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Galois Theory and Advanced Linear Algebra

Springer Nature *This book discusses major topics in Galois theory and advanced linear algebra, including canonical forms. Divided into four chapters and presenting numerous new theorems, it serves as an easy-to-understand textbook for undergraduate students of advanced linear algebra, and helps students understand other courses, such as Riemannian geometry. The book also discusses key topics including Cayley–Hamilton theorem, Galois groups, Sylvester’s law of inertia, Eisenstein criterion, and solvability by radicals. Readers are assumed to have a grasp of elementary properties of groups, rings, fields, and vector spaces, and familiarity with the elementary properties of positive integers, inner product space of finite dimension and linear transformations is beneficial.*

Principles of Fourier Analysis

CRC Press *Fourier analysis is one of the most useful and widely employed sets of tools for the engineer, the scientist, and the applied mathematician. As such, students and practitioners in these disciplines need a practical and mathematically solid introduction to its principles. They need straightforward verifications of its results and formulas, and they need clear indications of the limitations of those results and formulas. Principles of Fourier Analysis furnishes all this and more. It provides a comprehensive overview of the mathematical theory of Fourier analysis, including the development of Fourier series, "classical" Fourier transforms, generalized Fourier transforms and analysis, and the discrete theory. Much of the author's development is strikingly different from typical presentations. His approach to defining the classical Fourier transform results in a much cleaner, more coherent theory that leads naturally to a starting point for the generalized theory. He also introduces a new generalized theory based on the use of Gaussian test functions that yields an even more general -yet simpler -theory than usually presented.*

Principles of Fourier Analysis stimulates the appreciation and understanding of the fundamental concepts and serves both beginning students who have seen little or no Fourier analysis as well as the more advanced students who need a deeper understanding. Insightful, non-rigorous derivations motivate much of the material, and thought-provoking examples illustrate what can go wrong when formulas are misused. With clear, engaging exposition, readers develop the ability to intelligently handle the more sophisticated mathematics that Fourier analysis ultimately requires.

Student Solutions Manual for Larson's Calculus: An Applied Approach

Cengage Learning Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Mathematical Modeling and Optimization

An Essay for the Design of Computer-Based Modeling Tools

Springer Science & Business Media Computer-based mathematical modeling - the technique of representing and managing models in machine-readable form - is still in its infancy despite the many powerful mathematical software packages already available which can solve astonishingly complex and large models. On the one hand, using mathematical and logical notation, we can formulate models which cannot be solved by any computer in reasonable time - or which cannot even be solved by any method. On the other hand, we can solve certain classes of much larger models than we can practically handle and manipulate without heavy programming. This is especially true in operations research where it is common to solve models with many thousands of variables. Even today, there are no general modeling tools that accompany the whole modeling process from start to finish, that is to say, from model creation to report writing. This book proposes a framework for computer-based modeling. More precisely, it puts forward a modeling language as a kernel representation for mathematical models. It presents a general specification for modeling tools. The book does not expose any solution methods or algorithms which may be useful in solving models, neither is it a treatise on how to build them. No help is intended here for the modeler by giving practical modeling exercises, although several models will be presented in order to illustrate the framework. Nevertheless, a short introduction to the modeling process is given in order to

expound the necessary background for the proposed modeling framework.

Evolution Equations

Long Time Behavior and Control

Cambridge University Press The proceedings of a summer school held in 2015 whose theme was long time behavior and control of evolution equations.

