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Set Theory: An Introduction 結び目理論概説 Homology Theory Game Theory Proof Theory Set Theory: An Introduction 文学理論講義 Literary Theory Introduction to the Theory of Standard Monomials K-Theory 超伝導入門 Beginning Theory Archaeological Theory Political Theory Film Theory Mass Communication Theory Set Theory Rhetorical Theory Media Theory Toposes and Local Set Theories FILM THEORY Fashion Theory Mathematical Intuitionism: Introduction to Proof Theory グラフ理論入門[原書第4版 現代数理統計学 Number Theory 深層学習 Computability Theory: an Introduction Introduction to Set Theory, Third Edition, Revised and Expanded Introduction to Number Theory History Introduction to Group Theory Rによる統計的学習入門 Moral Theory パターン認識と機械学習 圏論入門 Lie Groups Beyond an Introduction An Introduction to the Theory of Real Functions Epistemology An Introduction to Probability Theory

Set Theory: An Introduction *2001-08-28*

by its nature set theory does not depend on any previous mathematical knowl edge hence an individual wanting to read this book can best find out if he is ready to do so by trying to read the first ten or twenty pages of chapter 1 as a textbook the book can serve for a course at the junior or senior level if a course covers only some of the chapters the author hopes that the student will read the rest himself in the next year or two set theory has always been a sub ject which people find pleasant to study at least partly by themselves chapters 1 7 or perhaps 1 8 present the core of the subject chapter 8 is a short easy discussion of the axiom of regularity even a hurried course should try to cover most of this core of which more is said below chapter 9 presents the logic needed for a fully axiomatic set th ory and especially for independence or consistency results chapter 10 gives von neumann s proof of the relative consistency of the regularity axiom and three similar related results von neumann s inner model proof is easy to grasp and yet it prepares one for the famous and more difficult work of godel and cohen which are the main topics of any book or course in set theory at the next level

□□□□□□□ *2000-01-25*

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Homology Theory *1994-01-07*

this introduction to some basic ideas in algebraic topology is devoted to the foundations and applications of homology theory after the essentials of singular homology and some important applications are given successive topics covered include attaching spaces finite cw complexes cohomology products manifolds poincare duality and fixed point theory this second edition includes a chapter on covering spaces and many new exercises

Game Theory *2011-02-14*

a fundamental introduction to modern game theory from a mathematical viewpoint game theory arises in almost every fact of human and inhuman interaction since oftentimes during these communications objectives are opposed or cooperation is viewed as an option from economics and finance to biology and computer science researchers and practitioners are often put in complex decision making scenarios whether they are interacting with each other or working with evolving technology and artificial intelligence acknowledging the role of mathematics in making logical and advantageous decisions game theory an introduction uses modern software applications to create analyze and implement effective decision making models while most books on modern game theory are either too abstract or too applied this book provides a balanced treatment of the subject that is both conceptual and hands on game theory introduces readers to the basic theories behind games and presents real world examples from various fields of study such as economics political science military science finance biological science as well as general game playing a unique feature of this book is the use of maple to find the values and strategies of games and in addition it aids in the implementation of algorithms for the solution or visualization of game concepts maple is also utilized to facilitate a visual learning environment of game theory and acts as the primary tool for the calculation of complex non cooperative and cooperative games important game theory topics are presented within the following five main areas of coverage two person zero sum matrix games nonzero sum games and the reduction to nonlinear programming cooperative games including discussion of both the nucleolus concept and the shapley value bargaining including threat strategies evolutionary stable strategies and population games although some mathematical competence is assumed appendices are provided to act as a refresher of the basic concepts of linear algebra probability and statistics exercises are included at the end of each section along with algorithms for the solution of the games to help readers master the presented information also explicit maple and mathematica commands are included in the book and are available as worksheets via the book s related site the use of this software allows readers to solve many more advanced and interesting games without spending time on the theory of linear and nonlinear programming or performing other complex calculations with extensive examples illustrating game theory s wide range of relevance this classroom tested book is ideal for game theory courses in mathematics engineering operations research computer science and economics at the upper undergraduate level it is also an ideal companion for anyone who is interested in the applications of game theory

