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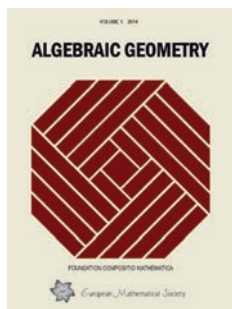
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## Aims and Scope

*Algebraic Geometry* is an open access journal owned by the *Foundation Compositio Mathematica*. The purpose of the journal is to publish first-class research papers in algebraic geometry and related fields. All contributions are required to meet high standards of quality and originality and are carefully screened by experts in the field.

Open access implies here that the electronic version of the journal is freely accessible and that there are no article processing charges for authors whatsoever. The printed version of the journal will appear at the end of the calendar year and comprise the entire volume in one hard cover tome.

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### Aims and Scope

The unfolding of new ideas in physics is often tied to the development of new combinatorial methods, and conversely some problems in combinatorics have been successfully attacked using methods inspired by statistical physics or quantum field theory.

The journal is dedicated to publishing high-quality original research articles and survey articles in which combinatorics and physics interact in both directions. Combinatorial papers should be motivated by potential applications to physical phenomena or models, while physics papers should contain some interesting combinatorial development.

Both rigorous mathematical proof and heuristic physical reasoning have a place in this journal, but each must be clearly labeled. Definitions and proofs should be presented with the precision and rigor that are expected in a mathematics journal. Conjectures based on heuristic physical arguments and/or numerical evidence are warmly encouraged, but they should be clearly labeled as such and should be stated as precisely as possible.

The list of specific subject areas in which articles are anticipated includes:

Combinatorics of renormalization; combinatorics of cluster, virial and related expansions; discrete geometry and combinatorics of quantum gravity; graph polynomials and statistical-mechanics models; topological graph polynomials and quantum field theory; physical applications of combinatorial Hopf algebras, matroids, combinatorial species, and other combinatorial structures; exact solutions of statistical-mechanical models; combinatorics and algebra of integrable systems; computational complexity and its relation with statistical physics; computational/algorithmic aspects of combinatorial physics; interactions of combinatorial physics with topology, geometry, probability theory, or computer science.

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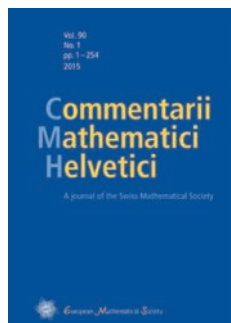
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## Aims and Scope

*Commentarii Mathematici Helvetici* (CMH) was established on the occasion of a meeting of the Swiss Mathematical Society in May 1928. The first volume was published in 1929. The journal soon gained international reputation and is one of the world's leading mathematical periodicals. The first Managing Editor was R. Fueter, followed in 1950 by J. J. Burckhardt, 1982 by P. Gabriel, 1990 by H. Kraft, and 2006 by Eva Bayer-Fluckiger.

The journal is intended for the publication of original research articles on all aspects in mathematics.

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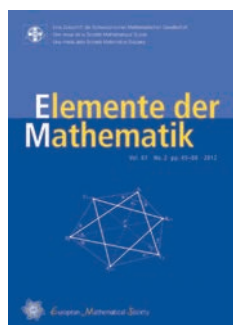
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### Aims and Scope

*Elemente der Mathematik* publishes survey articles about important developments in the field of mathematics; stimulating shorter communications that tackle more specialized questions; and papers that report on the latest advances in mathematics and applications in other disciplines. The journal does not focus on basic research. Rather, its articles seek to convey to a wide circle of readers (teachers, students, engineers, professionals in industry and administration) the relevance, intellectual challenge and vitality of mathematics today. The Problems Section, covering a diverse range of exercises of varying degrees of difficulty, encourages an active grappling with mathematical problems. The journal's books and software reviews are additional features that serve to keep readers attuned to what is new and exciting on all mathematical fronts.

The publication language is primarily German, but many articles are in English, French or Italian.

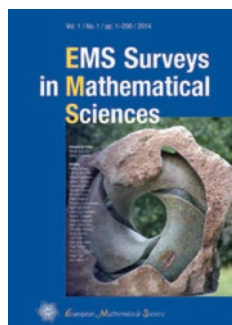
Die *Elemente der Mathematik* richten sich an interessierte Mathematikerinnen und Mathematiker, insbesondere an Lehrende an Gymnasien und Ingenieurschulen sowie an Studierende, Assistentinnen und Assistenten der Mathematik und verwandter Fachgebiete. Ihr Ziel ist es, den Leserinnen und Lesern aktuelle und klassische Gebiete der Mathematik nahe zu bringen, und sie zu einer aktiven Auseinandersetzung mit der Mathematik anzuregen.

