

お知らせ

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添付ファイルにてお送りいたします
詳細 Page 1

Yurinsha Book News

Collected Works,

**Vol. 19 - No. 5: Bass, H. /Lam, T. (eds.):
Collected Papers of John Milnor, V:
Algebra**

449-066

In addition to his seminal work in topology, John Milnor is also an accomplished algebraist, producing a spectacular agenda-setting body of work related to algebraic K-theory and quadratic forms during the five year period 1965-1970.

These papers, together with other (some of them previously unpublished) works in algebra are assembled here in this fifth volume of Milnor's Collected Papers. They constitute not only an important historical archive, but also, thanks to the clarity and elegance of Milnor's mathematical exposition, a valuable resource for work in the fields treated.

In addition, Milnor's papers are complemented by detailed surveys on the current state of the field in two areas. One is on the congruence subgroup problem, by Gopal Prasad and Andrei Rapinchuk. The other is on algebraic K-theory & quadratic forms, by Alexander Merkurjev.

Jan. 2011

408 pp.

9780821848760

11,390.

Vol. 19 - No. 4: McCleary, J. (ed.):

Collected Papers of John Milnor, V: Homotopy, Homology and Manifolds

Nov. 2009

357 pp.

9780821844755 10,110.

A. M. S.

<http://www.yurinsha.com>

ホームページは毎月25日更新予定です

No. 449

Nov. 2010

敬理科学

友 隣 社

洋書専門

目 次

| | |
|---------------------------------|--------|
| 新刊特集 | 1 - 10 |
| 1. 一般・リファレンス | 11 |
| 2. 数理論理学・数学基礎論 | 16 |
| 3. 代数学 | 17 |
| 4. 解析・函数解析学 | 24 |
| 5. 幾何・位相幾何学 | 32 |
| 6. 統計学・確率論 | 36 |
| 7. 応用数学 | 40 |
| 8. 計算機科学 | 43 |
| 9. 数理解物理・理論物理学 | 44 |
| M.S.J./Springer/World Sci. | 48 |

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年末年始の営業日のお知らせ

年内は12月28日の昼まで営業いたします

12月29日(水)より1月4日(火)まで

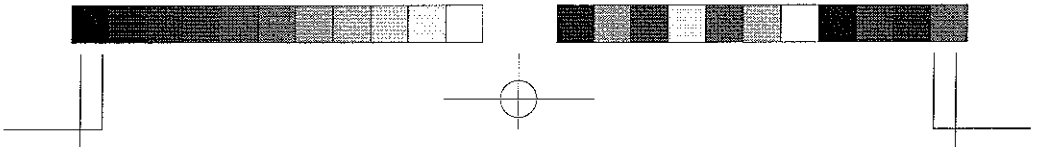
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年始は1月5日(水)から通常通り営業いたします

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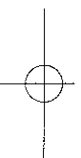


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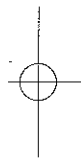
お客様各位

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皆様のご利用、
ご注文をお待ち申し上げます。

(株) 友 隣 社

Lagarias, J. (ed.):

449-025

The Ultimate Challenge: The $3x+1$ Problem

The book begins with two introductory papers, one giving an overview and current status, and the second giving history and basic results on the problem. These are followed by three survey papers on the problem, relating it to number theory and dynamical systems, to Markov chains and ergodic theory, and to logic and the theory of computation.

The next paper presents results on probabilistic models for behavior of the iteration. This is followed by a paper giving the latest computational results on the problem, which verify its truth for $x < 5.4 \cdot 10^{18}$.

The book also reprints six early papers on the problem and related questions, by L. Collatz, J. H. Conway, H. S. M. Coxeter, C. J. Everett, and R. K. Guy, each with editorial commentary.

The book concludes with an annotated bibliography of work on the problem up to the year 2000.

Dec. 2010

348 pp.

9780821849408

7,550.

