

NEW PUBLICATIONS

PART I. PURE MATHEMATICS

- ANNUAIRE STATISTIQUE. Volume 51 (1935). Paris, Imprimerie Nationale, 1936. 168 pp.
- BAUSCHINGER (J.) and PETERS (J.). Logarithmisch-trigonometrische Tafeln mit acht dezimalstellen enthaltend die Logarithmen aller Zahlen von 1 bis 200,000 und die Logarithmen der trigonometrischen Funktionen für jede sexagesimalsekunde des Quadranten mit Unterstützung der preussischen Akademie der Wissenschaften in Berlin und der Akademie der Wissenschaften in Wien (Treitstiftung). Volume 1: Tafel der achtstelligen Logarithmen aller Zahlen von 1 bis 200,000. 2d edition. Leipzig, Engelmann, 1936.
- BISHOP (M.). Pascal, the life of genius. New York, Reynal and Hitchcock, 1936. 11+398 pp.
- CARTER (H. C.). College algebra. New York, Prentice-Hall, 1936. 10+234 pp.
- COOLEY (H. R.). See GRAHAM (P. H.).
- COURANT (R.). Differential and integral calculus. Volume 2. Translated by E. J. McShane. London and Glasgow, Blackie, 1936. 10+677 pp.
- COWLES (W. H. H.) and THOMPSON (J. E.). A text book of trigonometry for colleges and engineering schools. New York, van Nostrand, 1936. 10+373 pp.
- DAVIS (H. T.). The theory of linear operators from the standpoint of differential equations of infinite order. Bloomington, Ind., Principia Press, 1936. 14+628 pp.
- DUBOURDIEU (J.). Questions topologiques de géométrie différential. (Mémorial des Sciences Mathématiques, No. 78.) Paris, Gauthier-Villars, 1936. 63 pp.
- FRÉCHET (M.). Leçons sur les séries trigonométriques. (Les Cours de la Sorbonne.) Paris, Tournier and Constans, 1936. 62 pp.
- Théorie élémentaire des équations différentielles. Paris, Centre de Documentation Universitaire, 1936. 58 pp.
- GÖLDEL (R. W.). Die Lehre von der Identität in der deutschen Logik-Wissenschaft seit Lotze. (Studien und Bibliographie zur Gegenwartsphilosophie, No. 18.) Leipzig, Hirzel, 1935. 462 pp.
- GRAHAM (P. H.), JOHN (F. W.), and COOLEY (H. R.). Analytic geometry. New York, Prentice-Hall, 1936. 11+294 pp.
- JOHN (F. W.). See GRAHAM (P. H.).
- KRYJANOVSKY (D.). Éléments de la théorie des inégalités. Leningrad, Librairie Scientífico-technique et toutes librairies de l'URSS, 1936. 112 pp.
- McSHANE (E. J.). See COURANT (R.).
- MITRA (P. N.). Spherical trigonometry. Calcutta, University of Calcutta, 1935. 22+163 pp.
- PETERS (J.). See BAUSCHINGER (J.).
- PHILIP (M.). Mathematical analysis. New York, Longmans Green, 1936. 11+275 pp.

- RIVETT (F. A. J.). The groundwork of school geometry. London, Arnold, 1936. 128 pp.
- RUPEIKA (Z.). Didziosios P. Fermat'o teoremos irodymas. Kaunas Librairie Spindulio, 1934. 32 pp.
- SHIBLI (J.). Plane and spherical trigonometry, with applications. 2d edition. New York, Ginn, 1936. 12+242+94 pp.
- SINGH (A. N.). The theory and construction of non-differentiable functions. (Lucknow University Studies, No. 1.) Lucknow, Newul Kishore Press, 1935. 7+110 pp.
- THOMPSON (J. E.). See COWLES (W. H. H.).
- TÖLKE (F.). Besselsche und Hankelsche Zylinderfunktionen nullter bis dritter Ordnung vom Argument $r\sqrt{z}$. Stuttgart, Wittwer Verlag, 1936. 92 pp.