TEXTBOOK OF MATRIX ALGEBRA

PHI Learning Pvt. Ltd. Intended as a text for postgraduate and undergraduate honours students of Statistics, Mathematics, Operations Research as well as students in various branches of Engineering, this student-friendly book gives an indepth analysis of Matrix Algebra and all the major topics related to it. Divided into 12 chapters, the book begins with a discussion on Elements of Matrix Theory and Some Special Matrices. Then it goes on to give a detailed discussion on Scalar Function and Inverse of a Matrix, Rank of a Matrix, Generalized Inverse of a Matrix, and Quadric Forms and Inequalities. The book concludes by giving Some Applications of Algebra of Matrices, Matrices in the Infinite Dimensional Vector Space, and Computational Tracts in Matrices. KEY FEATURES Gives a large number of both solved and unsolved problems of Elementary Matrix. Provides an exhaustive treatment of Generalized Inverse Matrix with many applications in Statistics. Devotes one chapter exclusively to application of Matrices. Provides one full chapter on Matrices in the Infinite Dimensional Vector Space, which will be quite useful for postgraduate students. Gives an Appendix on R Software which will be extremely useful for students of Statistics. Provides Question Bank which will greatly benefit both undergraduate and postgraduate students. This book, which beautifully blends both theory and applications of Matrix Algebra, should prove to be an invaluable text for the students.

V Hotine-Marussi Symposium on Mathematical Geodesy

Matera, Italy June 17–21, 2003

Springer Science & Business Media Just as in the era of great achievements by scientists such as Newton and Gauss, the mathematical theory of geodesy is continuing the tradition of producing exciting theoretical results, but today the advances are due to the great technological push in the era of satellites for earth observations and large computers for calculations. Every four years a symposium on methodological matters documents this ongoing development in many related underlying areas such as estimation theory, stochastic modelling, inverse problems,

and satellite-positioning global-reference systems. This book presents developments in geodesy and related sciences, including applied mathematics, among which are many new results of high intellectual value to help readers stay on top of the latest happenings in the field.

ISC Mathematics - Solutions of O.P. Malhotra (S. Chand) Class 12

Ravinder Singh and sons *Solutions of S.Chand Mathematics 12 (O.P. Malhotra) For Revised Examination 2021*

Molecular Kinetics in Condensed Phases

Theory, Simulation, and Analysis

John Wiley & Sons A guide to the theoretical and computational toolkits for the modern study of molecular kinetics in condensed phases Molecular Kinetics in Condensed Phases: Theory, Simulation and Analysis puts the focus on the theory, algorithms, simulations methods and analysis of molecular kinetics in condensed phases. The authors - noted experts on the topic - offer a detailed and thorough description of modern theories and simulation methods to model molecular events. They highlight the rigorous stochastic modelling of molecular processes and the use of mathematical models to reproduce experimental observations, such as rate coefficients, mean first passage times and transition path times. The book's exploration of simulations examines atomically detailed modelling of molecules in action and the connections of these simulations to theory and experiment. The authors also explore the applications that range from simple intuitive examples of one- and two-dimensional systems to complex solvated macromolecules. This important book: Offers an introduction to the topic that combines theory, simulation and analysis Presents a guide written by authors that are well-known and highly regarded leaders in their fields Contains detailed examples and explanation of how to conduct computer simulations of kinetics. A detailed study of a two-dimensional system and of a solvated peptide are discussed. Discusses modern developments in the field and explains their connection to the more traditional concepts in chemical dynamics Written for students and academic researchers in the fields of chemical kinetics, chemistry, computational statistical mechanics, biophysics and computational biology, Molecular Kinetics in Condensed Phases is the authoritative guide to the theoretical and computational toolkits for the study of molecular kinetics in condensed phases.

Applied Calculus for Scientists and Engineers

A Journey in Dialogues

Jones & Bartlett Learning Applied Calculus For Scientists And Engineers Is An Invitation To An Intellectual Journey Into A Discipline That Has Profoundly Influenced The Development Of Western Civilization For More Than Three Hundred Years. The Author Takes A Functional Pedagogical Approach Through The Use Of A Dialogue-Based Writing Style That Is Uniquely Suited To Make Transparent The Essential Problem-Solving Strategies. As The Text Follows Simplicio And Sophie In Their Struggle To Understand The Teacher's Explanations, Students Will Find That Many Of Their Own Difficulties Are Adequately Addressed And Elegantly Resolved. The Text Is Centered On The Idea That Good Teaching Must Bring Knowledge To Life. True To This Premise, The Author Has Taken Great Care To Present All Mathematical Subjects Within The Context Of Stimulating Applications That Cover A Wide Range Of Topics In Science And Engineering. Also Included Are Engaging Discussions Of The Historical And Philosophical Background That Gave The Discipline Of Calculus Its Present Shape. Indeed, It Is The Central Focus On Applications Combined With A Commitment To Very High Standards Of Expository Writing That Sets This Book Apart From The Competition.

