

NEW PUBLICATIONS

PART I. PURE MATHEMATICS

- ANDRÉ-HESSÉ (G.). *Painlevé, grand savant, grand citoyen.* (Collection Faits et Gestes.) Paris, Correa, 1934. 46 pp.
- BAGGOTT (E. A.). See LEVY (H.).
- BELL (E. T.). *The search for truth.* Baltimore, Williams and Wilkins, 1934. 10+279 pp.
- BERKUT (V. V.), GOSTEV (I. I.), GOFNER (M. I.), and POPPEREK (G. A.). *Elements of higher mathematics.* Moscow, Cooperative Publishing House "Mir," 1933. 393 pp. (In Russian.)
- BETH (H. J. E.). *Inleiding tot de differentiaal-en integraalrekening.* Groningen, Noordhoff, 1934. 417 pp.
- COURANT (R.). *Differential and integral calculus.* Translated by E. F. McShane. Volume 1. London, Glasgow, and Bombay, Blackie, 1934. 13+568 pp.
- COURANT (R.) and HILBERT (D.). *Methods of mathematical physics.* Translated into Russian from the second German edition. Moscow and Leningrad, State Technical-Theoretical Publishing House, 1933.
- CUZMIN (S. O.). See HORT (W.).
- DELELLA (A.), compiled by. *Five place table of natural trigonometric functions to hundredths of a degree.* New York, Wiley, and London, Chapman and Hall, 1934. 5+45 pp.
- DICKSON (L. E.). *History of the theory of numbers.* Volumes I, II, III. Reprinted with the permission of the Carnegie Institution of Washington. New York, Stechert, 1934.
- GOFNER (M. I.). See BERKUT (V. V.).
- GOSTEV (I. I.). See BERKUT (V. V.).
- HAMLEY (H. R.). *Relational and functional thinking in mathematics.* New York, Teachers College, Columbia University, Bureau of Publications, 1934. 8+215 pp.
- HARDY (G. H.), LITTLEWOOD (J. E.), and PÓLYA (G.). *Inequalities.* Cambridge, University Press, 1934. 12+314 pp.
- HENRY (J.). *Short theory of equations.* Glasgow, the author, 1934. 40 pp.
- HILBERT (D.). See COURANT (R.).
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- JEANS (J.). *The new background of science.* 2d edition. Cambridge, University Press, and New York, Macmillan, 1934. 8+312 pp.
- LEVY (H.) and BAGGOTT (E. A.). *Numerical studies in differential equations.* Volume 1. London, Watts, 1934. 8+238 pp.
- LITTLEWOOD (J. E.). See HARDY (G. H.).
- MC SHANE (E. F.). See COURANT (R.).
- MELLONE (S. H.). *Elements of modern logic.* London, University Tutorial Press, 1934. 345 pp.

- MORE (L. T.). Isaac Newton, a biography. New York and London, Scribner, 1934. 13+675 pp.
- MORSE (M.). The calculus of variations in the large. (American Mathematical Society Colloquium Publications, volume 18.) New York, American Mathematical Society, 1934. 9+368 pp.
- NEUGEBAUER (O.). Vorlesungen über Geschichte der antiken mathematischen Wissenschaften. Band 1: Vorgriechische Mathematik. (Die Grundlehren der mathematischen Wissenschaften, Band 43.) Berlin, Springer, 1934. 12+212 pp.
- PALEY (R. E. A. C.) and WIENER (N.). Fourier transforms in the complex domain. (American Mathematical Society Colloquium Publications, volume 19.) New York, American Mathematical Society, 1934. 8+183 pp.
- PÓLYA (G.). See HARDY (G. H.).
- POPPEREK (G. A.). See BERKUT (V. V.).
- SALMON (G.). Treatise on higher plane curves. (Reprint of the 3d edition.) New York, Stechert, 1934.
- SIMONART (F.). Leçons d'algèbre supérieure. Louvain, Librairie Universitaire, et Paris, Gauthier-Villars, 1934. 321 pp.
- SPRAGUE (A. H.). Essentials of plane and analytic geometry. New York, Prentice-Hall, 1934. 10+228 pp.
- VERRIEST (G.). Evariste Galois et la théorie des équations algébriques. Louvain, chez l'auteur, et Paris, Gauthier-Villars, 1934. 58 pp.
- WEDDERBURN (J. H. M.). Lectures on matrices. (American Mathematical Society Colloquium Publications, volume 17.) New York, American Mathematical Society, 1934. 7+200 pp.
- WIENER (N.). See PALEY (R. E. A. C.).