Proof Theory *2009-06-10*

although this is an introductory text on proof theory most of its contents is not found in a unified form elsewhere in the literature except at a very advanced level the heart of the book is the ordinal analysis of axiom systems with particular emphasis on that of the impredicative theory of elementary inductive definitions on the natural numbers the constructive consequences of ordinal analysis are sketched out in the epilogue the book provides a self contained treatment assuming no prior knowledge of proof

theory and almost none of logic the author has moreover endeavoured not to use the cabal language of proof theory but only a language familiar to most readers

Set Theory: An Introduction *2001-09-11*

by its nature set theory does not depend on any previous mathematical knowl edge hence an individual wanting to read this book can best find out if he is ready to do so by trying to read the first ten or twenty pages of chapter 1 as a textbook the book can serve for a course at the junior or senior level if a course covers only some of the chapters the author hopes that the student will read the rest himself in the next year or two set theory has always been a sub ject which people find pleasant to study at least partly by themselves chapters 1 7 or perhaps 1 8 present the core of the subject chapter 8 is a short easy discussion of the axiom of regularity even a hurried course should try to cover most of this core of which more is said below chapter 9 presents the logic needed for a fully axiomatic set th ory and especially for independence or consistency results chapter 10 gives von neumann s proof of the relative consistency of the regularity axiom and three similar related results von neumann s inner model proof is easy to grasp and yet it prepares one for the famous and more difficult work of godel and cohen which are the main topics of any book or course in set theory at the next level

□□□□□□ *2014-04*

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Literary Theory *2008*

first published in 1983

Introduction to the Theory of Standard Monomials *2016-08-22*

the book is a reproduction of a course of lectures delivered by the author in 1983 84 which appeared in the brandeis lecture notes series the aim of this course was to give an introduction to the series of papers by concentrating on the case of the full linear group in recent years there has been great progress in standard monomial theory due to the work of peter littelmann the author s lectures reproduced in this book remain an excellent introduction to standard monomial theory standard monomial theory deals with the construction of nice bases of finite dimensional irreducible representations of semi simple algebraic groups or in geometric terms nice bases of coordinate rings of flag varieties and their schubert subvarieties associated with these groups besides its intrinsic interest standard monomial theory has applications to the study of the geometry of schubert varieties standard monomial theory has its origin in the work of hodge giving bases of the coordinate rings of the grassmannian and its schubert subvarieties by standard monomials in its modern form standard monomial theory was developed by the author in a series of papers written in collaboration with v lakshmibai and c musili in the second edition of the book conjectures of a standard monomial theory for a general semi simple simply connected algebraic group due to lakshmibai have been added as an appendix and the bibliography has been revised

K-Theory *2009-11-27*

from the preface k theory was introduced by a grothendieck in his formulation of the riemann roch theorem for each projective algebraic variety grothendieck constructed a group from the category of coherent algebraic sheaves and showed that it had many nice properties atiyah and hirzebruch considered a topological analog defined for any compact space x a group k x constructed from the category of vector bundles on x it is this topological k theory that this book will study topological k theory has become an important tool in topology using k theory adams and atiyah were able to give a simple proof that the only spheres which can be provided with h space structures are s1 s3 and s7 moreover it is possible to derive a substantial part of stable homotopy theory from k theory the purpose of this book is to provide advanced students and mathematicians in other fields with the fundamental material in this subject in addition several applications of the type described above are included in general we have tried to make this book self contained beginning with elementary concepts wherever possible however we assume that the reader is familiar with the basic definitions of homotopy theory homotopy classes of maps and homotopy groups thus this book might be regarded as a fairly self contained introduction to a generalized cohomology theory

□□□□□ *2009-05*

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Beginning Theory *2002-09-07*

in this second edition of beginning theory the variety of approaches theorists and technical language is lucidly and expertly unraveled and explained and allows readers to develop their own ideas once first principles have been grasped expanded and updated from the original edition first published in 1995 peter barry has incorporated all of the recent developments in literary theory adding two new chapters covering the emergent eco criticism and the re emerging narratology

