

LECTURE NOTES IN MATHEMATICS

Edited by A. Dold and B. Eckmann

Some general remarks on the publication of monographs and seminars

In what follows all references to monographs, are applicable also to multiauthorship volumes such as seminar notes.

§1. Lecture Notes aim to report new developments - quickly, informally, and at a high level. Monograph manuscripts should be reasonably self-contained and rounded off. Thus they may, and often will, present not only results of the author but also related work by other people. Furthermore, the manuscripts should provide sufficient motivation, examples and applications. This clearly distinguishes Lecture Notes manuscripts from journal articles which normally are very concise. Articles intended for a journal but too long to be accepted by most journals, usually do not have this "lecture notes" character. For similar reasons it is unusual for Ph.D. theses to be accepted for the Lecture Notes series.

Experience has shown that English language manuscripts achieve a much wider distribution.

§2. Manuscripts or plans for Lecture Notes volumes should be submitted either to one of the series editors or to Springer-Verlag, Heidelberg. These proposals are then refereed. A final decision concerning publication can only be made on the basis of the complete manuscripts, but a preliminary decision can usually be based on partial information: a fairly detailed outline describing the planned contents of each chapter, and an indication of the estimated length, a bibliography, and one or two sample chapters - or a first draft of the manuscript. The editors will try to make the preliminary decision as definite as they can on the basis of the available information.

§3. Lecture Notes are printed by photo-offset from typed copy delivered in camera-ready form by the authors. Springer-Verlag provides technical instructions for the preparation of manuscripts, and will also, on request, supply special stationery on which the prescribed typing area is outlined. Careful preparation of the manuscripts will help keep production time short and ensure satisfactory appearance of the finished book. Running titles are not required; if however they are considered necessary, they should be uniform in appearance. We generally advise authors not to start having their final manuscripts specially typed beforehand. For professionally typed manuscripts, prepared on the special stationery according to our instructions, Springer-Verlag will, if necessary, contribute towards the typing costs at a fixed rate.

The actual production of a Lecture Notes volume takes 6-8 weeks.

.../...

- §4. Final manuscripts should contain at least 100 pages of mathematical text and should include
- a table of contents
 - an informative introduction, perhaps with some historical remarks. It should be accessible to a reader not particularly familiar with the topic treated.
 - a subject index; this is almost always genuinely helpful for the reader.

- §5. Authors receive a total of 50 free copies of their volume, but no royalties. They are entitled to purchase further copies of their book for their personal use at a discount of 33.3 %, other Springer mathematics books at a discount of 20 % directly from Springer-Verlag.

Commitment to publish is made by letter of intent rather than by signing a formal contract. Springer-Verlag secures the copyright for each volume.