Student Mathematical Library,

Vol. 56: Garibaldi, J. / Iosevich, A. / Senger, S.:

449-015

The Erdos Distance Problem

The Erdos problem asks, What is the smallest possible number of distinct distances between points of a large finite subset of the Euclidean space in dimensions two and higher.

The main goal of this book is to introduce the reader to the techniques, ideas, and consequences related to the Erdos problem.

The authors introduce these concepts in a concrete and elementary way that allows a wide audience—from motivated high school students interested in mathematics to graduate students specializing in combinatorics and geometry—to absorb the content and appreciate its far reaching implications.

Jan. 2011

161 pp.

9780821852811

3,710.

Clay Mathematics Proceedings,

Vol. 11: Blanchard, E. / Ellwood, D. / Khalkhali, M. /

Marcolli, M. / Moscovici, H. / Popa, S. (eds.):

Quanta of Maths

449-069

The work of Alain Connes has cut a wide swath across several areas of mathematics and physics. Reflecting its broad spectrum and profound impact on the contemporary mathematical landscape, this collection of articles covers a wealth of topics at the forefront of research in operator algebras, analysis, noncommutative geometry, topology, number theory and physics.

Specific themes covered by the articles are as follows: * entropy in operator algebras, regular C^* -algebras of integral domains, properly infinite C^* -algebras, representations of free groups and 1-cohomology, Leibniz seminorms and quantum metric spaces; * von Neumann algebras, fundamental Group of II_1 factors, subfactors and planar algebras; * Baum-Connes conjecture and property T, equivariant K-homology, Hermitian K-theory; * cyclic cohomology, local index formula and twisted spectral triples, tangent groupoid and the index theorem; * noncommutative geometry and space-time, spectral action principle, quantum gravity, noncommutative ADHM and instantons, non-compact spectral triples of finite volume, noncommutative coordinate algebras;

Dec. 2010

675 pp.

9780821852033

16,510.

A. M. S.

Graduate Studies in Mathematics,

Vol. 117: Tao, T.:

449-038

**An Epsilon of Room, I: Real Analysis:
pages from year three of a mathematical blog**

The posts from the third year are being published in two volumes.
The present volume consists of a second course in real analysis, together with related material from the blog.

The real analysis course assumes some familiarity with general measure theory, as well as fundamental notions from undergraduate analysis. The text then covers more advanced topics in measure theory, notably the Lebesgue-Radon-Nikodym theorem and the Riesz representation theorem, topics in functional analysis, such as Hilbert spaces and Banach spaces, and the study of spaces of distributions and key function spaces, including Lebesgue's L_p spaces and Sobolev spaces.

Dec. 2010

333 pp.

9780821852781

7,940.

Tao, T.:

An Epsilon of Room, II:

449-039

pages from year three of a mathematical blog

This second volume contains a broad selection of mathematical expositions and self-contained technical notes in many areas of mathematics, such as logic, mathematical physics, combinatorics, number theory, statistics, theoretical computer science, and group theory.

Tao has an extraordinary ability to explain deep results to his audience, which has made his blog quite popular. Some examples of this facility in the present book are the tale of two students and a multiple-choice exam being used to explain the $P = NP$ conjecture and a discussion of "no self-defeating object" arguments that starts from a schoolyard number game and ends with results in logic, game theory, and theoretical physics.

Jan. 2011

252 pp.

9780821852804

5,380.

CRM Monographs Series,

Vol. 29: Aguiar, M. /Mahajan, S.:

449-047

Monoidal Functors, Species and Hopf Algebras

Part I belongs to the realm of category theory.

It reviews some of the foundational work of Benabou, Eilenberg, Kelly and Mac Lane on monoidal categories and of Joyal and Street on braided monoidal categories, and proceeds to study higher monoidal categories and higher monoidal functors.

Special attention is devoted to the notion of a bilax monoidal functor which plays a central role in this work.

Combinatorics and geometry are the theme of Part II.

