

terms of their further influence, or sometimes a paper that contains what we found a striking idea of his." Following a photograph and a biographical note, the editors provide a highly clear introduction to the research works of Jacob Wolfowitz. Most of his papers (not only those reprinted) are described to some degree in this introduction.

Sándor Csörgő (Szeged)

## Livres reçus par la rédaction

**Analytic Functions**, Proceedings of a Conference held in Kozubnik, Poland, April 19—25, 1979. Edited by L. Lawrinowicz (Lecture Notes in Mathematics, Vol. 798), 476 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 48,50.

**Approximation Methods for Navier-Stokes Problems**, Proceedings of the Symposium held by the International Union of Theoretical and Applied Mechanics (IUTAM) at the University of Paderborn, Germany, September 9—15, 1979. Edited by R. Rautmann (Lecture Notes in Mathematics, Vol. 771), XVI + 581 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 58,—.

R. Azencott—Y. Guivarc'h—R. F. Gundy, **Ecole d'Eté de Probabilités de Saint-Flour VIII, 1978**. Edité par P. L. Hennequin (Lecture Notes in Mathematics, Vol. 774), XIII + 334 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 34,50.

J. Bair—R. Fourneau, **Etude géométrique des espaces vectoriels II. Polyèdres et polytopes convexes** (Lecture Notes in Mathematics, Vol. 802), VII + 283 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 29,—.

K. W. Bauer—S. Ruscheweyh, **Differential operators for partial differential equations and function theoretic applications** (Lecture Notes in Mathematics, Vol. 791), V + 258 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 29,—.

**Bifurcation and Nonlinear Eigenvalue Problems**, Proceedings, Université de Paris XIII, Villetteuse, France, October 2—4, 1978. Edited by C. Bardos, J. M. Lazry, M. Schatzman (Lecture Notes in Mathematics, Vol. 782), VIII + 296 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 34,50.

**Burnside Groups**, Proceedings of a Workshop held at the University of Bielefeld, Germany, June—July 1977. Edited by J. L. Mennicke (Lecture Notes in Mathematics, Vol. 806), V + 274 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 29,—.

P. J. Cameron—J. H. Van Lint, **Graphs, codes and designs** (London Mathematical Society Lecture Note Series, 43), VII + 147 pages, Cambridge University Press, Cambridge—London—New York—Melbourne, 1980. — £ 8.25.

C. Constantinescu, **Duality in measure theory** (Lecture Notes in Mathematics, Vol. 796), IV + 197 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 25,—.

W. Dicks, **Groups, trees and projective modules** (Lecture Notes in Mathematics, Vol. 790), IX + 127 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 18,—.

A. Dinghas, **Wertverteilung meromorpher Funktionen in ein- und mehrfach zusammengehängen Gebieten**, herausgegeben von R. Nevanlinna und C. A. Cazacu (Lecture Notes in Mathematics, Vol. 783), XIII + 145 Seiten, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 21,50.