- Vol. 1232: P.C. Schuur, *Asymptotic Analysis of Soliton Problems*. VIII, 180 pages. 1986.
- Vol. 1233: *Stability Problems for Stochastic Models*. Proceedings, 1985. Edited by V.V. Kalashnikov, B. Penkov and V.M. Zolotarev. VI, 223 pages. 1986.
- Vol. 1234: *Combinatoire énumérative*. Proceedings, 1985. Edité par G. Labelle et P. Leroux. XIV, 387 pages. 1986.
- Vol. 1235: *Séminaire de Théorie du Potentiel*, Paris, No. 8. Directeurs: M. Brelot, G. Choquet et J. Dely. Rédacteurs: F. Hirsch et G. Mokobodzki. III, 209 pages. 1987.
- Vol. 1236: *Stochastic Partial Differential Equations and Applications*. Proceedings, 1985. Edited by G. Da Prato and L. Tubaro. V, 267 pages. 1987.
- Vol. 1237: *Rational Approximation and its Applications in Mathematics and Physics*. Proceedings, 1985. Edited by J. Gilewicz, M. Pindor and W. Siemaszko. XII, 350 pages. 1987.
- Vol. 1238: M. Holz, K.-P. Podewski and K. Steffens, *Injective Choice Functions*. VI, 183 pages. 1987.
- Vol. 1239: P. Vojtá, *Diophantine Approximations and Value Distribution Theory*. X, 132 pages. 1987.
- Vol. 1240: *Number Theory*, New York 1984–85. Seminar. Edited by D.V. Chudnovsky, G.V. Chudnovsky, H. Cohn and M.B. Nathanson. V, 324 pages. 1987.
- Vol. 1241: L. Gårding, *Singularities in Linear Wave Propagation*. III, 125 pages. 1987.
- Vol. 1242: *Functional Analysis II*, with Contributions by J. Hoffmann-Jørgensen et al. Edited by S. Kurepa, H. Kraljević and D. Butković. VII, 432 pages. 1987.
- Vol. 1243: *Non Commutative Harmonic Analysis and Lie Groups*. Proceedings, 1985. Edited by J. Carmona, P. Delorme and M. Vergne. V, 309 pages. 1987.
- Vol. 1244: W. Müller, *Manifolds with Cusps of Rank One*. XI, 158 pages. 1987.
- Vol. 1245: S. Rallis, *L-Functions and the Oscillator Representation*. XVI, 239 pages. 1987.
- Vol. 1246: *Hodge Theory*. Proceedings, 1985. Edited by E. Cattani, F. Guillén, A. Kaplan and F. Puerta. VII, 175 pages. 1987.
- Vol. 1247: *Séminaire de Probabilités XXI*. Proceedings. Edité par J. Azéma, P.A. Meyer et M. Yor. IV, 579 pages. 1987.
- Vol. 1248: *Nonlinear Semigroups, Partial Differential Equations and Attractors*. Proceedings, 1985. Edited by T.L. Gill and W.W. Zachary. IX, 185 pages. 1987.
- Vol. 1249: I. van den Berg, *Nonstandard Asymptotic Analysis*. IX, 187 pages. 1987.
- Vol. 1250: *Stochastic Processes – Mathematics and Physics II*. Proceedings 1985. Edited by S. Albeverio, Ph. Blanchard and L. Streit. VI, 359 pages. 1987.
- Vol. 1251: *Differential Geometric Methods in Mathematical Physics*. Proceedings, 1985. Edited by P.L. García and A. Pérez-Rendón. VII, 300 pages. 1987.
- Vol. 1252: T. Kaise, *Représentations de Weil et GL_2 Algèbres de division et GL_n* . VII, 203 pages. 1987.
- Vol. 1253: J. Fischer, *An Approach to the Selberg Trace Formula via the Selberg Zeta-Function*. III, 184 pages. 1987.
- Vol. 1254: S. Gelbart, I. Piatetski-Shapiro, S. Rallis. *Explicit Constructions of Automorphic L-Functions*. VI, 152 pages. 1987.
- Vol. 1255: *Differential Geometry and Differential Equations*. Proceedings, 1985. Edited by C. Gu, M. Berger and R.L. Bryant. XII, 243 pages. 1987.
- Vol. 1256: *Pseudo-Differential Operators*. Proceedings, 1986. Edited by H.O. Cordes, B. Gramsch and H. Widom. X, 479 pages. 1987.
- Vol. 1257: X. Wang, *On the C^* -Algebras of Foliations in the Plane*. V, 165 pages. 1987.