Nonlinear Programming

SIAM This reprint of the 1969 book of the same name is a concise, rigorous, yet accessible, account of the fundamentals of constrained optimization theory. Many problems arising in diverse fields such as machine learning, medicine, chemical engineering, structural design, and airline scheduling can be reduced to a constrained optimization problem. This book provides readers with the fundamentals needed to study and solve such problems. Beginning with a chapter on linear inequalities and theorems of the alternative, basics of convex sets and separation theorems are then derived based on these theorems. This is followed by a chapter on convex functions that includes theorems of the alternative for such functions. These results are used in obtaining the saddlepoint optimality conditions of nonlinear programming without differentiability assumptions. Properties of differentiable convex functions are derived and then used in two key chapters of the book, one on optimality conditions for differentiable nonlinear programs and one on duality in nonlinear programming. Generalizations of convex functions to pseudoconvex and quasiconvex functions are given and then used to obtain generalized optimality conditions and duality results in the presence of nonlinear equality constraints. The book has four useful self-contained appendices on vectors and matrices, topological properties of n -dimensional real space, continuity and minimization, and differentiable functions.

Numerical Methods for Scientific Computing

The Definitive Manual for Math Geeks

Equal Share Press *A comprehensive guide to the theory, intuition, and application of numerical methods in linear algebra, analysis, and differential equations. With extensive commentary and code for three essential scientific computing languages: Julia, Python, and Matlab.*

Introductory Lectures on Rings and Modules

Cambridge University Press *A first-year graduate text or reference for advanced undergraduates on noncommutative aspects of rings and modules.*

Abstracts of the Papers Printed in the Philosophical Transactions of the Royal Society of London

Matrix Algebra: Exercises and Solutions

Springer Science & Business Media *This book contains over 300 exercises and solutions that together cover a wide variety of topics in matrix algebra. They can be used for independent study or in creating a challenging and stimulating environment that encourages active engagement in the learning process. The requisite background is some previous exposure to matrix algebra of the kind obtained in a first course. The exercises are those from an earlier book by the same author entitled *Matrix Algebra From a Statistician's Perspective*. They have been restated (as necessary) to stand alone, and the book includes extensive and detailed summaries of all relevant terminology and notation. The coverage includes topics of special interest and relevance in statistics and related disciplines, as well as standard topics. The overlap with exercises available from other sources is relatively small. This collection of exercises and their solutions will be a useful reference for*

students and researchers in matrix algebra. It will be of interest to mathematicians and statisticians.

Metal Machining Theory and Applications

Butterworth-Heinemann This text provides an overview of the theory and application of metal machining for advanced students. It discusses the theory and practice of machining and looks in detail at the underlying mechanics and tool damage.

Matrix Analysis for Statistics

John Wiley & Sons An up-to-date version of the complete, self-contained introduction to matrix analysis theory and practice Providing accessible and in-depth coverage of the most common matrix methods now used in statistical applications, *Matrix Analysis for Statistics, Third Edition* features an easy-to-follow theorem/proof format. Featuring smooth transitions between topical coverage, the author carefully justifies the step-by-step process of the most common matrix methods now used in statistical applications, including eigenvalues and eigenvectors; the Moore-Penrose inverse; matrix differentiation; and the distribution of quadratic forms. An ideal introduction to matrix analysis theory and practice, *Matrix Analysis for Statistics, Third Edition* features:

- New chapter or section coverage on inequalities, oblique projections, and antieigenvalues and antieigenvectors
- Additional problems and chapter-end practice exercises at the end of each chapter
- Extensive examples that are familiar and easy to understand
- Self-contained chapters for flexibility in topic choice

Applications of matrix methods in least squares regression and the analyses of mean vectors and covariance matrices *Matrix Analysis for Statistics, Third Edition* is an ideal textbook for upper-undergraduate and graduate-level courses on matrix methods, multivariate analysis, and linear models. The book is also an excellent reference for research professionals in applied statistics. James R. Schott, PhD, is Professor in the Department of Statistics at the University of Central Florida. He has published numerous journal articles in the area of multivariate analysis. Dr. Schott's research interests include multivariate analysis, analysis of covariance and correlation matrices, and dimensionality reduction techniques.