Joyal's species constitute a good framework for the study of algebraic structures associated to combinatorial objects. This part discusses the category of species focusing particularly on the Hopf monoids therein. The notion of a Hopf monoid in species parallels that of a Hopf algebra and reflects the manner in which combinatorial structures compose and decompose.

Part III is of an algebraic nature and shows how ideas in Parts I and II lead to a unified approach to Hopf algebras.

The main step is the construction of Fock functors from species to graded vector spaces.

Nov. 2010

784 pp.

9780821847763

21,630.

A. M. S.

Page 3

*Contemporary Mathematics,***Vol. 532: Kolyada, S. /Manin, Y. /** 449-095**Moller, M. /Moree, P. /Ward, T. (eds.):****Dynamical Numbers:****Interplay Between Dynamical Systems and Number Theory**

This volume contains papers from the special program and int'l conference on Dynamical Numbers which were held at the Max-Planck Institute in Bonn, Germany in 2009.

These papers reflect the extraordinary range and depth of the interactions between ergodic theory and dynamical systems and number theory.

Topics covered in the book include stationary measures, systems of enumeration, geometrical methods, spectral methods, and algebraic dynamical systems.

Dec. 2010

242 pp.

9780821849583

10,110.

Vol. 531: Brualdi, R. /Hedayat, S. /Kharaghani, H. / 449-073**Khosrovshahi, G. /Shahriari, S. (eds.):****Combinatorics and Graphs**

This volume contains a collection of papers presented at the int'l conference IPM 20--Combinatorics 2009, which was held at the Institute for Research in Fundamental Sciences in Tehran, Iran, May 15-21, 2009.

The conference celebrated IPM's 20th anniversary and was dedicated to Reza Khosrovshahi, one of the founders of IPM and the director of its School of Mathematics from 1996 to 2007, on the occasion of his 70th birthday.

The conference attracted an international group of distinguished researchers from many different parts of combinatorics and graph theory, including permutations, designs, graph minors, graph coloring, graph eigenvalues, distance regular graphs and association schemes, hypergraphs, and arrangements.

Dec. 2010

264 pp.

9780821848654

11,390.

Vol. 528: Farina, A. /Valdinoci, E. (eds.): 449-133**Symmetry for Elliptic PDEs**

Motivated by the classical rigidity properties of the minimal surfaces, De Giorgi proposed the study of the one-dimensional symmetry of the monotone solutions of a semilinear, elliptic partial differential equation. Impressive advances have recently been made in this field, though many problems still remain open.

Several generalizations to more complicated operators have attracted the attention of pure and applied mathematicians, both for their important theoretical problems and for their relation, among others, with the gradient theory of phase transitions and the dynamical systems.

Nov. 2010

137 pp.

9780821848043

7,670.

Vol. 527: Castano-Bernard, R. /Soibelman, Y. /Zharkov, I. (eds.):**Mirror Symmetry and Tropical Geometry**

This volume contains contributions from the NSF-CBMS Conference on Tropical Geometry and Mirror Symmetry, which was held 2008 at Kansas State University in Manhattan, Kansas.

449-176

It gives an excellent picture of numerous connections of mirror symmetry with other areas of mathematics (especially with algebraic and symplectic geometry) as well as with other areas of mathematical physics.

Nov. 2010

168 pp.

9780821848845

8,970.

A. M. S.

新刊特集

New Mathematical Monographs,

Vol. 18: Downarowicz, T.:

449-129

Entropy in Dynamical Systems

This comprehensive text on entropy covers three major types of dynamics: measure preserving transformations; continuous maps on compact spaces; and operators on function spaces.

Part I contains proofs of the Shannon-McMillan-Breiman Theorem, the Ornstein-Weiss Return Time Theorem, the Krieger Generator Theorem and, among the newest developments, the ergodic law of series.

In Part II, after an expanded exposition of classical topological entropy, the book addresses Symbolic Extension Entropy.

It offers deep insight into the theory of entropy structure and explains the role of zero-dimensional dynamics as a bridge between measurable and topological dynamics.