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The *EMS Surveys in Mathematical Sciences* is dedicated to publishing authoritative surveys and high-level expositions in all areas of mathematical sciences. It is a peer-reviewed periodical which communicates advances of mathematical knowledge to give rise to greater progress and cross-fertilization of ideas. Surveys should be written in a style accessible to a broad audience, and might include ideas on conceivable applications or conceptual problems posed by the contents of the survey.

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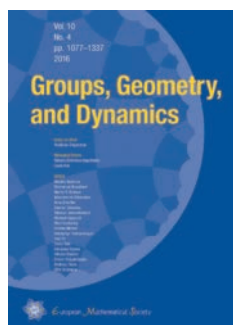
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## Aims and Scope

*Groups, Geometry, and Dynamics* is devoted to publication of research articles that focus on groups or group actions as well as articles in other areas of mathematics in which groups or group actions are used as a main tool. The journal covers all topics of modern group theory with preference given to geometric, asymptotic and combinatorial group theory, dynamics of group actions, probabilistic and analytical methods, interaction with ergodic theory and operator algebras, and other related fields.

Topics covered include: geometric group theory; asymptotic group theory; combinatorial group theory; probabilities on groups; computational aspects and complexity; harmonic and functional analysis on groups, free probability; ergodic theory of group actions; cohomology of groups and exotic cohomologies; groups and low-dimensional topology; group actions on trees, buildings, rooted trees.

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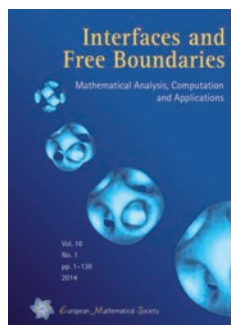
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### Aims and Scope

*Interfaces and Free Boundaries* is dedicated to the mathematical modelling, analysis and computation of interfaces and free boundary problems in all areas where such phenomena are pertinent. The journal aims to be a forum where mathematical analysis, partial differential equations, modelling, scientific computing and the various applications which involve mathematical modelling meet. Submissions should, ideally, emphasize the combination of theory and application.

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## Aims and Scope

The *Journal of Combinatorial Algebra* is devoted to publication of research articles of the highest level. Its domain is the rich and deep area of interplay between combinatorics and algebra. Its scope includes combinatorial aspects of group, semigroup and ring theory, representation theory, commutative algebra, algebraic geometry and dynamical systems. Exceptionally strong research papers from all parts of mathematics related to these fields are also welcome.

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## Aims and Scope

*Journal of the European Mathematical Society* (JEMS) is the official journal of the EMS. The Society, founded in 1990, works at promoting joint scientific efforts between the many different structures that characterize European mathematics. JEMS publishes research articles in all active areas of pure and applied mathematics. These are selected by a distinguished, international board of editors for their outstanding quality and interest, according to the highest international standards. Occasionally, substantial survey papers on topics of exceptional interest will also be published.

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### Aims and Scope

The *Journal of Fractal Geometry* is dedicated to publishing high quality contributions to fractal geometry and related subjects, or to mathematics in areas where fractal properties play an important role.

The *Journal of Fractal Geometry* accepts submissions containing original research articles and short communications. Occasionally research expository or survey articles will also be published. Only contributions representing substantial advances in the field will be considered for publication. Surveys and expository papers, as well as papers dealing with the applications to other sciences or with experimental mathematics, may be considered, especially when they contain significant mathematical content or value and suggest interesting new research directions through conjectures or the discussion of open problems.

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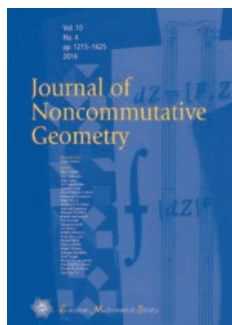
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## Aims and Scope

The *Journal of Noncommutative Geometry* covers the noncommutative world in all its aspects. It is devoted to publication of research articles which represent major advances in the area of noncommutative geometry and its applications to other fields of mathematics and theoretical physics.

