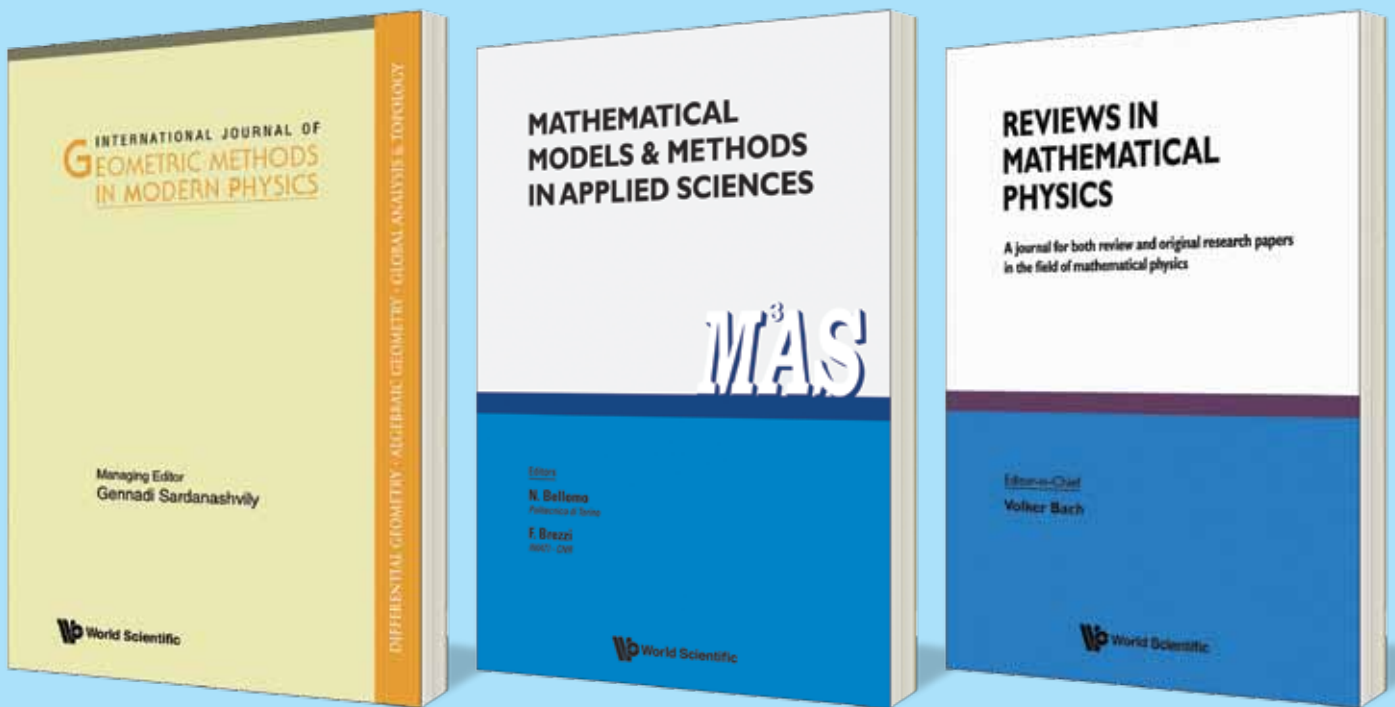


Leading Journals in Mathematics



Algebra & Number Theory 2

- Algebra Colloquium (AC)
- International Journal of Algebra and Computation (IJAC)
- International Journal of Number Theory (IJNT)
- Journal of Algebra and Its Applications (JAA)

Applied Mathematics 2 & 6

- International Journal of Biomathematics (IJB)
- Mathematical Models and Methods in Applied Sciences (M3AS)

Combinatorics & Graph Theory 2

- Discrete Mathematics, Algorithms and Applications (DMAA)

Analysis & Differential Equations 3

- Analysis and Applications (AA)
- International Journal of Wavelets, Multiresolution and Information Processing (IJWMIP)
- Journal of Hyperbolic Differential Equations (JHDE)