Mathematical Physics, 8e

S. Chand Publishing *Mathematical Physics* has been written to provide the readers a clear understanding of the mathematical concepts which are an important part of modern physics. The textbook contains 49 chapters on all major topics in an exhaustive endeavour to cover syllabuses of all major universities. Some of the important topics covered in these chapters are Vectors, Integration, Beta and Gamma functions, Differential Equations, Complex Numbers, Matrix and Determinants, and the Laplace transforms.

The Geometric Hopf Invariant and Surgery Theory

Springer Written by leading experts in the field, this monograph provides homotopy theoretic foundations for surgery theory on higher-dimensional manifolds. Presenting classical ideas in a modern framework, the authors carefully highlight how their results relate to (and generalize) existing results in the literature. The central result of the book expresses algebraic surgery theory in terms of the geometric Hopf invariant, a construction in stable homotopy theory which captures the double points of immersions. Many illustrative examples and applications of the abstract results are included in the book, making it of wide interest to topologists. Serving as a valuable reference, this work is aimed at graduate students and researchers interested in understanding how the algebraic and geometric topology fit together in the surgery theory of manifolds. It is the only book providing such a wide-ranging historical approach to the Hopf invariant, double points and surgery theory, with many results old and new.

Relativity, Astrophysics and Cosmology

Proceedings of the Summer School Held, 14–26 August, 1972 at the Banff Centre, Banff, Alberta

Springer Science & Business Media The 1972 Banff lectures attempted a systematic exposition of the ideas underlying recent developments in general relativity and its astronomical applications at a level accessible and useful to graduate students having some previous acquaintance with the subject. To our regret, it was not possible to include any printed record of Peebles' beautiful lectures on observational cosmology or of the many stimulating seminars on special topics contributed by the participants. What remains is nevertheless a reasonably self-contained and compact introduction to Einstein's theory in its modern incarnation, and we hope it will be found useful by the many physicists, astronomers, and mathematicians who wish to update and deepen their understanding of the theory. On behalf of the organizing committee, I should like to express appreciation to a number of people whose help was crucial to the success of the enterprise: to Jan van Kranendonk, who initiated the idea of a Banff summer school on general relativity; to him and to David Rowe and Don Betts for inspiration and moral support; to our indefatigable secretaries Olwyn Buckland and Leslie Hughes; and to Garry Nash, Richard Sigal, Tim Spanos, and

Gordon Wilson who helped in a variety of ways to keep the wheels running. How much we owe to the splendid cooperative effort of the lecturers will be clear to any reader of the following pages.

Bayesian Analysis for the Social Sciences

John Wiley & Sons Bayesian methods are increasingly being used in the social sciences, as the problems encountered lend themselves so naturally to the subjective qualities of Bayesian methodology. This book provides an accessible introduction to Bayesian methods, tailored specifically for social science students. It contains lots of real examples from political science, psychology, sociology, and economics, exercises in all chapters, and detailed descriptions of all the key concepts, without assuming any background in statistics beyond a first course. It features examples of how to implement the methods using WinBUGS – the most-widely used Bayesian analysis software in the world – and R – an open-source statistical software. The book is supported by a Website featuring WinBUGS and R code, and data sets.