Part III explains how both measure-theoretic and topological entropy can be extended to operators on relevant function spaces.

May 2011

392 pp.

9780521888851

9,770.

London Mathematical Society Student Texts,

449-092/093

Vol. 77: Klopsch, B. /Nikolov, N. /Voll, C.:

Lectures on Profinite Topics in Group Theory

Each chapter illustrates connections between infinite group theory, number theory and Lie theory.

The first explains how methods from linear algebraic groups can be utilised to study the finite images of linear groups.

The second introduces the theory of compact p-adic analytic groups.

The final chapter provides an overview of zeta functions associated to groups and rings.

Derived from an LMS/EPSC Short Course for graduate students, this book provides a concise introduction to a very active research area and assumes less prior knowledge than existing monographs or original research articles.

Apr. 2011

168 pp.

9781107005297 /9780521183017

13,800./4,940. (Paper ed.)

Cambridge Studies in Advanced Mathematics,

Vol. 130: Goldfeld, D. /Hundley, J.:

449-083

Automorphic Representations and

L-Functions for the General Linear Group, Vol. 2

The book includes concrete examples of global and local representations of $GL(n)$, and presents their associated L-functions.

In Volume 1, the theory is developed from first principles for $GL(1)$, then carefully extended to $GL(2)$ with complete detailed proofs of key theorems.

Several proofs are presented for the first time, including

Jacquet's simple and elegant proof of the tensor product theorem.

In Volume 2, the higher rank situation of $GL(n)$ is given a detailed treatment.

Containing numerous exercises, this book will motivate students and researchers to begin working in this fertile field of research.

May 2011

220 pp.

9781107007994

7,470.

Vol. 129: Goldfeld, D. /Hundley, J.:

449-084

Automorphic Representation

and L-Functions for the General Linear Group, Vol. 1.

Apr. 2011

552 pp.

9780521474238

9,770.

Cambridge

Page 5

Reviews in Mathematics and Mathematical Physics

Alexandrov, V.:

449-110

**Inverse Function theorems
and their Applications to the Theory of Polyhedra**

This volume reviews how the implicit and inverse function theorems operate in polyhedron theory, and how they are used to deduce classical and new theorems on polyhedra, for example, the existence, uniqueness and rigidity of a convex polyhedron with a given development, construction of flexible polyhedra; existence and uniqueness of a convex polyhedron with given areas and directions faces; generalization of theorems for nonconvex polyhedra.

Dec. 2010

120 pp.

9781904868866

6,090.

Zotev, D.:

449-200

Topology of Integrable Systems

The topological theory of integrable Hamiltonian systems was created and developed by A.T.Fomenko and his group.

This review briefly describes the theory on a level of strictness sufficient for self-dependent applications. Some new results are presented, illustrating the theses of the theory and also a method of A.V.Bolsinoy.

Dec. 2010

180 pp.

9781904868873

6,090.

Classic Reviews in Mathematics and Mathematical Physics

Mokhov, O. /Landau, L.:

449-153

**Symplectic and Poisson Geometry on Loop Spaces
of Smooth Manifolds and Integral Equations, 2nd ed.**

This review is devoted to the differential-geometric theory of homogenous forms and other different homogenous structures (mainly, Poisson and symplectic structures) on loop spaces of smooth manifolds, their natural generalizations and applications in mathematical physics and field theory.

Aug. 2010

204 pp.

9781904868729

9,130.

Pogorelov, A.:

449-154

Multidimensional Monge-Ampere Equation

This review presents a detailed exposition of the results concerning the existence and uniqueness of the solutions of the general Monge-Ampere multidimensional equations of elliptic type. This division of the theory of partial differential equations is closely connected with geometry.

This edition is also a tribute to A.V.Pogorelov (1919-2002) in recognition of his achievements and significant contribution to mathematics.

Aug. 2010

110 pp.

9781904868811

6,090.

Voronov, T.:

449-164

Geometric Integration Theory on Supermanifolds

This volume provides a detailed account of the theory of forms on supermanifolds - a correct and non-trivial analogue of Cartan-de Rham theory based on new concepts.