Geometry & Topology 3

- International Journal of Geometric Methods in Modern Physics (IJGMMP)
- Journal of Knot Theory and Its Ramification (JKTR)
- Journal of Topology and Analysis (JTA)

Logic & Theory 4

- Journal of Mathematical Logic (JML)

Mathematical Economics 4

- International Game Theory Review (IGTR)

Mathematical Finance 4

- International Journal of Theoretical and Applied Finance (IJTAF)

Stochastic Analysis 4

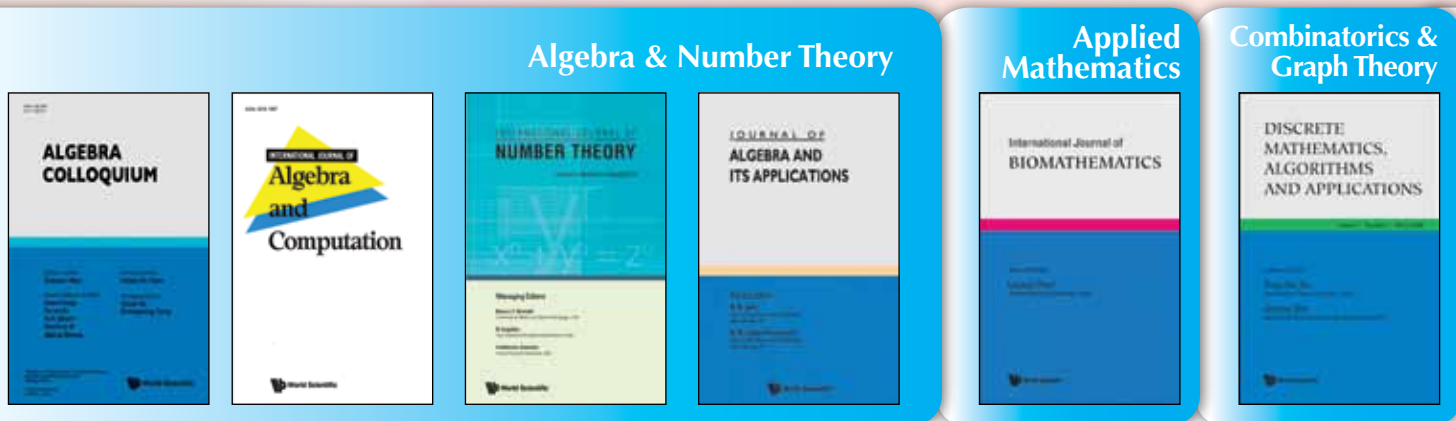
- Stochastics and Dynamics (SD)

Mathematical Physics 4

- Infinite Dimensional Analysis, Quantum Probability and Related Topics (IDAQP)
- Journal of Nonlinear Mathematical Physics (JNMP)
- Open Systems & Information Dynamics (OSID)
- Reviews in Mathematical Physics (RMP)

General Mathematics 5

- Asian-European Journal of Mathematics (AEJM)
- Communications in Contemporary Mathematics (CCM)
- Confluentes Mathematici (CM)
- International Journal of Mathematics (IJM)



ALGEBRA COLLOQUIUM (AC)

Print ISSN: 1005-3867

<http://www.worldscinet.com/ac>



This is an international mathematical journal founded at the beginning of 1994. It is edited by the Academy of Mathematics & Systems Science, Chinese Academy of Sciences, jointly with Suzhou University, and published quarterly in English in every March, June, September and December. *Algebra Colloquium* carries original research articles of high level in the field of pure and applied algebra. Papers from related areas that have applications to algebra are also considered for publication. This journal aims to reflect the latest developments in algebra and promote international academic exchanges.

Honorary Editor-in-Chief

Zhexian Wan, *Chinese Academy of Sciences, China*

Editor-in-Chief

Jiping Zhang, *Peking University, China*

INTERNATIONAL JOURNAL OF ALGEBRA AND COMPUTATION (IJAC)

Print / Online ISSN: 0218-1967 / 1793-6500

<http://www.worldscinet.com/ijac>



The Journal publishes original papers in mathematics in general, but gives a preference to those in the areas of mathematics represented by the editorial board. Fields of Interest include Combinatorial group theory and semigroup theory; Universal algebra; Algorithmic and computational problems in algebra; Theory of automata; Formal language theory; Theory of computation and Theoretical computer science.

