

## Progress in Mathematics

*Edited by:*

J. Oesterlé  
Département de Mathématiques  
Université de Paris VI  
4, Place Jussieu  
75230 Paris Cedex 05, France

A. Weinstein  
Department of Mathematics  
University of California  
Berkeley, CA 94720  
U.S.A.

*Progress in Mathematics* is a series of books intended for professional mathematicians and scientists, encompassing all areas of pure mathematics. This distinguished series, which began in 1979, includes authored monographs and edited collections of papers on important research developments as well as expositions of particular subject areas.

We encourage preparation of manuscripts in some form of TeX for delivery in camera-ready copy which leads to rapid publication, or in electronic form for interfacing with laser printers or typesetters.

Proposals should be sent directly to the editors or to: Birkhäuser Boston, 675 Massachusetts Avenue, Cambridge, MA 02139, U. S. A.

A complete list of titles in this series is available from the publisher.

- |    |  |    |   |
|----|--|----|---|
| 53 | LAURENT. Théorie de la Deuxième Microlocalisation dans le Domaine Complexe.  | 61 | BALLMANN/GROMOV/SCHROEDER. Manifolds of Nonpositive Curvature   |
| 54 | VERDIER/LE POTIER. Module des Fibres Stables sur les Courbes Algébriques: Notes de l'Ecole Normale Supérieure, Printemps, 1983 | 62 | GUILLOU/MARIN. A la Recherche de la Topologie Perdue  |
| 55 | EICHLER/ZAGIER. The Theory of Jacobi Forms   | 63 | GOLDSTEIN. Séminaire de Théorie des Nombres, Paris 1984–85  |
| 56 | SHIFFMAN /SOMMESE. Vanishing Theorems on Complex Manifolds   | 64 | MYUNG. Malcev-Admissible Algebras   |
| 57 | RIESEL. Prime Numbers and Computer Methods for Factorization   | 65 | GRUBB. Functional Calculus of Pseudo-Differential Boundary Problems                                     |
| 58 | HELFFER/NOURRIGAT. Hypo-ellipticité Maximale pour des Opérateurs Polynomes de Champs de Vecteurs                               | 66 | CASSOU-NOGUES/TAYLOR. Elliptic Functions and Rings and Integers   |
| 59 | GOLDSTEIN. Séminaire de Théorie des Nombres, Paris 1983–84   | 67 | HOWE. Discrete Groups in Geometry and Analysis: Papers in Honor of G.D. Mostow on His Sixtieth Birthday |
| 60 | PROCESI. Geometry Today: Giornate Di Geometria, Roma. 1984   | 68 | ROBERT. Autour de L'Approximation Semi-Classique  |
|    |  | 69 | FARAUT/HARZALLAH. Deux Cours d'Analyse Harmonique   |

- 70 ADOLPHSON/CONREY/GHOSH/YAGER. Analytic Number Theory and Diophantine Problems: Proceedings of a Conference at Oklahoma State University
- 71 GOLDSTEIN. Séminaire de Théorie des Nombres, Paris 1985–86
- 72 VAISMAN. Symplectic Geometry and Secondary Characteristic Classes
- 73 MOLINO. Riemannian Foliations
- 74 HENKIN/LEITERER. Andreotti-Grauert Theory by Integral Formulas
- 75 GOLDSTEIN. Séminaire de Théorie des Nombres, Paris 1986–87
- 76 COSSEC/DOLGACHEV. Enriques Surfaces I
- 77 REYSSAT. Quelques Aspects des Surfaces de Riemann
- 78 BORHO/BRYLINSKI/MACPHERSON. Nilpotent Orbits, Primitive Ideals, and Characteristic Classes
- 79 MCKENZIE/VALERIOTE. The Structure of Decidable Locally Finite Varieties
- 80 KRAFT/PETRIE/SCHWARZ. Topological Methods in Algebraic Transformation Groups
- 81 GOLDSTEIN. Séminaire de Théorie des Nombres, Paris 1987–88
- 82 DUFLO/PEDERSEN/VERGNE. The Orbit Method in Representation Theory: Proceedings of a Conference held in Copenhagen, August to September 1988
- 83 GHYS/DE LA HARPE. Sur les Groupes Hyperboliques d'après Mikhael Gromov
- 84 ARAKI/KADISON. Mappings of Operator Algebras: Proceedings of the Japan-U.S. Joint Seminar, University of Pennsylvania, Philadelphia, Pennsylvania, 1988
- 85 BERNDT/DIAMOND/HALBERSTAM/HILDEBRAND. Analytic Number Theory: Proceedings of a Conference in Honor of Paul T. Bateman
- 86 CARTIER/ILLUSIE/KATZ/LAUMON/MANIN/RIBET. The Grothendieck Festschrift: A Collection of Articles Written in Honor of the 60th Birthday of Alexander Grothendieck. Vol. I
- 87 CARTIER/ILLUSIE/KATZ/LAUMON/MANIN/RIBET. The Grothendieck Festschrift: A Collection of Articles Written in Honor of the 60th Birthday of Alexander Grothendieck. Volume II
- 88 CARTIER/ILLUSIE/KATZ/LAUMON/MANIN/RIBET. The Grothendieck Festschrift: A Collection of Articles Written in Honor of the 60th Birthday of Alexander Grothendieck. Volume III
- 89 VANDER GEER/OORT / STEENBRINK. Arithmetic Algebraic Geometry
- 90 SRINIVAS. Algebraic K-Theory
- 91 GOLDSTEIN. Séminaire de Théorie des Nombres, Paris 1988–89
- 92 CONNES/DUFLO/JOSEPH/RENTSCHLER. Operator Algebras, Unitary Representations, Enveloping Algebras, and Invariant Theory. A Collection of Articles in Honor of the 65th Birthday of Jacques Dixmier
- 93 AUDIN. The Topology of Torus Actions on Symplectic Manifolds
- 94 MORA/TRAVERSO (eds.) Effective Methods in Algebraic Geometry
- 95 MICHLER/RINGEL (eds.) Representation Theory of Finite Groups and Finite Dimensional Algebras
- 96 MALGRANGE. Equations Différentielles à Coefficients Polynomiaux
- 97 MUMFORD/NORI/NORMAN. Tata Lectures on Theta III
- 98 GODBILLON. Feuilletages, Etudes géométriques
- 99 DONATO/DUVAL/ELHADAD/TUYNMAN. Symplectic Geometry and Mathematical Physics. A Collection of Articles in Honor of J.-M. Souriau
- 100 TAYLOR. Pseudodifferential Operators and Nonlinear PDE
- 101 Barker/Sally. Harmonic Analysis on Reductive Groups