

NEW PUBLICATIONS

PART I. PURE MATHEMATICS

- APPELL, P. *Analyse Mathématique. Vol. 2. Équations Différentielles. Développements en Séries. Nombres Complexes. Intégrales Multiples.* 5th edition completely revised. (Cours de Mathématiques Générales.) Paris, Gauthier-Villars, 1938. 305 pp.
- BAYLIS, C. A. See BENNETT, A. A.
- BENNETT, A. A., and BAYLIS, C. A. *Formal Logic. A Modern Introduction.* New York, Prentice-Hall, 1939. 18+407 pp.
- BÖHMER, P. E. *Differenzgleichungen und bestimmte Integrale.* Leipzig, Koehler, 1939. 8+149 pp.
- BOREL, É. *Valeur Pratique et Philosophie des Probabilités. (Traité du Calcul des Probabilités et de ses Applications, vol. 4, no. 3.)* Paris, Gauthier-Villars, 1939. 9+182 pp.
- BREMEKAMP, H. *Partiële Differentiaalvergelijkingen. (Verzameling van Wiskundige Werken, no. 20.)* Groningen, Noordhoff, 1939. 222 pp.
- BRICARD, R. See DUPORCQ, E.
- CASTELNUOVO, G. *Le Origini del Calcolo Infinitesimale nell'Èra Moderna. (Per la Storia e la Filosofia delle Matematiche. Collezione Promossa dall'Istituto Nazionale per la Storia delle Scienze, no. 12.)* Bologna, Zanichelli, 1938. 7+167 pp.
- CRISTESCU, V. *Culegere de Probleme de Trigonometrie. Part 2. Trigonometria Plana.* Bucarest, 1938. 10+138 pp.
- CURRIER, C. H., WATSON, E. E., and FRAME, J. S. *A Course in General Mathematics.* Revised edition. New York, Macmillan, 1939. 10+382 pp.
- DANTZIG, T. *Number, the Language of Science.* 3d edition. New York and London, Macmillan, 1939. 10+320 pp.
- DIEUDONNÉ, J. *La Théorie Analytique des Polynômes d'une Variable à Coefficients Quelconques. (Mémoires des Sciences Mathématiques, vol. 93.)* Paris, Gauthier-Villars, 1939. 76 pp.
- DUPORCQ, E. *Premiers Principes de Géométrie Moderne.* 3d edition, edited by R. Bricard. Paris, Gauthier-Villars, 1938. 178 pp.
- FRAME, J. S. See CURRIER, C. H.
- FULFORD, R. J. *Higher Certificate and Intermediate Tests in Mathematics.* London, University Tutorial Press, 1939. 90 pp.
- GRÜSS, G. *Variationsrechnung. Hochschulwissen in Einzeldarstellungen.* Leipzig, Quelle and Meyer, 1938. 8+247 pp.
- KOWALEWSKI, G. *Die klassischen Probleme der Analysis des Unendlichen.* 3d revised edition. Leipzig, Koehler, 1938. 8+404 pp.
- KRON, G. *Tensor Analysis of Networks.* New York, Wiley; London, Chapman and Hall, 1939. 24+635 pp.
- MOORE, E. H. *General Analysis. Part 2. The Fundamental Notions of General Analysis. (Memoirs of the American Philosophical Society, vol. 1, part 2.)* Philadelphia, American Philosophical Society, 1939. 6+255 pp.
- MORSE, M. *Functional Topology and Abstract Variational Theory. (Mémoires des Sciences Mathématiques, vol. 92.)* Paris, Gauthier-Villars, 1939. 84 pp.
- PACOTTE, J. *L'Espace Hermitien Quantique. (Actualités Scientifiques et Industrielles, no. 635.)* Paris, Hermann, 1938. 58 pp.