Archaeological Theory 2010-01-19

archaeological theory 2nd edition is the most current and comprehensive introduction to the field available thoroughly revised and updated this engaging text offers students an ideal entry point to the major concepts and ongoing debates in archaeological research new edition of a popular introductory text that explores the increasing diversity of approaches to archaeological theory features more extended coverage of traditional or culture historical archaeology examines theory across the english speaking world and beyond offers greatly expanded coverage of evolutionary theory divided into sociocultural and darwinist approaches includes an expanded glossary bibliography and useful suggestions for further readings

Political Theory *1999*

the new third edition of the highly successful text has been revised and updated throughout to take account of new issues such as identity and difference globalization and multiculturalism the book provides a clear and accessible introduction to political theory and key concepts in political analysis each chapter discusses a cluster of interrelated terms examines how they have been used by different thinkers and in the various political traditions and explores related debates and controversies

Film Theory 2006-09-03

this book offers an accessible account of film theory for the student and the cinemagoer it ranges from the late 1960s to the present a period in which a number of conceptual strands notably politics semiotics and psychoanalysis came together lapsely and westlake chart the construction of this synthesis and its subsequent fragmentation and elucidate the various intellectual currents contributing to it the first part of the book covers the conceptual background of film theory dealing with historical materialism semiotics and psychoanalysis while the second part concentrates on particular topics authorship narrative realism the avant garde and postmodernism this second edition features an extensive retrospective introduction as well as a fully updated and extended bibliography

Mass Communication Theory 1987

introduction to the study of mass communication theory available and received unanimous critical acclaim from scholars a brisk elegantly organized and comprehensive textbook for students at all levels of communication studies from back cover

Set Theory *2013-12-11*

what is a number what is infinity what is continuity what is order answers to these fundamental questions obtained by late nineteenth century mathematicians such as dedekind and cantor gave birth to set theory this textbook presents classical set theory in an intuitive but concrete manner to allow flexibility of topic selection in courses the book is organized into four relatively independent parts with distinct mathematical flavors part i begins with the dedekind peano axioms and ends with the construction of the real numbers the core cantor dedekind theory of cardinals orders and ordinals appears in part ii part iii focuses on the real continuum finally foundational issues and formal axioms are introduced in part iv each part ends with a postscript chapter discussing topics beyond the scope of the main text ranging from philosophical remarks to glimpses into landmark results of modern set theory such as the resolution of lusin s problems on projective sets using determinacy of infinite games and large cardinals separating the metamathematical issues into an optional fourth part at the end makes this textbook suitable for students interested in any field of mathematics not just for those planning to specialize in logic or foundations there is enough material in the text for a year long course at the upper undergraduate level for shorter one semester or one quarter courses a variety of arrangements of topics are possible the book will be a useful resource for both experts working in a relevant or adjacent area and beginners wanting to learn set theory via self study

Rhetorical Theory *2018-03-30*

from the moment we begin to understand the meanings of words and symbols we have used rhetoric it is how we determine perceptions of who we are those around us and the social structure in which we operate rhetorical theory second edition introduces a broad selection of classical and contemporary theoretical approaches to understanding and using rhetoric historical context reveals why rhetorical theories were created while present day examples demonstrate how they relate to the world in which we live borchers and hundley present conceptual topics in a succinct and approachable manner the text is organized topically rather than chronologically so similarities and differences are easily detected in central ideas each chapter is enhanced by the inclusion of theorist biographies applications of theory to practice and internet exercises the second edition expands coverage on mediated rhetoric feminist rhetoric alternative rhetorical theories including afrocentricity and intersectionality cultural and critical rhetoric and postmodern implications of rhetoric

Media Theory *1990-01-01*

this text introduces topos theory a development in category theory that unites important but seemingly diverse notions from algebraic geometry set theory and intuitionistic logic topics include local set theories fundamental properties of toposes sheaves local valued sets and natural and real numbers in local set theories 1988 edition