Managing Editors

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J Meakin, *University of Nebraska-Lincoln, USA*

INTERNATIONAL JOURNAL OF NUMBER THEORY (IJNT)

Print / Online ISSN: 1793-0421 / 1793-7310

<http://www.worldscinet.com/ijnt>



This journal publishes original research papers and review articles on all areas of Number Theory, including elementary number theory, analytic number theory, algebraic number theory, arithmetic algebraic geometry, geometry of numbers, diophantine equations, diophantine approximation, transcendental number theory, probabilistic number theory, modular forms, multiplicative number theory, additive number theory, partitions, and computational number theory.

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R. Sujatha, *Tata Institute of Fundamental Research, India*

Umberto Zannier, *Piazza dei Cavalieri, Italy*

JOURNAL OF ALGEBRA AND ITS APPLICATIONS (JAA)

Print / Online ISSN: 0219-4988 / 1793-6829

<http://www.worldscinet.com/jaa>



This Journal will publish papers both on theoretical and on applied aspects of Algebra. There is special interest in papers that point out innovative links between areas of Algebra and fields of application. As the field of Algebra continues to experience tremendous growth and diversification, we intend to provide the mathematical community with a central source for information on both the theoretical and the applied aspects of the discipline.

Executive Editors

S K Jain, *Ohio University, USA*

S R López-Permouth, *Ohio University, USA*

INTERNATIONAL JOURNAL OF BIOMATHEMATICS (IJB)

Print / Online ISSN: 1793-5245 / 1793-7159

<http://www.worldscinet.com/ijb>

The goal of this journal is to present the latest achievements in biomathematics, facilitate international academic exchanges and promote the development of biomathematics. Its research fields include mathematical ecology, infectious disease dynamical system, biostatistics and bioinformatics.

Editor-in-Chief

Lansun Chen

Acade Academy of Mathematics and System Sciences, China

Co-Editor-in-Chief

K Sigmund, *University of Vienna, Austria*

DISCRETE MATHEMATICS, ALGORITHMS AND APPLICATIONS (DMAA)

Print / Online ISSN: 1793-8309 / 1793-8317

<http://www.worldscinet.com/dmaa>

The aim of this journal is to advance and promote the theory and applications of discrete mathematics, which is a research area in mathematics with applications in computer science, industrial engineering, bio-informatics, chemistry and communication networks. The journal encourages contributions from the two important parts of discrete mathematics, graph theory and combinatorics. The former includes structural graph theory, extremal graph theory, algebraic graph theory, random graphs and internet graphs. The latter consists of combinatorial design, combinatorial enumeration, coding theory, combinatorial probabilistic method, etc.

Co-Editors-in-Chief

Ding-Zhu Du, *University of Texas at Dallas, USA*

Jinlong Shu, *East China Normal University, China*

Analysis & Differential Equations

**ANALYSIS AND APPLICATIONS (AA)**

Print / Online ISSN: 0219-5305 / 1793-6861

<http://www.worldscinet.com/aa>

This Journal publishes high quality mathematical papers that treat those parts of analysis which have direct or potential applications to the physical and biological sciences and engineering. Some of the topics from analysis include approximation theory, asymptotic analysis, calculus of variations, integral equations, integral transforms, ordinary and partial differential equations, delay differential equations, and perturbation methods. The primary aim of the journal is to encourage the development of new techniques and results in applied analysis.