PART II. APPLIED MATHEMATICS

- ALTSCHUL (E.). See BOWLEY (A. L.).
- BELL (R. P.). See FALKENHAGEN (H.).
- BEYER (K.). Die Statik im Eisenbetonbau. 2te vollständig neubearbeitete Auflage. Band 2. Berlin, Springer, 1934. Pp. 391-804.
- BILTZ (W.). Raumchemie der festen Stoffe. Leipzig, Voss, 1934. 10+338 pp.
- BOUTHILLON (L.) et GOUDONNET (M.). Les lois fondamentales de l'électricité. 2e édition. Volume 1. Paris, Gauthier-Villars, 1934. 15+305 pp.
- BOWLEY (A. L.). Grundzüge der mathematischen Ökonomik. Beiträge zur quantitativen Wirtschaftsforschung, herausgegeben von E. Altschul. Band 1. Leipzig, Buske, 1934. 128 pp.
- BREED (C. B.) and HOSMER (G. L.). The principles and practice of surveying. 4th edition. Volume 2: Higher surveying. New York, Wiley, and London, Chapman and Hall, 1934. 19+603 pp.
- BRITTON (H. T. S.). Conductometric analysis. London, Chapman and Hall, 1934. 11+178 pp.
- BROSE (H. L.). See SOMMERFELD (A.).
- COLONNETTI (G.). La statica delle costruzioni. Volume 2, parte 2. Torino, U.T.E.T., 1934.

- CROWTHER (J. A.). Ions, electrons and ionizing radiations. 6th edition. London, Arnold, 1934. 11+340 pp.
- DARMOIS (E.). Un nouveau corps simple, le deutérium ou hydrogène lourd. (Actualités Scientifiques et Industrielles, No. 121.) Paris, Hermann, 1934. 24 pp.
- DAVEY (W. P.). A study of crystal structure and its applications. (International Series in Physics.) New York and London, McGraw-Hill, 1934. 11+695 pp.
- DAVIS (R. E.) and others. Surveying. Theory and practice. New York and London, McGraw-Hill, 1934. 1066 pp.
- DEN HARTOG (J. P.). Mechanical vibrations. New York and London, McGraw-Hill, 1934. 402 pp.
- EBERHARD (C.), KOHLSCHÜTTER (A.), und LUDENDORFF (H.). Handbuch der Astrophysik. Band 5, 1te und 2te Hälfte: Das Sternsystem. 1er Teil. Berlin, Springer, 1932-33. 10+574+10+582 pp.
- VON ENGEL (A.) und STEENBECK (M.). Elektrische Gasentladungen: ihre Physik und Technik. Band 2: Entladungseigenschaften; technische Anwendungen. Berlin, Springer, 1934. 8+352 pp.
- FALKENHAGEN (H.). Electrolytes. Translated by R. P. Bell. (International Series of Monographs on Physics.) Oxford, Clarendon Press, and London, Oxford University Press, 1934. 16+348 pp.
- FRANK (N. H.). Introduction to mechanics and heat. New York, McGraw-Hill, 1934. 14+339 pp.
- FREEMAN (I. M.). See JOOS (G.).
- FRICKE (H.). Die im Innern erdähnliche Sonne: eine neue Anschauung von Aether, Schwerkraft und Sonne. Weimar, Borkmann, 1934. 74 pp.
- GOUDONNET (M.). See BOUTHILLON (L.).
- GRIMSEHL (E.). Lehrbuch der Physik. 6te Auflage, vollständig neubearbeitet von R. Tomaschek. Band 2. Teil 2. Leipzig, Teubner, 1934. 7+426 pp.
- GROSSMANN (E.). See WIEN (W.).
- GROSSMANN (K. H.). Elemente der elementaren Mechanik. Teil 1. Zurich, Grossmann, 1934. 100 pp.
- GURNEY (R. W.). Elementary quantum mechanics. Cambridge, University Press, 1934. 6+160 pp.
- HANFORD (H.). Practical and geometrical drawing. Book 1. (The Practical Workroom Series.) London, Toronto, Melbourne and Sydney, Cassell, 1934. 48 pp.
- HARMS (F.). See WIEN (W.).
- HOSMER (G. L.). See BREED (C. B.).
- HUNTER (R. F.). The electronic theory of chemistry: an introductory account. London, Arnold, 1934. 7+125 pp.
- JOOS (G.). Theoretical physics. Translated from the first German edition by I. M. Freeman. London, Glasgow and Bombay, Blackie, 1934. 23+748 pp.
- KOHLSCHEUTTER (A.). See EBERHARD (C.).
- KWAL (B.). Les bases physiques de la télévision. Paris, Chiron, 1934. 170 pp.
- LEMON (H. B.). From Galileo to cosmic rays. Chicago, University of Chicago Press, 1934. 11+450 pp.
- LINDSAY (R. B.). See STEWART (G. W.).