- Euclidean Harmonic Analysis**, Proceeding of Seminars held at the University of Maryland, 1979. Edited by J. J. Benedetto (Lecture Notes in Mathematics, Vol. 779), III+177 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 21,50.
- J. E. Fenstad**, General recursion theory. An axiomatic approach (Perspectives in Mathematical Logic), XI+225 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 78,—.
- K. Floret**, Weakly compact sets (Lecture Notes in Mathematics, Vol. 801), VII+123 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 18,—.
- J. Flum—M. Ziegler**, Topology model theory (Lecture Notes in Mathematics, Vol. 769), X+151 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 21,50.
- Fonctions de Plusieurs Variables Complexes IV**, Séminaire Francis Norguet Octobre 1977—Juin 1979. Édité par F. Norguet (Lecture Notes in Mathematics, Vol. 807), XI+198 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 25,—.
- J. Franklin**, Methods of mathematical economics. Linear and nonlinear programming, fixed-point theorems (Undergraduate Texts in Mathematics), X+297 pages, Springer-Verlag, New York—Heidelberg—Berlin, 1980. — DM 45,—.
- Functional Differential Equations and Bifurcation**, Proceedings of a Conference held at São Carlos, Brazil, July 2—7, 1979. Edited by A. F. Izé (Lecture Notes in Mathematics, Vol. 799), XII+409 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 43,50.
- Geometric Methods in Mathematical Physics**, Proceedings of an NSF-CBMS Conference held at the University Lowell, Massachusetts, March 19—23, 1979. Edited by G. Kaiser and J. E. Marsden (Lecture Notes in Mathematics, Vol. 755), VII+257 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 29,—.
- Geometrical Approaches to Differential Equations**, Proceedings of the Fourth Scheveningen Conference on Differential Equations, The Netherlands, August 26—31, 1979. Edited by R. Martini (Lecture Notes in Mathematics, Vol. 810), VII+339 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 34,50.
- Geometry and Differential Geometry**, Proceedings of a Conference held at the University of Haifa, Israel, March 18—23, 1979. Edited by R. Artzy and I. Vaisman (Lecture Notes in Mathematics, Vol. 792), VI+443 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 43,50.
- B. H. Gross**, Arithmetic on elliptic curves with complex multiplication (Lecture Notes in Mathematics, Vol. 776), V+95 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 18,—.
- I. Gumowski—C. Mira**, Recurrences and discrete dynamic systems (Lecture Notes in Mathematics, Vol. 809), VI+272 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 29,—.
- Harmonic Analysis**, Proceedings of a Conference held at the University of Crete, Iraklion, Greece, July 1978. Edited by N. Petridis, S. K. Pichorides, and N. Varopoulos (Lecture Notes in Mathematics, Vol. 781), V+213 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 25,—.
- M. Hestenes**, Conjugate direction methods in optimization (Applications of Mathematics, Vol. 12), X+325 pages, Springer-Verlag, New York—Heidelberg—Berlin, 1980. — DM 59,50.
- T. Hida**, Brownian motion (Applications of Mathematics, Vol. 11), translated from the Japanese by the Author and I. P. Speed, XVI+325 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 68,—.
- J. E. Humphreys**, Arithmetic groups (Lecture Notes in Mathematics, Vol. 789), VII+158 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 21,50.
- K. Jänich**, Topologie (Hochschultext), IX+215 Seiten, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 22,—.

- D. L. Johnson,** *Topics in the theory of group representations* (London Mathematical Society Lecture Note Series, 42), VII + 311 pages, Cambridge University Press, Cambridge—London—New York—Melbourne, 1980. — £ 14.—.
- C. Kosniowski,** *A first course in algebraic topology*, VIII + 269 pages, Cambridge University Press, Cambridge—London—New York—Melbourne, 1980. — £ 6.96.
- O. Kowalski,** *Generalized symmetric spaces* (Lecture Notes in Mathematics, Vol. 805), XII + 187 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 21,50.
- S. Lang,** *Cyclotomic fields. II* (Graduate Texts in Mathematics, Vol. 69), XI + 164 pages, Springer-Verlag, New York—Heidelberg—Berlin, 1980. — DM 39,50.
- J. P. Levine,** *Algebraic structure of knot modules* (Lecture Notes in Mathematics, Vol. 772), XI + 104 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 18,—.
- I. J. Maddox,** *Infinite matrices of operators* (Lecture Notes in Mathematics, Vol. 786), V + 122 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 18,—.
- F.-Y. Maeda,** *Dirichlet integrals on harmonic spaces* (Lecture Notes in Mathematics, Vol. 803), X + 180 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 21,50.
- S. Mäki,** *The determination of units in real cyclic sextic fields* (Lecture Notes in Mathematics, Vol. 797), III + 198 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 25,—.
- W. S. Massey,** *Singular homology theory* (Graduate Texts in Mathematics, Vol. 70), XII + 265 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 49,50.
- Mathematical Problems in Theoretical Physics.** Proceedings of the International Conference on Mathematical Physics held at Lausanne, Switzerland, August 20—25, 1979. Edited by K. Osterwalder (Lecture Notes in Physics, Vol. 116), VIII + 412 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 47,—.
- M. Matsuda,** *First order algebraic differential equations: A differential algebraic approach* (Lecture Notes in Mathematics, Vol. 804), VII + 111 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 18,—.
- G. Maury—J. Raynaud,** *Ordres maximaux au sens de K. Asano* (Lecture Notes in Mathematics, Vol. 808), VIII + 192 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 21,50.
- Measure Theory,** Proceedings of the Conference held at Oberwolfach, Germany, July 1—7, 1979. Edited by D. Kölzow (Lecture Notes in Mathematics, Vol. 794), XV + 573 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 58,50.
- S. G. Michlin—S. Prössdorf,** *Singuläre Integraloperatoren* (Mathematische Lehrbücher und Monographien. II. Abteilung: Mathematische Monographien, Bd. 52), XII + 514 Seiten, Akademie-Verlag, Berlin, 1980. — 96,— M.
- G. L. Naber,** *Topological methods in Euclidean spaces*, X + 230 pages, Cambridge University Press, Cambridge—London—New York—Melbourne, 1980. — £ 6.95.
- D. Normann,** *Recursion on the countable functionals* (Lecture Notes in Mathematics, Vol. 811), VIII + 191 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 21,50.
- Numerical Analysis,** Proceedings of the 8th Biennial Conference held at Dundee, Scotland, June 26—29, 1979. Edited by G. A. Watson (Lecture Notes in Mathematics, Vol. 773), X + 184 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 21,50.
- Potential Theory,** Proceedings of a Colloquium held in Copenhagen, May 14—18, 1979. Edited by C. Berg, G. Forst, and B. Fuglede (Lecture Notes in Mathematics, Vol. 787), VIII + 319 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 34,50.
- J. Renault,** *A groupoid approach to  $C^*$ -algebras* (Lecture Notes in Mathematics, Vol. 739), III + 160 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 21,50.