- RUTGERS, J. G. *Beknopte Analytische Meetkunde*. 2d edition. Groningen, Noordhoff, 1938. 472 pp.
- SCHOBLIK, F. *Die Fakultät und verwandte Funktionen*. Leipzig and Berlin, Teubner, 1939. 140 pp.
- SEIFERT, H., and THRELFALL, W. *Variationsrechnung im Grossen* (Theorie von Marston Morse). (Hamburger mathematische Einzelschriften, no. 24.) Leipzig and Berlin, Teubner, 1938. 115 pp.
- THRELFALL, W. See SEIFERT, H.
- VINCENSINI, P. *Corps Convexes. Séries Linéaires. Domaines Vectoriels*. (Mémorial des Sciences Mathématiques, vol. 94.) Paris, Gauthier-Villars, 1939. 64 pp.
- WATSON, E. E. See CURRIER, C. H.
- WEYL, H. *The Classical Groups. Their Invariants and Representations*. Princeton, University Press, 1939. 12+302 pp.
- WOODS, R. *Analytic Geometry*. New York, Macmillan, 1939. 14+294 pp.

PART II. APPLIED MATHEMATICS

- BLASCHKE, W. *Ebene Kinematik*. (Hamburger mathematische Einzelschriften, no. 25.) Leipzig and Berlin, Teubner, 1938. 56 pp.
- DE BROGLIE, L. *La Mécanique Ondulatoire des Systèmes de Corpuscules*. (Collection de Physique Mathématique, no. 5.) Paris, Gauthier-Villars, 1939. 6+223 pp.
- BURINGTON, R. S., and TORRANCE, C. C. *Higher Mathematics with Applications to Science and Engineering*. New York and London, McGraw-Hill, 1939. 14+844 pp.
- CASTLE, F. *Logarithmic and Other Tables: For Use at Examinations*. London, Macmillan, 1938. 34 pp.
- COMRIE, L. J. *Tables of $\tan^{-1}x$ and $\log(1+x^2)$ to Assist in the Calculation of Ordinates of a Pearson Type IV Curve*. (Tracts for Computers, no. 23.) Cambridge, University Press, 1938. 18 pp.
- CONNOR, L. R. *Statistics in Theory and Practice*. 3d edition. London, Pitman, 1938. 14+383 pp.
- COSTABEL, P. See VOLTERRA, V.
- COUNSON, L. *Quantum d'Action et Nombres Transcendants*. Paris, Gauthier-Villars, 1938. 92 pp.
- DURELL, F. *Mathematical Adventures*. Boston, Bruce Humphries, 1938. 157 pp.
- FISHER, R. A. *Statistical Methods for Research Workers*. (Biological Monographs and Manuals.) 7th edition, revised and enlarged. Edinburgh and London, Oliver and Boyd, 1938. 15+356 pp.
- HAMMER, F. See KEPLER, J.
- HOUEL, J. *Tables de Logarithmes à Cinq Décimales*. Paris, Gauthier-Villars, 1939. 48+118 pp.
- HUDSON, R. G. *The Engineer's Manual*. 2d edition. New York, Wiley; London, Chapman and Hall, 1939. 6+340 pp.
- KEPLER, J. *Gesammelte Werke*. Vol. 2. *Astronomiae pars Optica*. Edited by F. Hammer. Munich, Beck, 1939. 467 pp.
- MARBE, K. *Das Ausgleichsprinzip in der Statistik und verwandte Probleme*. Munich, Beck, 1938. 164 pp.
- MILLER, I. L., and RICHARDSON, C. H. *Business Mathematics*. 2d edition. New York, Van Nostrand, 1939. 12+352 pp.
- PUCHER, A. *Die Momenteneinflussfelder rechteckiger Platten*. (Deutscher Ausschuss für Eisenbeton, vol. 90.) Berlin, Ernst, 1938. 6+58 pp.

RICHARDSON, C. H. See MILLER, I. L.

SEGOND, J. *Logique du Pari*. (Actualités Scientifiques et Industrielles, no. 629.)

Paris, Hermann, 1938. 49 pp.

——— *Hasard et Contingence*. (Actualités Scientifiques et Industrielles, no. 628.)

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TORRANCE, C. C. See BURINGTON, R. S.

VOLTERRA, V. *Conférences sur quelques Questions de Mécanique et de Physique*

Mathématique. I. *Le Rotation des Corps dans lesquels Existent des Mouvements*

Internes. Edited by P. Costabel. (Collection de Physique Mathématique, no. 4.)

Paris, Gauthier-Villars, 1938. 8+84 pp.

WOLD, H. *A Study in the Analysis of Stationary Time Series*. Uppsala, Almqvist and

Wiksell, 1938. 214 pp.