Editors-in-Chief**Philippe G Ciarlet**, *City University of Hong Kong, Hong Kong***Robert M Miura**, *New Jersey Institute of Technology, USA***Roderick S C Wong**, *City University of Hong Kong, Hong Kong***INTERNATIONAL JOURNAL OF WAVELETS, MULTIREOLUTION AND INFORMATION PROCESSING (IJWMP)**

Print / Online ISSN: 0219-6913 / 1793-690X

<http://www.worldscinet.com/ijwmp>

This journal considers the current state-of-the-art theories of wavelet analysis, multiresolution and information processing as well as their applications. This journal aims at publishing papers in both the theories and applications, concentrating on the practical applications of the wavelets, multiresolution and information processing to all areas in science and engineering.

Editor-in-Chief**Yuan Y Tang**, *Chongqing University, China* and*Hong Kong Baptist University, Hong Kong***Managing Editor****Luoqing Li**, *Hubei University, China***JOURNAL OF HYPERBOLIC DIFFERENTIAL EQUATIONS (JHDE)**

Print / Online ISSN: 0219-8916 / 1793-6993

<http://www.worldscinet.com/jhde>

This journal publishes original research papers on nonlinear hyperbolic problems and related topics, of mathematical and/or physical interest. Specifically, it invites papers on the theory and numerical analysis of hyperbolic conservation laws and of hyperbolic partial differential equations arising in mathematical physics.

Managing Editors**Philippe G. LeFloch***Université Pierre et Marie Curie (Paris 6), France***J-G Liu**, *Duke University, USA*

Geometry & Topology

**INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS (IJGMMP)**

Print / Online ISSN: 0219-8878 / 1793-6977

<http://www.worldscinet.com/ijgmmp>

This journal publishes short communications, research and review articles devoted to the application of geometric methods (including differential geometry, algebraic geometry, global analysis and topology) to quantum field theory, non-perturbative quantum gravity, string and brane theory, quantum mechanics, semi-classical approximations in quantum theory, quantum thermodynamics and statistical physics, quantum computation and control theory.

Managing Editor**G Sardanashvily**, *Moscow State University, Russia***Associate Editor****G Giachetta**, *University of Camerino, Italy***JOURNAL OF KNOT THEORY AND ITS RAMIFICATIONS (JKTR)**

Print / Online ISSN: 0218-2165 / 1793-6527

<http://www.worldscinet.com/jktr>

This Journal is intended as a forum for new developments in knot theory, particularly developments that create connections between knot theory and other aspects of mathematics and natural science. The stance is interdisciplinary due to the nature of the subject. Papers include new research in the theory of knots and links, and their applications; new researches in related fields; tutorial and review papers, etc.

Editor-in-Chief**L H Kauffman**, *University of Illinois at Chicago, USA***Managing Editors****J Scott Carter**, *University of South Alabama, USA***S Matveev**, *Chelyabinsky State University, Russia***M Wadati**, *Tokyo University of Science, Japan***JOURNAL OF TOPOLOGY AND ANALYSIS (JTA)**

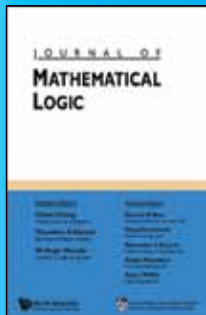
Print / Online ISSN: 1793-5253 / 1793-7167

<http://www.worldscinet.com/jta>

This journal is devoted to topology and analysis, broadly defined to include, for instance, differential geometry, geometric topology, geometric analysis, geometric group theory, index theory, noncommutative geometry, and aspects of probability on discrete structures, and geometry of Banach spaces. We welcome all excellent papers that have a geometric and/or analytic flavor that fosters the interactions between these fields. Papers published in this journal should break new ground or represent definitive progress on problems of current interest. On rare occasion, we will also accept survey papers.