- K. A. Ross, Elementary analysis: The theory of calculus** (Undergraduate Texts in Mathematics), VIII+264 pages, Springer-Verlag, New York—Heidelberg—Berlin, 1980. — DM 38,—.
- W. Scharlau—H. Opolka, Von Fermat bis Minkowski**, Eine Vorlesung über Zahlentheorie und ihre Entwicklung, XI+224 Seiten, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 32,—.
- W. M. Schmidt, Diophantine approximation** (Lecture Notes in Mathematics, Vol. 785), X+299 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 34,50.
- L. Schwartz, Semi-martingales sur des variétés, et martingales conformes sur des variétés analytiques complexes** (Lecture Notes in Mathematics, Vol. 780), XV+132 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 18,—.
- Séminaire Bourbaki 1978/79. Exposés 525—542** (Lecture Notes in Mathematics, Vol. 770), IV+341 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 34,50.
- Séminaire d'Algèbre Paul Dubreil et Marie-Paule Malliavin**, Proceedings, Paris 1979. Édité par M. P. Malliavin (Lecture Notes in Mathematics, Vol. 795), V+433 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 43,50.
- Séminaire de Probabilités XIV, 1978/79**. Édité par J. Azéma et M. Yor (Lecture Notes in Mathematics, Vol. 784), VII+546 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 57,—.
- Séminaire sur les Singularités des Surfaces**, Centre de Mathématiques de l'École Polytechnique, Palaiseau 1976—1977. Édité par M. Demazure, H. Pinkham et B. Teissier (Lecture Notes in Mathematics, Vol. 777), IX+339 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 34,50.
- SK<sub>1</sub> von Schiefkörpern. Seminar Bielefeld-Göttingen, 1976**. Herausgegeben von P. Draxl and M. Kneser (Lecture Notes in Mathematics, Vol. 778), II+124 Seiten, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 18,—.
- Solitons**. Edited by R. K. Bullough and P. J. Caudrey (Topics in Current Physics, Vol. 17), XVIII+389 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 76,—.
- J. Stoer—R. Bulirsch, Introduction to numerical analysis**, IX+609 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 49,50.
- Topology Symposium**, Proceedings of a Symposium held at the University of Siegen, June 14—19, 1979. Edited by U. Koschorke and W. D. Neumann (Lecture Notes in Mathematics, Vol. 788), VIII+495 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 53,50.
- M. F. Vigneras, Arithmétique des algèbres de quaternions** (Lecture Notes in Mathematics, Vol. 800), VII+169 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 21,50.
- J. Weidmann, Linear operators in Hilbert spaces** (Graduate Texts in Mathematics, Vol. 68), translated from the German by J. Szücs, XIII+402 pages, Springer-Verlag, New York—Heidelberg—Berlin, 1980. — DM 68,—.
- A. T. Winfree, The geometry of biological time** (Biomathematics, Vol. 8), XIV+530 pages, Springer-Verlag, Berlin—Heidelberg—New York, 1980. — DM 59,50.
- J. Wolfowitz, Selected papers**. Edited by J. Kiefer, U. Augustin, L. Weiss, XXIII+642 pages, Springer-Verlag, New York—Heidelberg—Berlin, 1980. — DM 69,—.