Topics covered include in particular: Hochschild and cyclic cohomology; K-theory and index theory; measure theory and topology of noncommutative spaces, operator algebras; spectral geometry of noncommutative spaces; noncommutative algebraic geometry; Hopf algebras and quantum groups; foliations, groupoids, stacks, gerbes; deformations and quantization; noncommutative spaces in number theory and arithmetic geometry; noncommutative geometry in physics: QFT, renormalization, gauge theory, string theory, gravity, mirror symmetry, solid state physics, statistical mechanics.

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## Aims and Scope

The *Journal of Spectral Theory* is devoted to the publication of research articles that focus on spectral theory and its many areas of application. Articles of all lengths including surveys of parts of the subject are very welcome.

The following list includes several aspects of spectral theory and also fields which feature substantial applications of (or to) spectral theory.

- Schrödinger operators, scattering theory and resonances;
- eigenvalues: perturbation theory, asymptotics and inequalities;
- quantum graphs, graph Laplacians;
- pseudo-differential operators and semi-classical analysis;
- random matrix theory;
- the Anderson model and other random media;
- non-self-adjoint matrices and operators, including Toeplitz operators;
- spectral geometry, including manifolds and automorphic forms;
- linear and nonlinear differential operators, especially those arising in geometry and physics;
- orthogonal polynomials;
- inverse problems.

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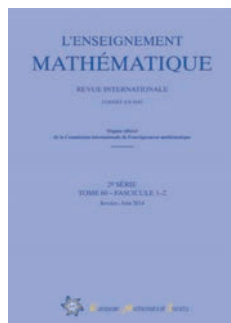
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### Aims and Scope

The journal *L'Enseignement Mathématique* was founded in 1899 by Henri Fehr (Geneva) and Charles-Ange Laisant (Paris). It is intended primarily for publication of high-quality research and expository papers in mathematics. Approximately 60 pages each year will be devoted to book reviews.

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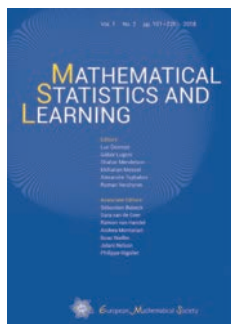
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## Aims and Scope

*Mathematical Statistics and Learning* is devoted to research articles of the highest quality in all aspects of mathematical statistics and learning, including those studied in traditional areas of statistics and in machine learning as well as in theoretical computer science and signal processing.

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## Aims and Scope

The “Mathematisches Forschungsinstitut Oberwolfach” regularly organizes workshops in all fields of Mathematics. Their aim is to offer 45–48 experts, invited by the Institute’s Director, the opportunity to present recent research results, especially new methods, and to initiate future research projects. Mathematical research mainly aims at the study of the structure and

inner correlations of mathematical objects and at the development of more comprehensive theories. Many mathematical questions are consequences of the effort to describe nature in mathematical terms, but it can also happen that the mathematical frame was created before the appearance of the applications. The process of research leads to mathematical theorems, whose proofs are typically complicated. The final write-up of a proof can best be done at the home institutes, but the development of a mathematical theory and, within such a theory, of a promising idea for a proof, is an extremely creative process depending very much on intuition and experience.

Naturally, coincidence also plays a big role. Improving the chances for progress by coincidence is one of the main purposes of the research at the Oberwolfach Institute. When getting to know the background of an important result during a talk, one can suddenly have a bright idea, perhaps leading to a considerable progress in one’s own research activity. Within discussions in small groups, when presenting fresh thoughts, one sometimes can find the right direction for further work with the help of the comments of colleagues. Often it also happens that two or three colleagues, during discussions, become aware that they, though coming from different backgrounds and with different motivations, are interested in similar problems and decide to unify their potential in order to establish a common research project.

All this happens nearly daily at these workshops. A great number of important papers have been initiated at Oberwolfach in this manner. Contrary to the typically large conferences all over the world, workshops at Oberwolfach emphasize active research.

The *Oberwolfach Reports* are meant to capture, in an informal manner, the characteristic ideas and discussions of these workshops. As a service to the community, they are now offered by the Institute, at a nominal price, and allow the public to partake in the lively and stimulating atmosphere of these meetings. While the peer-reviewed results will appear elsewhere, the Oberwolfach Reports will keep the reader abreast of current developments and open problems, and serve as an indispensable source of information for the active mathematician.