- Vol. 1258: J. Weidmann, *Spectral Theory of Ordinary Differential Operators*. VI, 303 pages. 1987.
- Vol. 1259: F. Cano Torres, *Desingularization Strategies for Three-Dimensional Vector Fields*. IX, 189 pages. 1987.
- Vol. 1260: N.H. Pavel, *Nonlinear Evolution Operators and Semigroups*. VI, 285 pages. 1987.
- Vol. 1261: H. Abels, *Finite Presentability of S-Arithmetic Groups*. Compact Presentability of Solvable Groups. VI, 178 pages. 1987.
- Vol. 1262: E. Hlawka (Hrsg.), *Zahlentheoretische Analysis II*. Seminar, 1984–86. V, 158 Seiten. 1987.
- Vol. 1263: V.L. Hansen (Ed.), *Differential Geometry*. Proceedings, 1985. XI, 288 pages. 1987.
- Vol. 1264: Wu Wen-tsun, *Rational Homotopy Type*. VIII, 219 pages. 1987.
- Vol. 1265: W. Van Assche, *Asymptotics for Orthogonal Polynomials*. VI, 201 pages. 1987.
- Vol. 1266: F. Ghione, C. Peskine, E. Sernesi (Eds.), *Space Curves*. Proceedings, 1985. VI, 272 pages. 1987.
- Vol. 1267: J. Lindenstrauss, V.D. Milman (Eds.), *Geometrical Aspects of Functional Analysis*. Seminar. VII, 212 pages. 1987.
- Vol. 1268: S.G. Krantz (Ed.), *Complex Analysis*. Seminar, 1986. VII, 195 pages. 1987.
- Vol. 1269: M. Shiota, *Nash Manifolds*. VI, 223 pages. 1987.
- Vol. 1270: C. Carasso, P.-A. Raviart, D. Serre (Eds.), *Nonlinear Hyperbolic Problems*. Proceedings, 1986. XV, 341 pages. 1987.
- Vol. 1271: A.M. Cohen, W.H. Hesselink, W.L.J. van der Kallen, J.R. Strooker (Eds.), *Algebraic Groups Utrecht 1986*. Proceedings. XII, 284 pages. 1987.
- Vol. 1272: M.S. Livšič, L.L. Waksman, *Commuting Nonselfadjoint Operators in Hilbert Space*. III, 115 pages. 1987.
- Vol. 1273: G.-M. Gruel, G. Trautmann (Eds.), *Singularities, Representation of Algebras, and Vector Bundles*. Proceedings, 1985. XIV, 383 pages. 1987.
- Vol. 1274: N. C. Phillips, *Equivariant K-Theory and Freeness of Group Actions on C^* -Algebras*. VIII, 371 pages. 1987.
- Vol. 1275: C.A. Berenstein (Ed.), *Complex Analysis I*. Proceedings, 1985–86. XV, 331 pages. 1987.
- Vol. 1276: C.A. Berenstein (Ed.), *Complex Analysis II*. Proceedings, 1985–86. IX, 320 pages. 1987.
- Vol. 1277: C.A. Berenstein (Ed.), *Complex Analysis III*. Proceedings, 1985–86. X, 350 pages. 1987.
- Vol. 1278: S.S. Koh (Ed.), *Invariant Theory*. Proceedings, 1985. V, 102 pages. 1987.
- Vol. 1279: D. Ieşan, *Saint-Venant's Problem*. VIII, 162 Seiten. 1987.
- Vol. 1280: E. Neher, *Jordan Triple Systems by the Grid Approach*. XII, 193 pages. 1987.
- Vol. 1281: O.H. Kegel, F. Menegazzo, G. Zacher (Eds.), *Group Theory*. Proceedings, 1986. VII, 179 pages. 1987.
- Vol. 1282: D.E. Handelman, *Positive Polynomials, Convex Integral Polytopes, and a Random Walk Problem*. XI, 136 pages. 1987.
- Vol. 1283: S. Mardešić, J. Segal (Eds.), *Geometric Topology and Shape Theory*. Proceedings, 1986. V, 261 pages. 1987.
- Vol. 1284: B.H. Matzat, *Konstruktive Galois-theorie*. X, 286 pages. 1987.
- Vol. 1285: I.W. Knowles, Y. Saitō (Eds.), *Differential Equations and Mathematical Physics*. Proceedings, 1986. XVI, 499 pages. 1987.
- Vol. 1286: H.R. Miller, D.C. Ravenel (Eds.), *Algebraic Topology*. Proceedings, 1986. VII, 341 pages. 1987.
- Vol. 1287: E.B. Saff (Ed.), *Approximation Theory*, Tampa. Proceedings, 1985–1986. V, 228 pages. 1987.
- Vol. 1288: Yu. L. Rodin, *Generalized Analytic Functions on Riemann Surfaces*. V, 128 pages. 1987.
- Vol. 1289: Yu. I. Manin (Ed.), *K-Theory, Arithmetic and Geometry*. Seminar, 1984–1986. V, 399 pages. 1987.