- LUDENDORFF (H.). See EBERHARD (C.).
- MARTIN (H.). See WIEN (W.).
- MEYER (P.). *Die motorische Kraft. Grundzüge einer Theorie der Bewegung.* Berlin, Schneider, 1934.
- PIGEAUD (G.). *Résistance des matériaux et élasticité. 2e édition. Tome I et Tome II.* Paris, Gauthier-Villars, 1934. 496+505 pp.
- PLAISANT (G.). *La terre ne bouge pas.* Lille, chez l'auteur, 1934. 31 pp.
- RICCI-MACCARINI (V.). *Trattato teoretico-pratico delle assicurazioni vita e del ramo vita.* Milano, U. Hoepli, 1934.
- RICHARDSON (C. H.). *An introduction to statistical analysis.* New York, Harcourt and Brace, 1934. 285 pp.
- ROBERTS (M.) and THOMAS (E. R.). *Newton and the origin of colours: a study of one of the earliest examples of scientific method. (Classics of Scientific Method.)* London, Bell, 1934. 8+133 pp.
- SCHIFFNER (V.). *Die Probleme des Raumes und der Zeit und die Vorstellung der realen Unendlichkeit.* Leipzig, Vogtländer, 1934. 175 pp.
- SCHMIDT (G.). See STEWART (G. W.).
- SCHMIDT (H.). See WIEN (W.).
- SOMMERFELD (A.). *Atomic structure and spectral lines. Translated from the fifth German edition by H. L. Brose. 3d edition, revised. Volume 1.* London, Methuen, 1934. 11+675 pp.
- STEENBECK (M.). See VON ENGEL (A.).
- STEWART (G. W.) und LINDSAY (R. B.). *Akustik. Autorisierte Übersetzung von G. Schmidt.* Berlin, Heymann, 1934. 388 pp.
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- THOMAS (E. R.). See ROBERTS (M.).
- TOMASCHEK (R.). See GRIMSEHL (E.).
- TRENDELENBURG (F.). *Fortschritte der physikalischen und technischen Akustik. 2te erweiterte und ergänzte Auflage.* Leipzig, Akademische Verlagsgesellschaft, 1934. 209 pp.
- VALLÉE (E. A.). *Révolution de la physico-mécanique classique actuelle.* Poitiers, Société Française d'Imprimerie et de Librairie, 1933. 4 pp.
- VIOLETTE (—). *La géométrie et les instruments d'optique.* Paris, Berger-Levrault, 1934.
- WIEN (W.) und HARMS (F.), herausgegeben von. *Handbuch der Experimentalphysik. Band 17, Teil 1: Schwingungs- und Wellenlehre, Ultraschallwellen.* Bearbeitet von E. Grossmann, H. Martin, H. Schmidt. Leipzig, Akademische Verlagsgesellschaft, 1934. 10+561 pp.
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- WOOD (A.). *Joule and the study of energy. (Classics of Scientific Method.)* London, Bell, 1934. 88 pp.