Toposes and Local Set Theories *2008-01-01*

books that explain and analyse the nature production and consumption of fashion are very fashionable at present fashion is explained in terms of the body or fetish or gender or culture slightly less fashionable it seems are introductory books on the theories of fashion all explanations and analyses of fashion presupposed at least one theory of gender or class for example and all apply some theory to the material they cover but few take the time to explain those theories this introduction to fashion theory surveys and contextualises the ways in which a wide range of disciplines including sociology cultural studies anthropology fashion history gender studies and cultural history have used different theoretical approaches to explain and sometimes to explain away the astonishing variety complexity and beauty of fashion themes covered include individual social and gender identity clothes and the body the erotic consumption and communication this introduction looks at some of the most influential and important theories on fashion bringing to light the presuppositions involved in the things we think and say about fashion

FILM THEORY 2019-02-02

in the area of mathematical logic a great deal of attention is now being devoted to the study of nonclassical logics this book intends to present the most important methods of proof theory in intuitionistic logic and to acquaint the reader with the principal axiomatic theories based on intuitionistic logic

Fashion Theory 2014-03-26

グラフ理論は 今日では計算機科学だけでなく 電気 電子工学 経営工学等の基礎理論として欠くことのできない重要な概念であり 各分野への広汎な応用がなされている 本書は 大変長い間好評を得ている グラフ理論 原書第４版の翻訳で きわめてわかりやすく説明された入門的教科書である 数学的予備知識を仮定せずに簡明に書かれているので 大学初年級学生でも十分読み進むことができる また いままでの版に比べて この第４版では全体を通して加筆訂正がなされており 用語も現在通用しているものに変更されている さらに 多くの演習問題を載せ その一部には解答も付いている 目次 第1章 入門 第2章 定義と例 第3章 道と閉路 第4章 木 第5章 平面性 第6章 グラフの彩色 第7章 有向グラフ 第8章 マッチング 結婚 mengerの定理 第9章 マトロイド理論

Mathematical Intuitionism: Introduction to Proof Theory 1988-12-31

多くの読者から親しまれてきた定評あるテキストの新版 練習問題を増やし解答をつけ学習の便宜を図った 統計検定1級対策にも好適

グラフ理論入門 原書第4版 *2001-10*

この商品はタブレットなど大きいディスプレイを備えた端末で読むことに適しています また 文字だけを拡大することや 文字列のハイライト 検索 辞書の参照 引用などの機能が使用できません いま最も注目されている機械学習手法である深層学習 ディープラーニング を トップ研究者が解説した 基礎から sgd 自己符号化器 cnn rnn ボルツマンマシンまでと 盛りだくさん 軽快な語り口なので 無理なく理解できる

現代数理統計学 *2020-11*

thoroughly revised updated expanded and reorganized to serve as a primary text for mathematics courses introduction to set theory third edition covers the basics relations functions orderings finite countable and uncountable sets and cardinal and ordinal numbers it also provides five additional self contained chapters consolidates the material on real numbers into a single

updated chapter affording flexibility in course design supplies end of section problems with hints of varying degrees of difficulty includes new material on normal forms and goodstein sequences and adds important recent ideas including filters ultrafilters closed unbounded and stationary sets and partitions

Number Theory 1987

a special feature of nagell s well known text is the rather extensive treatment of diophantine equations of second and higher degree a large number of non routine problems are given reviews endorsements this is a very readable introduction to number theory with particular emphasis on diophantine equations and requires only a school knowledge of mathematics the exposition is admirably clear more advanced or recent work is cited as background where relevant t here are welcome novelties gauss s own evaluation of gauss s sums which is still perhaps the most elegant is reproduced apparently for the first time there are 180 examples many of considerable interest some of these being little known mathematical reviews

深層学習 *2015-04-07*

demystifying the subject with clarity and verve history an introduction to theory method and practice familiarizes the reader with the varied spectrum of historical approaches in a balanced comprehensive and engaging manner global in scope and covering a wide range of topics from the ancient and medieval worlds to the twenty first century it explores historical perspectives not only from historiography itself but from related areas such as literature sociology geography and anthropology clearly written accessible and student friendly this second edition is fully updated throughout to include an increased spread of case studies from beyond europe especially from american and imperial histories new chapters on important and growing areas of historical inquiry such as environmental history and digital history expanded sections on political cultural and social history more discussion of non traditional forms of historical representation and knowledge like film fiction and video games accompanied by a new companion website routledge com cw claus containing valuable supporting material for students and instructors such as discussion questions further reading and web links this book is an essential introduction for all students of historical theory and method