Readings in Natural Language Processing

Morgan Kaufmann Pub

Linear and Nonlinear Functional Analysis with Applications

SIAM This single-volume textbook covers the fundamentals of linear and nonlinear functional analysis, illustrating most of the basic theorems with numerous applications to linear and nonlinear partial differential equations and to selected topics from numerical analysis and optimization theory. This book has pedagogical appeal because it features self-contained and complete proofs of most of the theorems, some of which are not always easy to locate in the literature or are difficult to reconstitute. It also offers 401 problems and 52 figures, plus historical notes and many original references that provide an idea of the genesis of the important results, and it covers most of the core topics from functional analysis.

Self-Help to ISC Understanding

Mathematics (Solutions of M.L. Aggarwal) - 11

Ravinder Singh and sons *Solutions of M.L. Aggarwal ISC Understanding Mathematics I.S.C. Understanding Mathematics*

Mathematics for Economics and Finance

Routledge *The aim of this book is to bring students of economics and finance who have only an introductory background in mathematics up to a quite advanced level in the subject, thus preparing them for the core mathematical demands of econometrics, economic theory, quantitative finance and mathematical economics, which they are likely to encounter in their final-year courses and beyond. The level of the book will also be useful for those embarking on the first year of their graduate studies in Business, Economics or Finance. The book also serves as an introduction to quantitative economics and finance for mathematics students at undergraduate level and above. In recent years, mathematics graduates have been increasingly expected to have skills in practical subjects such as economics and finance, just as economics graduates have been expected to have an increasingly strong grounding in mathematics. The authors avoid the pitfalls of many texts that become too theoretical. The use of mathematical methods in the real world is never lost sight of and quantitative analysis is brought to bear on a variety of topics including foreign exchange rates and other macro level issues.*

Codes on Algebraic Curves

Springer Science & Business Media *This is a self-contained introduction to algebraic curves over finite fields and geometric Goppa codes. There are four main divisions in the book. The first is a brief exposition of basic concepts and facts of the theory of error-correcting codes (Part I). The second is a complete presentation of the theory of algebraic curves, especially the curves defined over finite fields (Part II). The third is a detailed description of the theory of classical modular curves and their reduction modulo a prime number (Part III). The fourth (and basic) is the construction of geometric Goppa codes and the production of asymptotically good linear codes coming from algebraic curves over finite fields (Part IV). The theory of geometric Goppa codes is a fascinating topic where two extremes meet: the highly abstract and deep theory of algebraic (specifically modular) curves over finite fields and the very concrete problems in the engineering of information transmission. At the present time there are two essentially different ways to produce asymptotically good codes coming from algebraic curves over a finite field with an extremely large number of rational points. The first way, developed by M. A. Tsfasman, S. G. Vladut and Th. Zink [210], is rather difficult and assumes a serious acquaintance with the*

theory of modular curves and their reduction modulo a prime number. The second way, proposed recently by A.

Computational Fluid Dynamics for Engineers and Scientists

Springer This book offers a practical, application-oriented introduction to computational fluid dynamics (CFD), with a focus on the concepts and principles encountered when using CFD in industry. Presuming no more knowledge than college-level understanding of the core subjects, the book puts together all the necessary topics to give the reader a comprehensive introduction to CFD. It includes discussion of the derivation of equations, grid generation and solution algorithms for compressible, incompressible and hypersonic flows. The final two chapters of the book are intended for the more advanced user. In the penultimate chapter, the special difficulties that arise while solving practical problems are addressed. Distinction is made between complications arising out of geometrical complexity and those arising out of the complexity of the physics (and chemistry) of the problem. The last chapter contains a brief discussion of what can be considered as the Holy Grail of CFD, namely, finding the optimal design of a fluid flow component. A number of problems are given at the end of each chapter to reinforce the concepts and ideas discussed in that chapter. CFD has come of age and is widely used in industry as well as in academia as an analytical tool to investigate a wide range of fluid flow problems. This book is written for two groups: for those students who are encountering CFD for the first time in the form of a taught lecture course, and for those practising engineers and scientists who are already using CFD as an analysis tool in their professions but would like to deepen and broaden their understanding of the subject.