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## A journal of the Portuguese Mathematical Society



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### Aims and Scope

Since its foundation in 1937, *Portugaliae Mathematica* has aimed at publishing high-level research articles in all branches of mathematics. With great efforts by its founders, the journal was able to publish articles by some of the best mathematicians of the time. In 2001 a *New Series of Portugaliae Mathematica* was started, reaffirming the purpose of maintaining a high-level research journal in mathematics with a wide range scope.

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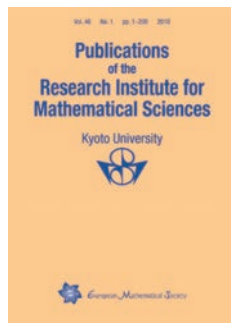
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298 € online only / 348 € print+online  
[Published by EMS](#)

### Aims and Scope

The aim of the *Publications of the Research Institute for Mathematical Sciences* (PRIMS) is to publish original research papers in the mathematical sciences. Occasionally surveys are included at the request of the editorial board.

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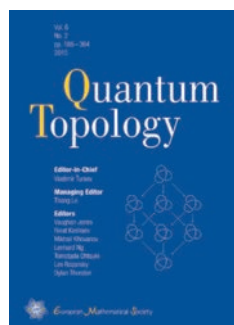
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## Aims and Scope

*Quantum Topology* is dedicated to publishing original research articles, short communications, and surveys in quantum topology and related areas of mathematics. Topics covered include in particular:

- low-dimensional topology;
- knot theory;
- Jones polynomial and Khovanov homology;
- topological quantum field theory;
- quantum groups and Hopf algebras;
- mapping class groups and Teichmüller space;
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- contact and symplectic topology
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### Aims and Scope

The Accademia dei Lincei (Lynx), founded in 1603, is the oldest academy dedicated to the study of humanities as well as physics, mathematics and the natural sciences in the world. Through the centuries, some of the most important scientists of their time have been among their members, including Galileo Galilei, Enrico Fermi and Vito Volterra.

The academy began publishing in 1873 with the *Atti della Reale Accademia dei Lincei, Transunti*. Continued in 1884 as *Atti della Reale Accademia dei Lincei, Rendiconti* and under the present name in 1990, the *Rendiconti Lincei* have been one of the best Italian journals ever since. Papers by the most outstanding Italian mathematicians such as Betti, Bianchi, Caccioppoli, Castelnuovo, Enriques, Levi-Civita, Picone, Tonelli, Volterra and, more recently, Andreotti, Fichera, De Giorgi, Segre, Severi and Stampacchia have been published.

The journal is dedicated to the publication of high-quality peer-reviewed surveys, research papers and preliminary announcements of important results from all fields of mathematics and its applications.

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## The Mathematical Journal of the University of Padua



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### Aims and Scope

The *Rendiconti del Seminario Matematico della Università di Padova* have been published by the Seminario Matematico of the University of Padua since 1930. The aim of *Rendiconti* is to publish original high-quality research articles in mathematics. By tradition the journal focuses on algebra, analysis, algebraic and differential geometry, mathematical physics and number theory. The journal is ready to accept long papers of foundational or technical nature, as well as papers containing applications or surveys, provided these are especially well structured and fill a gap in the literature.

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## A journal of the Real Sociedad Matemática Española



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### Aims and Scope

*Revista Matemática Iberoamericana* publishes original research articles in all areas of mathematics. Its distinguished Editorial Board selects papers according to the highest standards. Founded in 1985, *Revista* is the scientific journal of the Real Sociedad Matemática Española.

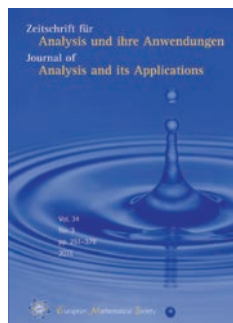
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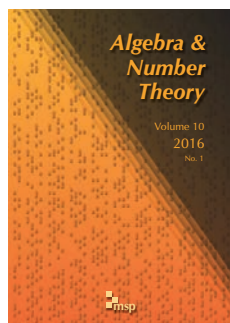
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*Algebra & Number Theory's* broad definition of algebra and number theory allows it to print high-quality research covering a wide range of subtopics, including algebraic and arithmetic geometry. ANT publishes high-quality articles of interest to a broad readership, at a level surpassing all but the top four or five mathematics journals.