- Vol. 1290: G. Wüstholz (Ed.), Diophantine Approximation and Transcendence Theory. Seminar, 1985. V, 243 pages. 1987.
- Vol. 1291: C. Moeglin, M.-F. Vignéras, J.-L. Waldspurger, Correspondances de Howe sur un Corps p -adique. VII, 163 pages. 1987
- Vol. 1292: J.T. Baldwin (Ed.), Classification Theory. Proceedings, 1985. VI, 500 pages. 1987.
- Vol. 1293: W. Ebeling, The Monodromy Groups of Isolated Singularities of Complete Intersections. XIV, 153 pages. 1987.
- Vol. 1294: M. Queffélec, Substitution Dynamical Systems – Spectral Analysis. XIII, 240 pages. 1987.
- Vol. 1295: P. Lelong, P. Dolbeault, H. Skoda (Réd.), Séminaire d'Analyse P. Lelong – P. Dolbeault – H. Skoda. Seminar, 1985/1986. VII, 283 pages. 1987.
- Vol. 1296: M.-P. Malliavin (Ed.), Séminaire d'Algèbre Paul Dubreil et Marie-Paule Malliavin. Proceedings, 1986. IV, 324 pages. 1987.
- Vol. 1297: Zhu Y.-L., Guo B.-y. (Eds.), Numerical Methods for Partial Differential Equations. Proceedings. XI, 244 pages. 1987.
- Vol. 1298: J. Aguadé, R. Kane (Eds.), Algebraic Topology, Barcelona 1986. Proceedings. X, 255 pages. 1987.
- Vol. 1299: S. Watanabe, Yu.V. Prokhorov (Eds.), Probability Theory and Mathematical Statistics. Proceedings, 1986. VIII, 589 pages. 1988.
- Vol. 1300: G.B. Seligman, Constructions of Lie Algebras and their Modules. VI, 190 pages. 1988.
- Vol. 1301: N. Schappacher, Periods of Hecke Characters. XV, 160 pages. 1988.
- Vol. 1302: M. Cwikel, J. Peetre, Y. Sagher, H. Wallin (Eds.), Function Spaces and Applications. Proceedings, 1986. VI, 445 pages. 1988.
- Vol. 1303: L. Accardi, W. von Waldenfels (Eds.), Quantum Probability and Applications III. Proceedings, 1987. VI, 373 pages. 1988.
- Vol. 1304: F.O. Gouvêa, Arithmetic of p -adic Modular Forms. VIII, 121 pages. 1988.
- Vol. 1305: D.S. Lubinsky, E.B. Saff, Strong Asymptotics for Extremal Polynomials Associated with Weights on \mathbb{R} . VII, 153 pages. 1988.
- Vol. 1306: S.S. Chern (Ed.), Partial Differential Equations. Proceedings, 1986. VI, 294 pages. 1988.
- Vol. 1307: T. Murai, A Real Variable Method for the Cauchy Transform, and Analytic Capacity. VIII, 133 pages. 1988.
- Vol. 1308: P. Imkeller, Two-Parameter Martingales and Their Quadratic Variation. IV, 177 pages. 1988.
- Vol. 1309: B. Fiedler, Global Bifurcation of Periodic Solutions with Symmetry. VIII, 144 pages. 1988.
- Vol. 1310: O.A. Laudal, G. Pfister, Local Moduli and Singularities. V, 117 pages. 1988.
- Vol. 1311: A. Holme, R. Speiser (Eds.), Algebraic Geometry, Sundance 1986. Proceedings. VI, 320 pages. 1988.
- Vol. 1312: N.A. Shirokov, Analytic Functions Smooth up to the Boundary. III, 213 pages. 1988.
- Vol. 1313: F. Colonius, Optimal Periodic Control. VI, 177 pages. 1988.
- Vol. 1314: A. Futaki, Kähler-Einstein Metrics and Integral Invariants. IV, 140 pages. 1988.
- Vol. 1315: R.A. McCoy, I. Ntantu, Topological Properties of Spaces of Continuous Functions. IV, 124 pages. 1988.
- Vol. 1316: H. Korezlioglu, A.S. Ustunel (Eds.), Stochastic Analysis and Related Topics. Proceedings, 1986. V, 371 pages. 1988.
- Vol. 1317: J. Lindenstrauss, V.D. Milman (Eds.), Geometric Aspects of Functional Analysis. Seminar, 1986–87. VII, 289 pages. 1988.
- Vol. 1318: Y. Felix (Ed.), Algebraic Topology – Rational Homotopy. Proceedings, 1986. VIII, 245 pages. 1988
- Vol. 1319: M. Vuorinen, Conformal Geometry and Quasiregular Mappings. XIX, 209 pages. 1988.
- Vol. 1320: H. Jürgensen, G. Lallement, H.J. Weinert (Eds.), Semigroups, Theory and Applications. Proceedings, 1986. X, 416 pages. 1988.