Electromagnetic Waves

Propagation in Complex Matter

BoD – Books on Demand This volume is based on the contributions of several authors in electromagnetic waves propagations. Several issues are considered. The contents of most of the chapters are highlighting non classic presentation of wave propagation and interaction with matters. This volume bridges the gap between physics and engineering in these issues. Each chapter keeps the author notation that the reader should be aware of as he reads from chapter to the other.

Risk Modeling, Assessment, and

Management

John Wiley & Sons Presents systems-based theory, methodology, and applications in risk modeling, assessment, and management This book examines risk analysis, focusing on quantifying risk and constructing probabilities for real-world decision-making, including engineering, design, technology, institutions, organizations, and policy. The author presents fundamental concepts (hierarchical holographic modeling; state space; decision analysis; multi-objective trade-off analysis) as well as advanced material (extreme events and the partitioned multi-objective risk method; multi-objective decision trees; multi-objective risk impact analysis method; guiding principles in risk analysis); avoids higher mathematics whenever possible; and reinforces the material with examples and case studies. The book will be used in systems engineering, enterprise risk management, engineering management, industrial engineering, civil engineering, and operations research. The fourth edition of Risk Modeling, Assessment, and Management features: Expanded chapters on systems-based guiding principles for risk modeling, planning, assessment, management, and communication; modeling interdependent and interconnected complex systems of systems with phantom system models; and hierarchical holographic modeling An expanded appendix including a Bayesian analysis for the prediction of chemical carcinogenicity, and the Farmer's Dilemma formulated and solved using a deterministic linear model Updated case studies including a new case study on sequential Pareto-optimal decisions for emergent complex systems of systems A new companion website with over 200 solved exercises that feature risk analysis theories, methodologies, and application Risk Modeling, Assessment, and Management, Fourth Edition, is written for both undergraduate and graduate students in systems engineering and systems management courses. The text also serves as a resource for academic, industry, and government professionals in the fields of homeland and cyber security, healthcare, physical infrastructure systems, engineering, business, and more.

Numerical Analysis of Electromagnetic Fields

Springer Science & Business Media Numerical methods for solving boundary value problems have developed rapidly. Knowledge of these methods is important both for engineers and scientists. There are many books published that deal with various approximate methods such as the finite element method, the boundary element method and so on. However, there is no textbook that includes all of these methods. This book is intended to fill this gap. The book is designed to be suitable for graduate students in engineering science, for senior undergraduate students as well as for scientists and engineers who are interested in electromagnetic fields. Objective Numerical calculation is the combination of mathematical methods and field theory. A great number of mathematical concepts, principles and techniques are discussed and many computational techniques are considered in dealing with practical

problems. The purpose of this book is to provide students with a solid background in numerical analysis of the field problems. The book emphasizes the basic theories and universal principles of different numerical methods and describes why and how different methods work. Readers will then understand any methods which have not been introduced and will be able to develop their own new methods. Organization Many of the most important numerical methods are covered in this book. All of these are discussed and compared with each other so that the reader has a clear picture of their particular advantage, disadvantage and the relation between each of them. The book is divided into four parts and twelve chapters.

Analytical Thermodynamics

Springer Nature

Ferroelectric Liquid Crystals

CRC Press

Numbers, Sequences and Series

Butterworth-Heinemann *Concerned with the logical foundations of number systems from integers to complex numbers.*

An Atlas of Functions

with Equator, the Atlas Function Calculator

Springer Science & Business Media *This book comprehensively covers several hundred functions or function families. In chapters that progress by degree of complexity, it starts with simple, integer-valued functions then moves on to polynomials, Bessel, hypergeometric and hundreds more.*

Mathematics for Natural Scientists

II

Advanced Methods

Springer *This book covers the advanced mathematical techniques useful for physics and engineering students, presented in a form accessible to physics students, avoiding precise mathematical jargon and laborious proofs. Instead, all proofs are given in a simplified form that is clear and convincing for a physicist. Examples,*

where appropriate, are given from physics contexts. Both solved and unsolved problems are provided in each chapter. *Mathematics for Natural Scientists II: Advanced Methods* is the second of two volumes. It follows the first volume on *Fundamentals and Basics*.