It also develops supermanifold differential topology including such notions as supermanifolds with boundary and supermanifold bordism, naturally arising for the needs of integration theory.

Dec. 2010

150 pp.

9781904868828

6,090.

Cambridge Scientific Pub.

**Vol. 2012: Etheridge, A.:
Some Mathematical Models from Population Genetics:
Ecole d'Ete de Probabilites de Saint-Flour XXXIX-2009**

This work reflects sixteen hours of lectures delivered by the author at the 2009 St Flour summer school in probability.

It provides a rapid introduction to a range of mathematical models that have their origins in theoretical population genetics.

The models fall into two classes: forwards in time models for the evolution of frequencies of different genetic types in a population; and backwards in time (coalescent) models that trace out the genealogical relationships between individuals in a sample from the population.

Some, like the classical Wright-Fisher model, date right back to the origins of the subject.

449-131

Jan. 2011

114 pp.

9783642166310

5,590.

**Vol. 2010: Farina, A. /Klar, A. /Mattheij, R. /Mikelic, A. /
Siedow, N. /Fasano, A. /Ockendon, J. (eds.):
Mathematical Models in the Manufacturing of Glass:
Montecatini Terme, Italy 2008**

This volume presents a review of advanced technological problems in the glass industry and of the mathematics involved.

It is amazing that such a seemingly small research area is extremely rich and calls for an impressively large variety of mathematical methods, including numerical simulations of considerable complexity.

The problems treated here are very typical of the field of glass manufacturing and cover a large spectrum of complementary subjects: injection molding by various techniques, radiative heat transfer in glass, nonisothermal flows and fibre spinning.

Nov. 2010

234 pp.

449-132

9783642159664

7,190.

Vol. 13: Bonnafe, C.:

449-072

Representations of $SL_2(F_q)$

Deligne-Lusztig theory aims to study representations of finite reductive groups by means of geometric methods, and particularly l -adic cohomology. Many excellent texts present, with different goals and perspectives, this theory in the general setting.

This book focuses on the smallest non-trivial example, namely the group $SL_2(F_q)$, which not only provide the simplicity required for a complete description of the theory, but also the richness needed for illustrating the most delicate aspects.

The development of Deligne-Lusztig theory was inspired by Drinfeld's example in 1974, and Representations of $SL_2(F_q)$ is based upon this example, and extends it to modular representation theory.

To this end, the author makes use of fundamental results of l -adic cohomology. In order to efficiently use this machinery, a precise study of the geometric properties of the action of $SL_2(F_q)$ on the Drinfeld curve is conducted, with particular attention to the construction of quotients by various finite groups. At the end of the text, a succinct overview (without proof) of Deligne-Lusztig theory is given, as well as links to examples demonstrated in the text.

Nov. 2010

197 pp.

13,430.

9780857291561

*Grundlehren der mathematischen wissenschaften,***Vol. 343: Bahouri, H. /Chemin, J.-Y. /Danchin, R.:****Fourier Analysis and
Nonlinear Partial Differential Equations**

449-112

In recent years, the Fourier analysis methods have experienced a growing interest in the study of partial differential equations.

In particular, those techniques based on the Littlewood-Paley decomposition have proved to be very efficient for the study of evolution equations.

The present monograph aims at presenting a self-contained, state-of-the-art models of those techniques with applications to different classes of partial differential equations: transport, heat, wave and Schrödinger equations.

It will also offer more sophisticated models originating from fluid mechanics (in particular the incompressible and compressible Navier-Stokes equations) or general relativity.

The present book is either directed to anyone with a good undergraduate level of knowledge in analysis or useful for experts who are eager to know the benefit that one might gain from Fourier analysis when dealing with nonlinear partial differential equations.

Dec. 2010

522 pp.

9783642168291

10,850.