PART II. APPLIED MATHEMATICS

- APPLETON (E. V.). See JEANS (J.).
- AREND (J. P.). Atombildung und Erdgestaltung. Das kausalunitarische Weltbild. With a preface by E. Haarmann. Stuttgart, Enke, 1936. 15+101 pp.
- ARKADIEV (V.). Electromagnetic processes in metals. Part 2: The electromagnetic field. Moscow and Leningrad, Obedinennoe Nauchno-Tekhnicheskoe Izdatelstvo Glavnaia Redaktsia Energeticheskoe Literatury, 1936. 304 pp.
- BERG (E. J.). Heaviside's operational calculus: as applied to engineering and physics. (Electrical Engineering Texts.) 2d edition. New York and London, McGraw-Hill, 1936. 15+258 pp.
- BÖRNSTEIN (—). See LANDOLT (—).
- BOLL (M.). La chance et les jeux de hasard. Paris, Larousse, 1936. 382 pp.
- BRAGG (W.). See JEANS (J.).
- BRARD (R.) and GORCEIX (C.). Radiésthèse scientifique: Balance pendulaire de précision suivie du Journal de Laboratoire de 1935. 2d edition. Paris, Lechevalier, 1935. 277 pp.
- CRANZ (C.). Lehrbuch der Ballistik. Berlin, Springer, 1936. 12+292 pp.
- CRENSHAW (B. H.). See SIMPSON (T. M.).
- CULVER (C. A.). A textbook of physics: for students of science and engineering. New York, Macmillan, 1936. 10+816 pp.
- DEANS (W. M.). See EWALD (P. P.).
- DOUGALL (J.). See EWALD (P. P.).
- DOWSE (C. M.). See HOLZER (W.).
- EGGERT (J.). Einführung in die Röntgenphotographie. 6th edition. Leipzig, Hirzel, 1936. 217 pp.
- ELSASSER (W. M.). See L'INSTITUT HENRI POINCARÉ.
- EUCKEN (A.). See VON WEIZSÄCKER (C. F.).
- EWALD (P. P.), PÖSCHL (T.), and PRANDTL (L.). The physics of solids and fluids. With recent developments. Authorized translation by J. Dougall and W. M. Deans. 2d edition. London, Glasgow, and Bombay, Blackie, 1936. 13+396 pp.
- FISCHER (J.). Einführung in die klassische Elektrodynamik. Berlin, Springer, 1936. 8+199 pp.
- FRENKEL (J.). Wave mechanics: elementary theory. (International Series of

- Monographs on Physics.) 2d edition. London, Oxford University Press, 1936. 10+312 pp.
- GORCEIX (C.). See BRARD (R.).
- GRIMSEHL (E.). Lehrbuch der Physik. Edited by R. Tomaschek. Volume 1: Mechanik, Wärmelehre, Akustik. 9th edition. Leipzig, Teubner, 1936. 7+674 pp.
- HAARMANN (E.). See AREND (J. P.).
- HALDANE (J. B. S.). See JEANS (J.).
- HARDY (W. B.). Collected scientific papers. London, Cambridge University Press, 1936. 12+922 pp.
- HART (W. L.). Introduction to the mathematics of business. New York, Heath, 1936. 342 pp.
- HILDEBRANDT (J. H.). Solubility of nonelectrolytes. 2d edition. New York, Reinhold, 1936. 203 pp.
- HOLLMAN (H. E.). Physik und Technik der ultrakurzen Wellen. Volume 2: Die ultrakurzen Wellen in der Technik. Berlin, Springer, 1936. 8+306 pp.
- HOLZER (W.) and WEISSENBERG (E.). Foundations of short wave therapy: physics—technics—indications; an introduction to the physico-technical principles and medical applications of short electric waves, for physicians and biologists. Physics and technics, by W. Holzer; Medical applications, by E. Weissenberg. Translated by J. Wilson and C. M. Dowse. London, Hutchinson's Scientific and Technical Publications, 1935. 228 pp.
- HUXLEY (J.). See JEANS (J.).
- L'INSTITUT HENRI POINCARÉ, Annales de. Volume 5, No. 3: Quelques propriétés typiques des corps solides, by R. Peierls; No. 4: La structure des noyaux atomiques complexes, by W. M. Elsasser. Paris, Les Presses Universitaires de France, 1935. 85 pp.
- JEANS (J.), BRAGG (W.), APPLETON (E. V.), MELLANBY (E.), HALDANE (J. B. S.), and HUXLEY (J.). Scientific progress. New York, Macmillan, 1936. 210 pp.
- JORDAN (P.). Die Physik des 20. Jahrhunderts. Braunschweig, Vieweg, 1936. 143 pp.
- VON KRBEK (F.). Die Grundlagen der Quantenmechanik und ihre Mathematik. (Neue deutsche Forschungen, Abteilung Mathematik, volume 1.) Berlin, Junker and Dünhaupt, 1936. 63 pp.
- LABERENNE (P.). L'origine des mondes. Paris, Éditions Sociales Internationales, 1936. 320 pp.
- LANDOLT—BÖRNSTEIN. Physikalische-chemische Tabellen. 5th revised edition, edited by W. A. Roth and K. Scheel. Supplementary volume 3. Part 3, 1st half. 16+537 pp. Part 3, 2d half. 686 pp. Berlin, Springer, 1936.
- LEMON (H. B.). Cosmic rays thus far. London, Heinemann, 1936. 128 pp.
- LEVY (H.) and ROTH (L.). Elements of probability. Oxford, Clarendon Press; London, Oxford University Press, 1936. 10+200 pp.
- LOYARTE (R. G.). Fisica General. Volume 4. (Universidad Nacional de La Plata, Publicaciones de la Facultad de Ciencias Fisico-Matematicas.) La Plata, 1935. 8+547 pp.

