

## NEW PUBLICATIONS

## PART I. PURE MATHEMATICS

- ALLEN (E. S.). Plane trigonometry. 9+152 pp. Six-place tables. 5th edition. 23+156 pp. New York and London, McGraw-Hill, 1936.
- BORCHARDT (W. G.). A school certificate geometry. London, Rivingtons, 1936. 7+324 pp.
- BURT (C.). See HARTOG (P. J.).
- CATTO (W. S.) and WILLIAMS (F. J. H.). A modern elementary trigonometry. London, Bombay, and Sydney, Harrap, 1936. 263 pp.
- CAZALAS (E.). A travers les hyperspaces magiques. Brussels, Librairie du "Sphinx," 1936. 20 pp.
- CHILD (J. M.). Ratio, proportion and similar figures: a supplementary geometry. London, Macmillan, 1936. 3+44 pp.
- DRESDEN (A.). An invitation to mathematics. New York, Holt, 1936. 12+453 pp.
- VAN DRIEL (M.-J.). Magic squares of  $(2n+1)^2$  cells. With summary: Les carrés magiques impairs. London, Rider, 1936. 90 pp.
- DUE (L. C.). Die Brückenverbindungstheorie und ihre Anwendung zur Klasseneinteilung und Klassenzusammensetzung quadratischer Irrationalzahlen und binärer quadratischer Formen. Copenhagen, Levin and Munksgaard, 1936. 39 pp.
- EL-MILICK (M.). Éléments d'algèbre ornamentale. Paris, Dunod, 1936. 112 pp.
- FILSHIE (J. H.) and MCILROY (R. D.). The straight line and circle. London and Glasgow, Grant Educational Company, 1936. 5+153 pp.
- HAGGE (K.). See PETERMANN (B.).
- HARTOG (P. J.), RHODES (E. C.), and BURT (C.). The marks of examiners. (International Institute Examinations Inquiry.) New York, Macmillan, 1936. 19+344 pp.
- HILL (M. A.) and LINKER (J. B.). First year college mathematics. With tables. New York, Holt, 1936. 16+436+155 pp.
- KRAWTCHOUK (M.). Sur la résolution des équations linéaires différentielles et intégrales par la méthode des moments. Part 2. Kief, Académie des Sciences d'Ukraine, 1936. 212 pp.
- DE LANGE (D.). See WIJDENES (P.).
- LINKER (J. B.). See HILL (M. A.).
- MCILROY (R. D.). See FILSHIE (J. H.).
- NEVANLINNA (R.). Eindeutige analytische Funktionen. (Die Grundlehren der mathematischen Wissenschaften in Einzeldarstellungen, volume 46.) Berlin, Springer, 1936. 8+353 pp.
- PETERMANN (B.) and HAGGE (K.). Gewachsene Raumlehre. Freiburg, Herder, 1935. 11+164 pp.
- PRÜFER (H.). Projektive Geometrie. Leipzig, Noske, 1935. 8+314 pp.
- RHODES (E. C.). See HARTOG (P. J.).

- RUPEIKA (Z.). *Didzioji P. Fermat'o problema ir Jos Sprendimai*. Kaunas, Librairie Spindulio, 1935. 34 pp.
- SARTON (G.). *The study of the history of mathematics*. Cambridge, Harvard University Press, 1936. 6+113 pp.
- *The study of the history of science*. Cambridge, Harvard University Press, 1936. 75 pp.
- TELLING (H. G.). *The rational quartic curve in space of three and four dimensions: being an introduction to rational curves*. (Cambridge Tracts in Mathematics and Mathematical Physics, No. 34.) Cambridge, University Press, 1936. 8+78 pp.
- WIJDENES (P.) and DE LANGE (D.). *Vlakke Meetkunde*. Part 2. New edition. Groningen-Batavia, Noordhoff, 1936. 158 pp.
- WILLIAMS (F. J. H.). See CATTO (W. S.).
- YELDHAM (F. A.). *The teaching of arithmetic through four hundred years, 1535-1935*. London, Bombay, and Sydney, Harrap, 1936. 143 pp.