- Vol. 1321: J. Azéma, P.A. Meyer, M. Yor (Eds.), Séminaire de Probabilités XXII. Proceedings. IV, 600 pages. 1988.
- Vol. 1322: M. Métivier, S. Watanabe (Eds.), Stochastic Analysis. Proceedings, 1987. VII, 197 pages. 1988.
- Vol. 1323: D.R. Anderson, H.J. Munkholm, Boundedly Controlled Topology. XII, 309 pages. 1988.
- Vol. 1324: F. Cardoso, D.G. de Figueiredo, R. Iório, O. Lopes (Eds.), Partial Differential Equations. Proceedings, 1986. VIII, 433 pages. 1988.
- Vol. 1325: A. Truman, I.M. Davies (Eds.), Stochastic Mechanics and Stochastic Processes. Proceedings, 1986. V, 220 pages. 1988.
- Vol. 1326: P.S. Landweber (Ed.), Elliptic Curves and Modular Forms in Algebraic Topology. Proceedings, 1986. V, 224 pages. 1988.
- Vol. 1327: W. Bruns, U. Vetter, Determinantal Rings. VII, 236 pages. 1988.
- Vol. 1328: J.L. Bueso, P. Jara, B. Torrecillas (Eds.), Ring Theory. Proceedings, 1986. IX, 331 pages. 1988.
- Vol. 1329: M. Alfaro, J.S. Dehesa, F.J. Marcellan, J.L. Rubio de Francia, J. Vinuesa (Eds.), Orthogonal Polynomials and their Applications. Proceedings, 1986. XV, 334 pages. 1988.
- Vol. 1330: A. Ambrosetti, F. Gori, R. Lucchetti (Eds.), Mathematical Economics. Montecatini Terme 1986. Seminar. VII, 137 pages. 1988.
- Vol. 1331: R. Bamón, R. Labarca, J. Palis Jr. (Eds.), Dynamical Systems, Valparaiso 1986. Proceedings. VI, 250 pages. 1988.
- Vol. 1332: E. Odell, H. Rosenthal (Eds.), Functional Analysis. Proceedings, 1986–87. V, 202 pages. 1988.
- Vol. 1333: A.S. Kechris, D.A. Martin, J.R. Steel (Eds.), Cabal Seminar 81–85. Proceedings, 1981–85. V, 224 pages. 1988.
- Vol. 1334: Yu.G. Borisovich, Yu. E. Gliklikh (Eds.), Global Analysis – Studies and Applications III. V, 331 pages. 1988.
- Vol. 1335: F. Guillén, V. Navarro Aznar, P. Pascual-Gainza, F. Puerta, Hypperrésolutions cubiques et descente cohomologique. XII, 192 pages. 1988.
- Vol. 1336: B. Helffer, Semi-Classical Analysis for the Schrödinger Operator and Applications. V, 107 pages. 1988.
- Vol. 1337: E. Sernesi (Ed.), Theory of Moduli. Seminar, 1985. VIII, 232 pages. 1988.
- Vol. 1338: A.B. Mingarelli, S.G. Halvorsen, Non-Oscillation Domains of Differential Equations with Two Parameters. XI, 109 pages. 1988.
- Vol. 1339: T. Sunada (Ed.), Geometry and Analysis of Manifolds. Proceedings, 1987. IX, 277 pages. 1988.
- Vol. 1340: S. Hildebrandt, D.S. Kinderlehrer, M. Miranda (Eds.), Calculus of Variations and Partial Differential Equations. Proceedings, 1986. IX, 301 pages. 1988.
- Vol. 1341: M. Dauge, Elliptic Boundary Value Problems on Corner Domains. VIII, 259 pages. 1988.
- Vol. 1342: J.C. Alexander (Ed.), Dynamical Systems. Proceedings, 1986–87. VIII, 726 pages. 1988.
- Vol. 1343: H. Ulrich, Fixed Point Theory of Parametrized Equivariant Maps. VII, 147 pages. 1988.
- Vol. 1344: J. Král, J. Lukeš, J. Netuka, J. Veselý (Eds.), Potential Theory – Surveys and Problems. Proceedings, 1987. VIII, 271 pages. 1988.
- Vol. 1345: X. Gomez-Mont, J. Seade, A. Verjovski (Eds.), Holomorphic Dynamics. Proceedings, 1986. VII, 321 pages. 1988.
- Vol. 1346: O. Ya. Viro (Ed.), Topology and Geometry – Rohlin Seminar. XI, 581 pages. 1988.
- Vol. 1347: C. Preston, Iterates of Piecewise Monotone Mappings on an Interval. V, 166 pages. 1988.
- Vol. 1348: F. Borceux (Ed.), Categorical Algebra and its Applications. Proceedings, 1987. VIII, 375 pages. 1988.
- Vol. 1349: E. Novak, Deterministic and Stochastic Error Bounds in Numerical Analysis. V, 113 pages. 1988.