Managing Editors**Shmuel Weinberger**, *University of Chicago, USA***Guoliang Yu**, *Vanderbilt University, USA*

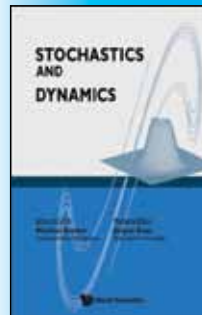
Logic And Set Theory



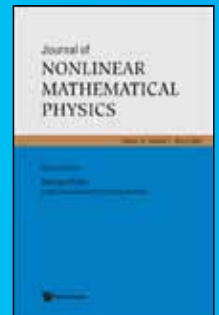
Mathematic Finance



Stochastics Analysis



Mathematical Physics



JOURNAL OF MATHEMATICAL LOGIC (JML)

Print / Online ISSN: 0219-0613 / 1793-6691

<http://www.worldscinet.com/jml>



This Journal provides an important forum for the communication of original contributions in all areas of mathematical logic and its applications. It aims at publishing papers at the highest level of mathematical creativity and sophistication. JML intends to represent the most important and innovative developments in the subject.

Managing Editors

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Theodore A Slaman, *University of California, USA*

W Hugh Woodin, *University of California, USA*

INTERNATIONAL GAME THEORY REVIEW (IGTR)

Print / Online ISSN: 0219-1989 / 1793-6675

<http://www.worldscinet.com/igtr>

This journal emphasizes rigorous analysis, and will offer up-to-date insights and perspectives through original research in game theory and its applications. It welcomes game-oriented papers from all fields of study. IGTR will publish both original articles and state-of-the-art surveys, and will seek to maintain a balanced orientation between game-theoretic modeling and practical implications. Theoretical significance as well as empirical relevance are key criteria for acceptance of an article, and IGTR will be accessible to readers from a wide range of disciplines.

Managing Editor

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INTERNATIONAL JOURNAL OF THEORETICAL AND APPLIED FINANCE (IJTAF)

Print / Online ISSN: 0219-0249 / 1793-6322

<http://www.worldscinet.com/ijtaf>

The Journal brings together international experts involved in the mathematical modelling of financial instruments as well as the application of these models to global financial markets.

Abstracting/Indexing

- JEL electronic indexes, includes EconList, e-JEL, and JEL on CD
- Social Science Research Network (SSRN)
- Mathematical Reviews
- And more

Editor-in-Chief

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Advisor

R C Merton, *Harvard University, USA*

STOCHASTICS AND DYNAMICS (SD)

Print / Online ISSN: 0219-4937 / 1793-6799

<http://www.worldscinet.com/sd>



This interdisciplinary journal is devoted to publishing high quality papers in modeling, analyzing, quantifying and predicting stochastic phenomena in science and engineering from a dynamical system's point of view. Papers can be about theory, experiments, algorithms, numerical simulation and applications. Papers studying the dynamics of stochastic phenomena by means of random or stochastic ordinary, partial or functional differential equations or random mappings are particularly welcome, and so are studies of stochasticity in deterministic systems.

Editor-in-Chief

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Managing Editor

Jinqiao Duan, *Illinois Institute of Technology, USA*

INFINITE DIMENSIONAL ANALYSIS, QUANTUM PROBABILITY AND RELATED TOPICS (IDAQP)

Print / Online ISSN: 0219-0257 / 1793-6306

<http://www.worldscinet.com/idaqp>



The fields of infinite dimensional analysis and quantum probability have undergone increasingly significant developments and have found many new applications, in particular, to classical probability and to different branches of physics. The number of first-class papers in these fields has grown at the same rate. This is currently the only journal which is devoted to these fields.

Managing Editor

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Editor-in-Chief

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JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS (JNMP)

Print / Online ISSN: 1402-9251 / 1776-0852

<http://www.worldscinet.com/jnmp>



This Journal is a mathematical journal devoted to the publication of research papers concerned with the description, solution, and applications of nonlinear problems in physics and mathematics.