- MAHLER (G.) and MAHLER (K.). *Physikalische Aufgabensammlung* (Sammlung Göschen, No. 243.) Berlin, de Gruyter, 1936. 128 pp.
- MAHLER (K.). See MAHLER (G.).
- MASSÉ (P.). *Hydrodynamique fluviale régimes variables*. (Actualités Scientifiques et Industrielles, No. 280; Théories mécaniques (hydrodynamique—acoustique), V.) Paris, Hermann, 1935. 89 pp.
- MELLANBY (E.). See JEANS (J.).
- MOULTON (F. R.). *Consider the heavens*. New York, Doubleday Doran, 1935. 9+332 pp.
- D'OCAGNE (M.). See VOLBERG (M.).
- PEIERLS (R.). See L'INSTITUT HENRI POINCARÉ.
- PHILIPP (K.). *Kernspektren*. (Hand- und Jahrbuch der chemischen Physik, volume 9, Section V.) Leipzig, Fock, 1937. 12+99 pp.
- PIRENIAN (Z. M.). See SIMPSON (T. M.).
- PLANCK (M.). *Vom Wesen der Willensfreiheit*. Leipzig, Barth, 1936. 30 pp.
- PÖSCHL (T.). See EWALD (P. P.).
- POIRÉE (J.). *La mécanique à la portée de tous* (cinématique, statique). Paris, Gauthier-Villars, 1936. 11+80 pp.
- PRANDTL (L.). See EWALD (P. P.).
- RETZOW (U.). *Elektrotechnik und Witterung*. Berlin, Springer, 1936. 121 pp.
- ROTH (L.). See LEVY (H.).
- ROTH (W. A.). See LANDOLT (—).
- RUDOLPH (H.). *Der Einfluss der Sonne auf den elektrischen und magnetischen Zustand der Erde*. Leipzig, Hillmann, 1936. 61 pp.
- SAGE (A.). *Une science de l'ordre est cachée dans le monde des nombres*. Paris, Librairie Nourry, 1936. 142 pp.
- SCHEEL (K.). See LANDOLT (—).
- SCHMIDT (E.). *Einführung in die technische Thermodynamik*. Berlin, Springer, 1936. 8+314 pp.
- SIMPSON (T. M.), PIRENIAN (Z. M.), and CRENSHAW (B. H.). *Mathematics of finance*, 2d edition. New York, Prentice-Hall, 1936. 13+330+126 pp.
- SMART (W. M.). *Textbook on spherical astronomy*. 2d edition. Cambridge, University Press, 1936. 12+430 pp.
- TOMASCHEK (R.). See GRIMSEHL (E.).
- VOLBERG (M.). *Promenade récréative au pays d'Einstein*. With a preface by M. d'Ocagne. Brussels, Librairie du Sphinx; Paris, Gauthier-Villars, 1936. 35 pp.
- WEISSENBERG (E.). See HOLZER (W.).
- VON WEIZSÄCKER (C. F.). *Die Atomkerne. Grundlagen und Anwendungen ihrer Theorie*. (Physik und Chemie und ihre Anwendungen in Einzeldarstellungen, volume 2.) Edited by A. Eucken and K. L. Wolf. Leipzig, Fock, 1937. 8+214 pp.
- WERNERS (P.). *Energieübertragung und -umwandlung mit Wechselstrom*. Leipzig and Berlin, Teubner, 1935. 8+204 pp.
- WILSON (J.). See HOLZER (W.).
- WOLF (K. L.). See VON WEIZSÄCKER (C. F.).