-
- Vol. 1350: U. Koschorke (Ed.), *Differential Topology. Proceedings*, 1987. VI, 269 pages. 1988.
- Vol. 1351: I. Laine, S. Rickman, T. Sorvali, (Eds.), *Complex Analysis, Joensuu 1987. Proceedings*. XV, 378 pages. 1988.
- Vol. 1352: L.L. Avramov, K.B. Tchakerian (Eds.), *Algebra – Some Current Trends. Proceedings*, 1986. IX, 240 Seiten. 1988.
- Vol. 1353: I. Laine, S. Rickman, Ch.-I. Terng, *Critical Point Theory and Submanifold Geometry*. X, 272 pages. 1988.
- Vol. 1354: A. Gómez, F. Guerra, M.A. Jiménez, G. López (Eds.), *Approximation and Optimization. Proceedings*, 1987. VI, 280 pages. 1988.
- Vol. 1355: J. Bokowski, B. Sturmfels, *Computational Synthetic Geometry*. V, 168 pages. 1989.
- Vol. 1356: H. Volkmer, *Multiparameter Eigenvalue Problems and Expansion Theorems*. VI, 157 pages. 1988.
- Vol. 1357: S. Hildebrandt, R. Leis (Eds.), *Partial Differential Equations and Calculus of Variations*. VI, 423 pages. 1988.
- Vol. 1358: D. Mumford, *The Red Book of Varieties and Schemes*. V, 309 pages. 1988.
- Vol. 1359: P. Eymard, J.-P. Pier (Eds.), *Harmonic Analysis. Proceedings*, 1987. VIII, 287 pages. 1988.
- Vol. 1360: G. Anderson, C. Greengard (Eds.), *Vortex Methods. Proceedings*, 1987. V, 141 pages. 1988.
- Vol. 1361: T. tom Dieck (Ed.), *Algebraic Topology and Transformation Groups. Proceedings*, 1987. VI, 298 pages. 1988.
- Vol. 1362: P. Diaconis, D. Elworthy, H. Föllmer, E. Nelson, G.C. Papanicolaou, S.R.S. Varadhan. *École d'Été de Probabilités de Saint-Flour XV–XVII, 1985–87*. Editor: P.L. Hennequin. V, 459 pages. 1988.
- Vol. 1363: P.G. Casazza, T.J. Shura. *Tsirelson's Space*. VIII, 204 pages. 1988.
- Vol. 1364: R.R. Phelps, *Convex Functions, Monotone Operators and Differentiability*. IX, 115 pages. 1989.
- Vol. 1365: M. Giaquinta (Ed.), *Topics in Calculus of Variations. Seminar*, 1987. X, 196 pages. 1989.
- Vol. 1366: N. Levitt, *Grassmannians and Gauss Maps in PL-Topology*. V, 203 pages. 1989.
- Vol. 1367: M. Knebusch, *Weakly Semialgebraic Spaces*. XX, 376 pages. 1989.
- Vol. 1368: R. Hübl, *Traces of Differential Forms and Hochschild Homology*. III, 111 pages. 1989.
- Vol. 1369: B. Jiang, Ch.-K. Peng, Z. Hou (Eds.), *Differential Geometry and Topology. Proceedings*, 1986–87. VI, 366 pages. 1989.