Handbook Series of Electronics & Communication Engineering

Arihant Publications India limited *Scope of science and technology is expanding at an exponential rate and so is the need of skilled professionals i.e., Engineers. To stand out of the crowd amidst rising competition, many of the engineering graduates aim to crack GATE, IES and PSUs and pursue various post graduate Programmes. Handbook series as its name suggests is a set of Best-selling Multi-Purpose Quick Revision resource books, those are devised with anytime, anywhere approach. It's a compact, portable revision aid like none other. It contains almost all useful Formulae, Equations, Terms, Definitions and many more important aspects of these subjects. Electronics and Communication Engineering Handbook has been designed for aspirants of GATE, IES, PSUs and Other Competitive Exams. Each topic is summarized in the form of key points and notes for everyday work, problem solving or exam revision, in a unique format that displays concepts clearly. The book also displays formulae and circuit diagrams clearly, places them in context and crisply identities and describes all the variables involved. Diode, Transistor, Analog Electronics, Integrated Circuits, Industrial Device, Signals and systems, Communication Systems, Network Theory, Control Systems, Electromagnetic Field Theory, Antenna and Wave Propagation, Digital Electronics, Microprocessor, Material Science, Electronics Measurement and Instrumentation, Microwave Engineering*

Reflection Groups and Invariant Theory

Springer Science & Business Media *Reflection groups and invariant theory is a branch of mathematics that lies at the intersection between geometry and algebra. The book contains a deep and elegant theory, evolved from various graduate courses given by the author over the past 10 years.*

Kaqchikel Chronicles

The Definitive Edition

University of Texas Press *The collection of documents known as the Kaqchikel Chronicles consists of rare highland Maya texts, which trace Kaqchikel Maya history from their legendary departure from Tollan/Tula through their migrations, wars, the Spanish invasion, and the first century of Spanish colonial rule. The texts represent a*

variety of genres, including formal narrative, continuous year-count annals, contribution records, genealogies, and land disputes. While the Kaqchikel Chronicles have been known to scholars for many years, this volume is the first and only translation of the texts in their entirety. The book includes two collections of documents, one known as the Annals of the Kaqchikels and the other as the Xpantzay Cartulary. The translation has been prepared by leading Mesoamericanists in collaboration with Kaqchikel-speaking linguistic scholars. It features interlinear glossing, which allows readers to follow the translators in the process of rendering colonial Kaqchikel into modern English. Extensive footnoting within the text restores the depth and texture of cultural context to the Chronicles. To put the translations in context, Judith Maxwell and Robert Hill have written a full scholarly introduction that provides the first modern linguistic discussion of the phonological, morphological, syntactic, and pragmatic structure of sixteenth-century Kaqchikel. The translators also tell a lively story of how these texts, which derive from pre-contact indigenous pictographic and cartographic histories, came to be converted into their present form.

Oswaal ISC Question Bank Class 12 Physics, Chemistry, Mathematics, English Paper-1 & 2 (Set of 5 Books) (For 2023 Exam)

Oswaal Books and Learning Private Limited This product covers the following: Strictly as per the Full syllabus for Board 2022-23 Exams Includes Questions of the both - Objective & Subjective Types Questions Chapterwise and Topicwise Revision Notes for in-depth study Modified & Empowered Mind Maps & Mnemonics for quick learning Concept videos for blended learning Previous Years' Board Examination Questions and Marking scheme Answers with detailed explanation to facilitate exam-oriented preparation. Examiners comments & Answering Tips to aid in exam preparation. Includes Topics found Difficult & Suggestions for students. Includes Academically important Questions (AI) Dynamic QR code to keep the students updated for 2023 Exam paper or any further ISC notifications/circulars

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scheme Answers with detailed explanation to facilitate exam-oriented preparation. • Examiners comments & Answering Tips to aid in exam preparation. • Includes Topics found Difficult & Suggestions for students. • Includes Academically important Questions (AI) • Dynamic QR code to keep the students updated for 2023 Exam paper or any further ISC notifications/circulars