## PART II. APPLIED MATHEMATICS

- ABRAMSON (V.). See LYON (L. S.).
- BANNER (E. H. W.). See TURNER (H. C.).
- BAZZONI (C. H.). *Energy and matter: building blocks of the universe*. (The University Series: Highlights of Modern Knowledge.) New York, The University Society; London, Chapman and Hall, 1936. 10+137 pp.
- BEDEAU (F.). *Théorie du diffuseur (haut-parleur sans pavillon)*. (Actualités Scientifiques et Industrielles, No. 281; Théories mécaniques (hydrodynamique-acoustique), 6.) Paris, Hermann, 1935. 67 pp.
- BLIGH (N. M.). See EDSER (E.).
- BOUTRY (G.-A.). *Les phénomènes photoélectriques et leurs applications*. 1. Phénomènes photoémisifs. (Actualités Scientifiques et Industrielles, No. 312; Optique et radiations, 1.) Paris, Hermann, 1936. 2+100 pp.
- *Cellules photoémisives*. (Actualités Scientifiques et Industrielles, No. 313; Optique et radiations, 2.) Paris, Hermann, 1936. 2+58 pp.
- *Photoconductivité*. (Actualités Scientifiques et Industrielles, No. 336; Optique et radiations, 3.) Paris, Hermann, 1936. 2+84 pp.
- *Différences de potentiel photoélectriques*. (Actualités Scientifiques et Industrielles, No. 337; Optique et radiations, 4.) Paris, Hermann, 1936. 2+50 pp.
- *Photométrie photoélectrique (mesure des courants)*. (Actualités Scientifiques et Industrielles, No. 345; Optique et radiations, 5.) Paris, Hermann, 1936. 2+51 pp.
- *Photométrie photoélectrique (mesure des flux)*. (Actualités Scientifiques et Industrielles, No. 346; Optique et radiations, 6.) Paris, Hermann, 1936. 3+72 pp.
- BRIDGMAN (P. W.). *The nature of physical theory*. (Published on the Louis Clark Vanuxem Foundation.) Princeton, N. J., University Press; London, Oxford University Press, 1936. 6+138 pp.
- BROWN (F. G. W.). *Mathematics for technical students*. Parts 1 and 2. London, Macmillan, 1936. 10+274 pp.

- BRUNET (P.) and MIELI (A.). *Histoire des sciences: Antiquité.* (Bibliothèque Scientifique.) Paris, Payot, 1935. 1224 pp.
- CASPAR (M.), Herausgegeben von. *Bibliographia Kepleriana.* Ein Führer durch das gedruckte Schrifttum von Johannes Kepler. Im auftrag der Bayerischen Akademie der Wissenschaften. With the collaboration of Ludwig Rothenfelder. Munich, Beck, 1936.
- CHAMBERS (E. J.). *A first physics book.* London, Bell, 1936. 8+82 pp.
- COLIN (A.). See DUBRISAY (R.).
- DUBRISAY (R.). *Phénomènes colloïdaux.* (Collection Armand Colin, Section de Physique, No. 185.) Paris, Colin, 1936. 186 pp.
- EDSER (E.). *Heat for advanced students.* Revised edition by N. M. Bligh. London, Macmillan, 1936. 10+487 pp.
- FLINT (H. T.). *Geometrical optics.* London, Methuen, 1936. 9+266 pp.
- GUNTZ (A. A.). *Les responsabilités de la science.* Alger, Normandie, 1936.
- HERRMANN (I.). *Funktechnik.* (Sammlung Göschen, volume 888.) 3d revised edition. Berlin and Leipzig, de Gruyter, 1936. 144 pp.
- HEUSSEL (G.). *Elementare Elektrizitätslehre.* Part 3: *Das magnetische Feld.* Berlin, Heymanns, 1936. 231 pp.
- HITCHCOCK (F. L.) and ROBINSON (C. S.). *Differential equations in applied chemistry.* 2d edition, revised and enlarged. London, Chapman and Hall; New York, Wiley, 1936. 8+120 pp.
- HOLLMANN (H. E.). *Physik und Technik der ultrakurzen Wellen.* Volume 1: *Erzeugung ultrakurzwelliger Schwingungen.* Berlin, Springer, 1936. 9+326 pp.
- HULL (G. F.). *An elementary study of modern physics.* New York, Macmillan, 1936. 25+457 pp.
- JONES (B.). *Elements of practical aerodynamics.* New York, Wiley; London, Chapman and Hall, 1936. 5+398 pp.
- JULIEN (M.) and ROCARD (Y.). *La stabilité de route des locomotives, part 2.* (Actualités Scientifiques et Industrielles, No. 279.) Paris, Hermann, 1935. 74 pp.
- KAYE (G. W. C.) and LABY (T. H.). *Tables of physical and chemical constants and some mathematical functions.* 8th edition. London, New York, and Toronto, Longmans Green, 1936. 7+162 pp.
- KEPLER (J.). See CASPAR (M.).
- KOMMERELL (K.). *Das Grenzgebiet der elementaren und höheren Mathematik.* Leipzig, Lorentz, 1936. 8+249 pp.
- LABY (T. H.). See KAYE (G. W. C.).
- LANDOLT (M.). *Komplexe Zahlen und Zeiger in der Wechselstromlehre.* Berlin, Springer, 1936. 8+185 pp.
- LENARD (P.). *Deutsche Physik.* In 4 volumes. Volume 2. Munich, Lehmann, 1936. 271 pp.
- LIGHTY (L. C.). *Thermodynamics: the principles of thermodynamics and their application to engineering processes.* New York and London, McGraw-Hill, 1936. 295 pp.
- LONSDALE (K.). *Simplified structure factor and electron density formulae for the 230 space groups of mathematical crystallography.* (Published for the Royal Institution.) London, Bell, 1936. 7+181 pp.

