~covers all the clinical surgical problems that a student may encounter and about which they~~
need to know fully revised and updated to reflect the rapid changes which are taking place in surgical practice this 50th anniversary edition includes principles of treatment written at student level to aid understanding features full colour illustrations throughout includes electronic access to a range of extra material including case studies images and photographs and biographies includes free access to the wiley e text is a perfect review text for medical students as well as junior surgeons taking the mrcs examination and other postgraduate surgical examinations trusted by generations of medical students the clinical emphasis of general surgery lecture notes makes this an essential purchase for all those wishing to learn more about general surgery

Lecture Notes on Dermatology 1973 highly commended in internal medicine in the 2017 bma medical book awards highly illustrated comprehensive and accessible ophthalmology lecture notes is the ideal reference and revision guide to common eye problems and their diagnosis and management beginning with overviews of anatomy history taking and examination it then covers a range of core ophthalmic conditions including a new chapter on paediatric ophthalmology the content has been thoroughly updated and includes over 200 diagrams and photographs a range of core clinical cases in chapter 20 demonstrating the clinical context of key conditions learning objectives and summary of key points in each chapter ophthalmology lecture notes is perfect for developing knowledge for clinical practice or revision in the run up to examinations and uses a systematic approach to provide medical students and junior doctors with all the tools they need to manage clinical situations it is also useful for optometrists in training helping them develop a sound understanding of clinical ophthalmology

Lectures on the Ricci Flow 2006-10-12 the lecture notes series is ideal for medical students junior doctors and other allied health professionals lecture notes haematology concentrates on providing the required core subject knowledge and has been extensively revised and updated to reflect the considerable advances in the understanding of the molecular biology and pathogenesis of haematological disorders while continuing the tradition of successfully integrating the physiological pathological and clinical aspects of haematology each chapter begins with a list of learning objectives that identifies the key elements that students need to know whilst also taking learning to the next level this new edition includes brief sections on the approaches to investigation and treatment of haematological problems the underlying mechanisms and relationships concerning lymphomas and other neoplastic diseases of the bone marrow and the rapidly changing area of bone marrow transplantation illustrated in full colour throughout with new illustrations and photographs of important normal and abnormal blood cells this eighth edition is a comprehensive guide to haematology and an essential aid for anyone who wants a concise introduction to the subject

Lecture Notes in Control and Computer Science 19?? kaplan medical s usmle step 1 lecture notes 2021 7 book set offers in depth review with a focus on high yield topics in every discipline a comprehensive approach that will help you deepen your understanding while focusing your efforts where they ll count the most used by thousands of medical students each year to succeed on usmle step 1 kaplan s official lecture notes are packed with full color diagrams and clear review the 7 volumes pathology pharmacology physiology biochemistry medical genetics immunology microbiology anatomy and behavioral science social sciences are updated annually by kaplan s all star expert faculty the best review 2 000 pages covering every discipline you ll need on this section of the boards full color diagrams and charts for better comprehension and retention clinical correlations and bridges between disciplines highlighted throughout chapter summary study guides at the end of every chapter for easier review up to date content clinical updates included in all 7 volumes to align with recent changes organized in outline format with high yield summary boxes for efficient study

Lecture Notes on Immunology 1996 emergency medicine lecture notes provides all the necessary information within one short volume for a sound introduction to this core specialty area presented in a user friendly format combining readability with flowcharts and high quality illustrations this fourth edition has been thoroughly revised to reflect recent advances in the field of emergency medicine for this new edition emergency medicine lecture notes features illustrations and flow charts in a two colour presentation throughout more detail on imaging diagnosis and management of a wide range of acute conditions a brand new companion website at lecturenoteseries.com/emergencymed featuring a selection of mcqs to test readers on common pitfalls in emergency medicine not only is this book a great starting point to support initial teaching on the topic but it is easy to dip in and out of for reference or revision at the end of a module rotation or final exams whether you need to develop or refresh your knowledge of emergency medicine emergency medicine lecture notes presents need to know information for all those involved in treating those in an emergency setting

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~~Lecture Notes: Immunology 2016-03-02 in fall 2000 the notre dame logic community hosted~~

greg hjorth rodney g downey zoé chatzidakis and paola d aquino as visiting lecturers each of them presented a month long series of expository lectures at the graduate level the articles in this volume are refinements of these excellent lectures

Lecture Notes on Motivic Cohomology 2006 this volume will introduce the reader to basic topics of corporate finance the notes will provide an integrative model that will help students evaluate projects examine financing alternatives and assess a firm with problems and detailed solutions at the end of each chapter this volume will also greatly benefit financial managers and investors corporate finance is a discipline from the firm s perspective and addresses the concerns of the chief financial officer of the firm additionally investors need to understand why firms make certain decisions so that they better recognize what drives firm value these lecture notes assume no previous knowledge of finance and are written in conversational style that makes the topics more accessible and easy to comprehend and absorb

Lecture Notes in Child and Adolescent Psychiatry 1900 this book designed for advanced graduate students and post graduate researchers introduces lie algebras and some of their applications to the spectroscopy of molecules atoms nuclei and hadrons the book contains many examples that help to elucidate the abstract algebraic definitions it provides a summary of many formulas of practical interest such as the eigenvalues of casimir operators and the dimensions of the representations of all classical lie algebras

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General Surgery, with Wiley E-Text 2016-01-26

Ophthalmology 2016-11-30

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