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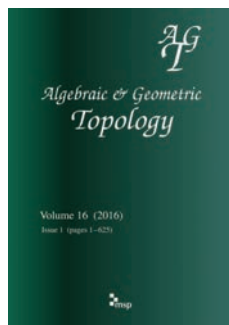
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*Algebraic & Geometric Topology* publishes papers in all areas of algebraic and geometric topology. Founded in 2001, AGT is now a prominent journal in its field, its high standards and rigorous editorial process attracting an ever-increasing number of excellent submissions. AGT has an impact factor regularly placing in the top third of all journals.

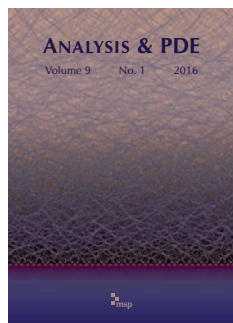
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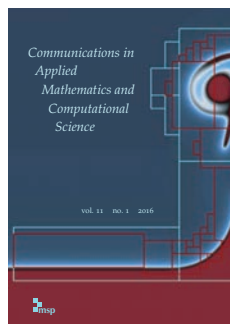
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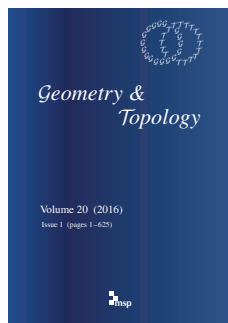
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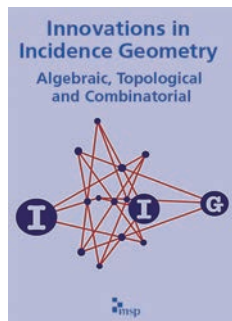
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IIG was formerly published (without the subtitle) at Ghent University starting in 2005, and was adopted by MSP in 2018 at the request of the editors. It publishes high-quality research on all matters relating to incidence geometry, including articles in computational geometry, finite algebraic geometry, finite and combinatorial geometry, Galois geometry, generalized polygons, geometry of groups, algebraic combinatorics, projective and affine planes, Tits buildings, and topological geometry.

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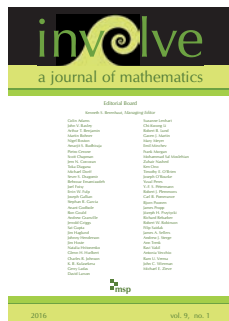
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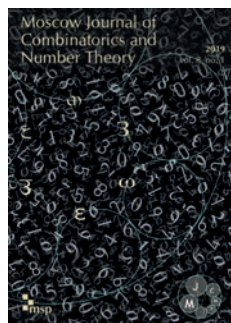
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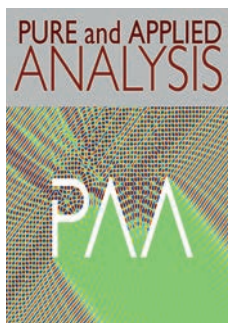
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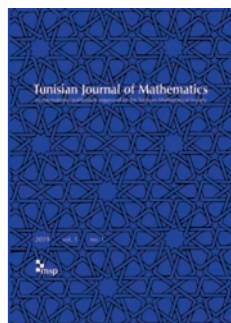
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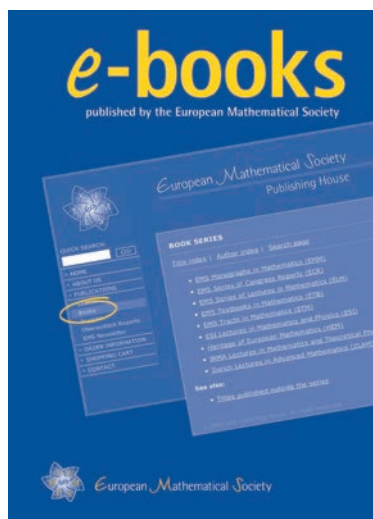
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The Society seeks to serve all mathematicians in universities, research institutes and other organizations in higher education. Its main aims are to

- promote mathematical research
- foster interaction between mathematicians of different countries
- establish a sense of identity amongst European mathematicians, and
- represent the mathematical community in European institutions

### Meetings of the Society

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