- LYON (L. S.) and ABRAMSON (V.). The economics of open price systems. Washington, The Brookings Institution, 1936. 162 pp.
- McKENZIE (A. E. E.). Light. Cambridge, University Press, 1936. 10+178 pp.
- McMULLIN (D.) and PARKINSON (A. C.). An introduction to engineering mathematics. Cambridge, University Press, 1936. 8+266 pp.
- MALKIN (I.). Festigkeitsberechnung rotierender Scheiben. Berlin, Springer, 1935. 100 pp.
- MARGOLIS (L.). See SLADE (S.).
- MAYER (E.). Kleine Einführung in die Ostwald'sche Farbenlehre. Berlin-Schöneberg, Dähne Verlag, 1935. 32 pp.
- MEDWORTH (F.). Perspective. London, Chapman and Hall, 1936. 8+133 pp.
- MENZEL (D. H.). Stars and planets; exploring the universe. (The University Series: Highlights of Modern Knowledge.) New York, The University Society; London, Chapman and Hall, 1936. 7+121 pp.
- MIELI (A.). See BRUNET (P.).
- VON MISES (R.). Wahrscheinlichkeit Statistik und Wahrheit. Einführung in die neue Wahrscheinlichkeitslehre und ihre Anwendung. 2d edition. (Schriften zur Wissenschaftlichen Weltauffassung, volume 3.) Leipzig, and Vienna, Springer, 1936. 8+283 pp.
- PACOTTE (J.). La méthode dans la mécanique des quanta (axiomatique, déterminisme et représentations). (Actualités Scientifiques et Industrielles, No. 283; Exposés de Philosophie des Sciences, 6.) Paris, Hermann, 1935. 60 pp.
- PARKINSON (A. C.). See McMULLIN (D.).
- PEABODY (D.). The design of reinforced concrete structures. New York, Wiley; London, Chapman and Hall, 1936. 9+457 pp.
- PEARCE (W. E.). School physics. London, Bell, 1936. 8+366 pp.
- PERRIN (J.). Les atomes. (Nouvelle Collection Scientifique.) New edition. Paris, Alcan, 1936. 24+319 pp.
- PÖSCHL (T.). Lehrbuch der technischen Mechanik. Volume 2: Elementare Festigkeitslehre; zum Gebrauche bei Vorlesungen und zum Selbststudium. Berlin, Springer, 1936. 6+218 pp.
- PROCTOR (M.). Wonders of the sky. (Information Series.) London and New York, Warne, 1936. 96 pp.
- PUSCHMANN (G.). Die Grundzüge der technischen Wärmelehre. (Bibliothek der gesamten Technik, volume 233.) 5th edition. Leipzig, Jänecké, 1935. 271 pp.
- QUINTIN (M.). Activité et interaction ionique. Part 1: Exposé théorique. (Actualités Scientifiques et Industrielles, No. 309.) Paris, Hermann, 1935. 35 pp.
- RAMSEY (A. S.). Hydrostatics. Cambridge, University Press, 1936. 8+169 pp.
- REH (F.). Astronomy for the layman. New York and London, Appleton, 1936. 28+308 pp.
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- ROCARD (Y.). See JULIEN (M.).
- SCHAEFFER (A.). Welträtsel im Lichte der modernen Naturwissenschaften. Berlin, Schroeter, 1935. 92 pp.
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- University Series; Highlights of Modern Knowledge.) New York, The University Society; London, Chapman and Hall, 1936. 8+104 pp.
- SLADE (S.) and MARGOLIS (L.). Mathematics for technical and vocational schools. 2d edition. New York, Wiley; London, Chapman and Hall, 1936. 13+517 pp.
- SMITH (W. G.). Practical descriptive geometry. 4th edition. New York and London, McGraw-Hill, 1936. 10+275 pp.
- SORENSEN (H.). Statistics for students of psychology and education. New York and London, McGraw-Hill, 1936. 7+373 pp.
- TURNER (H. C.) and BANNER (E. H. W.). Electrical measurements in principle and practice. London, Chapman and Hall, 1935. 14+354 pp.
- VIGOUREUX (P.) and WEBB (C. E.). Principles of electric and magnetic measurements. Part 1: Electricity, by P. Vigoureux; Part 2: Magnetism, by C. E. Webb. (The Student's Physics, volume 7.) London, Glasgow, and Bombay, Blackie, 1936. 11+392 pp.
- WEBB (C. E.). See VIGOUREUX (P.).
- WHITBY (S. L.). A course in mathematics for craftsmen. Part 1. London, Pitman, 1936. 232 pp.
- WHITE (A. S.). General science physics. (Dent's Modern Science Series.) London, Dent, 1936. 8+364 pp.
- ZSCHOKKE (W.). Optik für Optiker. Aarau, Sauerländer, 1935. 297 pp.