- Vol. 1370: G. Carlsson, R.L. Cohen, H.R. Miller, D.C. Ravenel (Eds.), *Algebraic Topology. Proceedings*, 1986. IX, 456 pages. 1989.
- Vol. 1371: S. Glaz, *Commutative Coherent Rings*. XI, 347 pages. 1989.
- Vol. 1372: J. Azéma, P.A. Meyer, M. Yor (Eds.), *Séminaire de Probabilités XXIII. Proceedings*. IV, 583 pages. 1989.
- Vol. 1373: G. Benkart, J.M. Osborn (Eds.), *Lie Algebras, Madison 1987. Proceedings*. V, 145 pages. 1989.
- Vol. 1374: R.C. Kirby, *The Topology of 4-Manifolds*. VI, 108 pages. 1989.
- Vol. 1375: K. Kawakubo (Ed.), *Transformation Groups, Proceedings*, 1987. VIII, 394 pages. 1989.
- Vol. 1376: J. Lindenstrauss, V.D. Milman (Eds.), *Geometric Aspects of Functional Analysis. Seminar (GAFA) 1987–88*. VII, 288 pages. 1989.
- Vol. 1377: J.F. Pierce, *Singularity Theory, Rod Theory, and Symmetry-Breaking Loads*. IV, 177 pages. 1989.
- Vol. 1378: R.S. Rumely, *Capacity Theory on Algebraic Curves*. III, 437 pages. 1989.
- Vol. 1379: H. Heyer (Ed.), *Probability Measures on Groups IX. Proceedings*, 1988. VIII, 437 pages. 1989.
- Vol. 1380: H.P. Schlickewei, E. Wirsing (Eds.), *Number Theory, Ulm 1987. Proceedings*. V, 266 pages. 1989.
- Vol. 1381: J.-O. Strömberg, A. Torchinsky, *Weighted Hardy Spaces*. V, 193 pages. 1989.
- Vol. 1382: H. Reiter, *Metaplectic Groups and Segal Algebras*. XI, 128 pages. 1989.
- Vol. 1383: D.V. Chudnovsky, G.V. Chudnovsky, H. Cohn, M.B. Nathanson (Eds.), *Number Theory, New York 1986–88. Seminar*. V, 256 pages. 1989.
- Vol. 1384: J. Garcia-Cuerva (Ed.), *Harmonic Analysis and Partial Differential Equations. Proceedings*, 1987. VII, 213 pages. 1989.
- Vol. 1385: A.M. Anile, Y. Choquet-Bruhat (Eds.), *Relativistic Fluid Dynamics, Seminar 1987*. V, 308 pages. 1989.
- Vol. 1386: A. Bellén, C.W. Gear, E. Russo (Eds.), *Numerical Methods for Ordinary Differential Equations. Proceedings*, 1987. VII, 136 pages. 1989.
- Vol. 1387: M. Petković, *Iterative Methods for Simultaneous Inclusion of Polynomial Zeros*. X, 263 pages. 1989.
- Vol. 1388: J. Shinoda, T.A. Slaman, T. Tugué (Eds.), *Mathematical Logic and Applications. Proceedings*, 1987. V, 223 pages. 1989.
- Vol. 1389: E. Ballico, C. Ciliberto (Eds.), *Algebraic Curves and Projective Geometry. Proceedings*, 1988. V, 288 pages. 1989.
- Vol. 1000: *Second Edition*. H. Hopf, *Differential Geometry in the Large*. VII, 184 pages. 1989.
-