*Graduate Texts in Mathematics,***Vol. 216: Serre, D.:**

449-104

**Matrices:
Theory and Applications, 2nd ed.**

In this book, Denis Serre begins by providing a clean and concise introduction to the basic theory of matrices.

He then goes on to give many interesting applications of matrices to different aspects of mathematics and also other areas of science and engineering.

The book mixes together algebra, analysis, complexity theory and numerical analysis. As such, this book will provide many scientists, not just mathematicians, with a useful and reliable reference.

It is intended for advanced undergraduate and graduate students with either applied or theoretical goals.

This book is based on a course given by the author at the Ecole Normale Supérieure de Lyon. The present book is a translation of the original French edition, *Les Matrices: Théorie et Pratique*, published by Dunod (2001).

Nov. 2010

228 pp.

9781441976826

9,510.

*Springer Undergraduate Mathematics***Griffiths, D. /Higham, D.:**

449-140

**Numerical Methods for Ordinary Differential Equations:
Initial Value Problems**

Written for undergraduate students with a mathematical background, this book focuses on the analysis of numerical methods without losing sight of the practical nature of the subject. It covers the topics traditionally treated in a first course, but also highlights new and emerging themes.

Chapters are broken down into 'lecture' sized pieces, motivated and illustrated by numerous theoretical and computational examples. Over 200 exercises are provided and these are starred according to their degree of difficulty.

Solutions to all exercises are available to authorized instructors.

Dec. 2010

268 pp.

9780857291479

6,670.

Springer

Aomoto Kazuhiko :

449-112

Theory of Hypergeometric Functions

This book presents a geometric theory of complex analytic integrals representing hypergeometric functions of several variables. Starting from an integrand which is a product of powers of polynomials, integrals are explained, in an open affine space, as a pair of twisted de Rham cohomology and its dual over the coefficients of local system.

It is shown that hypergeometric integrals generally satisfy holonomic system of linear differential equations with respect to the coefficients of polynomials and also satisfy holonomic system of linear difference equations with respect to the exponents.

These are basically deduced from Grothendieck-Deligne's rational de Rham cohomology on the one hand, and by multidimensional extension of Birkhoff's classical theory on analytic difference equations on the other.

Jan. 2011

315 pp.

9784431539124

15,020.

Universitext

Roch, S. /Santos, P. /Silbermann, B.:

449-156

Non-Commutative Gelfand theories:**A Tool-Kit for Operator theorists & Numerical Analysts**

Written as a hybrid between a research monograph and a textbook the first half of this book is concerned with basic concepts for the study of Banach algebras that, in a sense, are not too far from being commutative. Essentially, the algebra under consideration either has a sufficiently large center or is subject to a higher order commutator property (an algebra with a so-called polynomial identity or in short: PI-algebra).

In the second half of the book, a number of selected examples are used to demonstrate how this theory can be successfully applied to problems in operator theory and numerical analysis.

Nov. 2010

392 pp.

9780857291820

10,010.

Stochastic Modeling and Applied Probability,

Vol. 65: Gyongy, I.:

449-219

Introduction to**Stochastic Partial Differential Equations**

The development of the theory of SPDEs is motivated by problems arising in practice surrounding the numerical calculations of nonlinear filters for partially observed diffusion processes.

To address these questions, the dependence of SPDEs on the driving semimartingales is investigated and new results on their numerical approximations are also given.

In contrast to previous expositions, SPDEs driven by random measures and discontinuous semimartingales are also considered, and the theory of SPDEs driven by Levy processes are included as special cases.

The author introduces a more general theory of SPDEs developing the theory of stochastic evolution equations in Banach spaces.

He presents applications to large classes of linear and nonlinear SPDEs and, in particular, he develops a theory of SPDEs with unbounded coefficients in weighted Sobolev spaces.

Sep. 2011

340 pp.

9783642165351

10,010.

Springer

*Wiley Series in Probability and Statistics***Biemer, P.:**

449-207

Latent Class Analysis of Survey Error

This book concerns the error in data collected using sample surveys, the nature and magnitudes of the errors, their effects on survey estimates, how to model and estimate the errors using a variety of modeling methods, and, finally, how to interpret the estimates and make use of the results in reducing the error for future surveys.