Computability Theory: an Introduction *1973*

this book quickly introduces beginners to general group theory and then focuses on three main themes finite group theory including sporadic groups combinatorial and geometric group theory including the bass serre theory of groups acting on trees the theory of train tracks by bestvina and handel for automorphisms of free groups with its many examples exercises and full solutions to selected exercises this text provides a gentle introduction that is ideal for self study and an excellent preparation for applications a distinguished feature of the presentation is that algebraic and geometric techniques are balanced the beautiful theory of train tracks is illustrated by two nontrivial examples presupposing only a basic knowledge of algebra the book is addressed to anyone interested in group theory from advanced undergraduate and graduate students to specialists

Introduction to Set Theory, Third Edition, Revised and Expanded 1999-06-22

ビッグデータの活用に必須の統計的学習を 専門外でも使えるようにrで実践的に学習

Introduction to Number Theory 2021-07-21

moral theory an introduction explores some of the historically most important and currently debated moral theories about the nature of the right and the good including divine command theory relativism natural law theory consequentialism egoism kant s ethics ethics of prima facie duties contractualism virtue ethics and care ethics providing an introduction to moral theory that explains and critically examines the theories of such classical philosophers as aristotle aquinas bentham kant mill and ross this book acquaints students with the work of contemporary moral philosophers each chapter has been revised and updated the third edition includes a new chapter on moral contractualism and an extensively revised chapter on virtue ethics and care ethics additionally the book discusses recent work by moral psychologists making an impact on moral theory

History *2017-04-07*

ベイズ理論に基づく統計的予測技術は 計算アルゴリズムの開発と計算機の性能向上により 近年 急速に進展してきた 本書は このベイズ理論に基づいた統一的な視点から 機械学習とパターン認識の様々な理論や手法を解説した教科書である 下巻では 上巻の基礎的な話題を発展させた様々な手法を扱う まず 予測精度の高さで注目を集めたサポートベクトルマシンと 今や幅広い領域で使われているカーネル法を説明する 次に 高度な確率モデルを表現するベイジアンネットなどのグラフィカルモデルや 潜在変数を扱うemアルゴリズムを紹介する その後 ベイズ理論の適用範囲を広げた変分ベイズ法とmcmc法について触れ 次元削減や時系列の扱いといった話題を詳説する 最後に 複数のモデルを結合するブースティングなどの手法を説明する

Introduction to Group Theory *2008*

関数型プログラミング言語haskellで計算する圏論の入門書 可換図式多数 図式を描くときの心の込め方をていねいに解説

Rによる統計的学習入門 *2018-07*

this book takes the reader from the end of introductory lie group theory to the threshold of infinite dimensional group representations merging algebra and analysis throughout the author uses lie theoretic methods to develop a beautiful theory having wide applications in mathematics and physics the book initially shares insights that make use of actual matrices it later relies on such structural features as properties of root systems

Moral Theory 2022-01-17

a concise classical approach to the theory of real functions set in the topological context of metric spaces newly translated by g h lawden of the univ of sussex and expanded from the earlier polish editions to include remarks on the extension of finitely many additive functions to a measure construction of a continuous non differential function of a general type the banach vitali theorem and stepanov s theorem prerequisites are set theory topology and calculus

パターン認識と機械学習 *2008-07*

a comprehensive introduction to the theory of knowledge

圏論入門 *2020-08*

one of the most distinguished probability theorists in the world rigorously explains the basic probabilistic concepts while fostering an intuitive understanding of random phenomena

Lie Groups Beyond an Introduction *2002-08-21*

An Introduction to the Theory of Real Functions *1988-08-18*

Epistemology *2003-10-09*

An Introduction to Probability Theory 1984-09-28

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