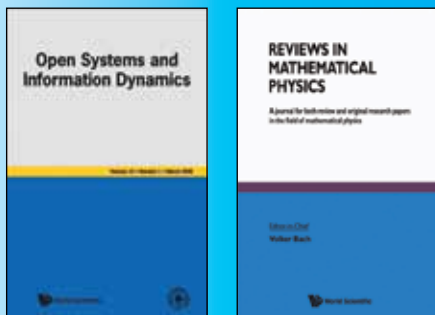
Abstracting/Indexing

- Mathematical Reviews
- Zentralblatt MATH
- Science Citation Index Expanded (SciSearch®)
- ISI Alerting Services
- And more

Editor-in-Chief

Norbert Euler, *Luleå University of Technology, Sweden*

Mathematics Physics



OPEN SYSTEMS & INFORMATION DYNAMICS (OSID)
 Print / Online ISSN: 1230-1612 / 1793-7191
<http://www.worldscinet.com/osid>



The aim of this journal is to promote interdisciplinary research in mathematics, physics, engineering and life sciences centered around the issues of broadly understood information processing, storage and transmission, in both quantum and classical settings. Our special interest lies in the information-theoretic approach to phenomena dealing with dynamics and thermodynamics, control, communication, filtering, memory and cooperative behaviour, etc., in open complex systems.

Editor-in-Chief

M Ohya, *Tokyo University of Science, Japan*

REVIEWS IN MATHEMATICAL PHYSICS (RMP)
 Print / Online ISSN: 0129-055X / 1793-6659
<http://www.worldscinet.com/rmp>



This journal fills the need for a review journal in the field, but also accepts original research papers of high quality. The review papers - introductory and survey papers - are of relevance not only to mathematical physicists, but also to mathematicians and theoretical physicists interested in interdisciplinary topics.

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Editor-in-Chief

Volker Bach, *TU Braunschweig, Germany*

ASIAN-EUROPEAN JOURNAL OF MATHEMATICS (AEJM)
 Print / Online ISSN: 1793-5571 / 1793-7183
<http://www.worldscinet.com/aejm>

This journal is an international journal which is devoted to original research in the field of pure and applied mathematics. The aim of the journal is to provide a medium by which new ideas can be discussed among researchers from diverse fields in mathematics. It publishes high quality research papers in the fields of contemporary pure and applied mathematics with a broad range of topics including algebra, analysis, topology, geometry, functional analysis, number theory, differential equations, operational research, combinatorics, theoretical statistics and probability, theoretical science and logic.

Honorary Chief Editor

Wu Wentsun, *Chinese Academy of Sciences, China*

Chief Editor

K P Shum, *Hong Kong University, Hong Kong*

General Mathematics



COMMUNICATIONS IN CONTEMPORARY MATHEMATICS (CCM)
 Print / Online ISSN: 0219-1997 / 1793-6683
<http://www.worldscinet.com/ccm>



With traditional boundaries between various specialized fields of mathematics becoming less and less visible, this journal presents the forefront of research in the fields of: Algebra, Analysis, Applied Mathematics, Dynamical Systems, Geometry, Mathematical Physics, Number Theory, Partial Differential Equations and Topology, among others. It provides a forum to stimulate interactions between different areas. Both original research papers and expository articles will be published.

Editors-in-Chief

Haïm Brezis, *Universite Pierre et Marie Curie, France and Rutgers University, USA*

Yi-Zhi Huang, *Rutgers University, USA*

CONFLUENTES MATHEMATICI (CM)
 Print / Online ISSN: 1793-7442 / 1793-7434
<http://www.worldscinet.com/cm>

This journal aims to publish high quality mathematical research articles concerning two or more distinct research areas. All domains of Mathematics (pure and applied) and Mathematical Physics will be considered, as well as the History of Mathematics. *Confluentes Mathematici* also publishes survey articles, in particular, transversal across distinct research fields.

Managing Editors

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Laurent Berger, *U.M.P.A., France*

Frank Wagner, *Université Claude Bernard Lyon 1, France*

INTERNATIONAL JOURNAL OF MATHEMATICS (IJM)
 Print / Online ISSN: 0129-167X / 1793-6519
<http://www.worldscinet.com/ijm>



This journal publishes original papers in mathematics in general, but giving a preference to those in the areas of mathematics represented by the editorial board. The journal has been published monthly except in June and December to bring out new results without delay. Occasionally, expository papers of exceptional value may also be published. The first issue appeared in March 1990.

Chair

Yasuyuki Kawahigashi, *University of Tokyo, Japan*