The book focuses on models that are appropriate for categorical data, although there are references to the differences and special problems that arise in the analysis and modeling of error for continuous data. Though the primary modeling method that is described is latent class analysis (LCA), a wide range of related models and applications are also discussed.

Dec. 2010

416 pp.

9780470289075

12,150.

Lachin, J.:

449-222

Biostatistical Methods:**The Assessment of Relative Risks, 2nd ed.**

This book focuses on the comparison, contrast, and assessment of risks on the basis of clinical investigations.

It develops basic concepts as well as deriving biostatistical methods through both the application of classical mathematical statistical tools and more modern likelihood-based theories.

The first half of the book presents methods for the analysis of single and multiple 2x2 tables for cross-sectional, prospective, and retrospective (case-control) sampling, with and without matching using fixed and two-stage random effects models.

The text then moves on to present a more modern likelihood- or model-based approach, which includes unconditional and conditional logistic regression; the analysis of count data and the Poisson regression model; the analysis of event time data, including the proportional hazards and multiplicative intensity models; and elements of categorical data analysis.

The book contains a technical, but accessible appendix that presents the core mathematical statistical theory used for the development of classical and modern statistical methods.

Dec. 2010

658 pp.

9780470508220

16,640.

Sherman, M.:

449-235

**Spatial Statistics and Spatio-Temporal Data:
Covariance Functions and Directional Properties**

In the spatial or space-time context, specifying the correct covariance function is important to obtain efficient predictions and to understand the underlying physical process of interest.

There have been several books in recent years in the general area of spatial statistics.

This book focuses on covariance and variogram functions, their role in prediction, and the proper choice of these functions in data applications. Presenting recent methods from 2004-2007 alongside more established methodology of assessing the usual assumptions on such functions such as isotropy, separability and symmetry and demonstrates the effects of incorrect covariance functions on prediction.

Nov. 2010

296 pp.

9780470695584

12,800.

Wiley

Advanced Studies in Pure Mathematics,

**Vol. 60: Jong Hae Keum, J. /Kondo Shigeyuki /
Konno Kazuhiro /Oguiso Keiji:
Algebraic Geometry in East Asia
—Seoul 2008**

449-092

The papers appearing in this volume explore a wide variety of topics that illustrate interactions between algebraic geometry and other branches of mathematics.

Some of the topics are: curves, surfaces, Fano varieties, varieties of general type, automorphisms, endomorphisms, bundles, Cremona groups, fundamental group scheme, Mordell-Weil lattices and quantum rings.

The book consists of two parts. The first part consists of survey articles and the second consists of research articles.

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II. Research Articles *Jin-Xing CAI - Automorphisms of an irregular surface with low slope acting trivially in cohomology *Jiun-Cheng CHEN - On Fano varieties with large pseudo-index *Meng CHEN - On pluricanonical systems of algebraic varieties of general type *Helene ESNAULT and Phung Ho HAI - Two small remarks on Nori fundamental group scheme *JongHae KEUM - Projective surfaces with many nodes *Yongnam LEE - Complex structure on the rational blowdown of sections in $E(4)$ *Hui-Wen LIN - Quantum invariance under P^1 flops of type $(k+2, k)$ *Noboru NAKAYAMA - Separable endomorphisms of surfaces in positive characteristic *Keiji OGUISO - The third smallest Salem number in automorphisms of K3 surfaces *Ichiro SHIMADA - Topology of curves on a surface and lattice theoretic invariants of coverings of the surface

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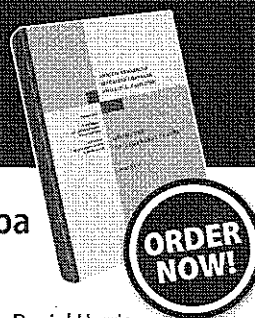
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