

## NEW PUBLICATIONS

## PART I. PURE MATHEMATICS

- DE ALMEIDA E VASCONCELLOS (F.). História das matemáticas na antiguidade. Lisboa, 1931.
- BANACH (S.). Théorie des opérations linéaires. (Monografie Matematyczne, I.) Warsaw, Mathematical Seminar of the University of Warsaw, 1932. 8+252 pp.
- BESICOVITCH (A. S.). Almost periodic functions. Cambridge, University Press, 1932. 13+180 pp.
- BIEBERBACH (L.). Analytische Geometrie. 2te verbesserte und vermehrte Auflage. Leipzig, Teubner, 1932. 6+141 pp.
- BOREL (E.) et DELTHEIL (R.). La géométrie et les imaginaires. Paris, Albin Michel, 1932. 310 pp.
- BOSANQUET (B.). Logic; or, the morphology of knowledge. 2d edition. 2 volumes. Oxford, Clarendon Press, 1932.
- BROWN (W. L.). Related mathematics. New York, Wiley, 1932.
- BURKE (J. B.). The mystery of life. London, Elkin Mathews and Marrot, 1931. 160 pp.
- CARROLL (L.). Catalogue of an exhibition at Columbia University to commemorate the one hundredth anniversary of the birth of Lewis Carroll (Charles Lutwidge Dodgson) 1832-1898. New York, Columbia University Press, 1932. 153 pp.
- DEDEKIND (R.). Gesammelte mathematische Werke. Herausgegeben von R. Fricke, E. Noether, O. Ore. Band 3. Braunschweig, Vieweg, 1932. 508 pp.
- DELTHEIL (R.). See BOREL (E.).
- DURELL (C. V.). Advanced algebra. Volume 1. London, Bell, 1932. 8+193+22 pp.
- FRICKE (R.). See DEDEKIND (R.).
- GANGUILLET (V.). Ueber multiplikatorisch periodische Funktionen. (Dissertation, Zürich.) Zürich, 1931. 33 pp.
- GÖLZ (A.). Ueber die hyperbolischen Eckpunkte bei Normalpolygonen Fuchs'scher Gruppen mit Angabe einiger Beispiele. (Dissertation, Zürich.) Zürich, 1931. 60 pp.
- HEMMINGS (F. J.). The teaching of arithmetic and elementary mathematics. London and Glasgow, Blackie, 1932. 7+156 pp.
- HERBENER (E.). Ueber Kongruenz- und Transformationsgruppen und definite Hermite'sche Formen im Körper  $k(\sqrt{-1})$ . (Dissertation, Zürich.) Zürich, 1930.
- HOSTINSKY (B.). Méthodes générales du calcul des probabilités. (Mémorial des Sciences Mathématiques, No. 52.) Paris, Gauthier-Villars, 1931. 66 pp.
- INTERNATIONAL MATHEMATICAL CONGRESS. Atti del Congresso Internazionale dei Matematici, Bologna, 3-10 Settembre 1928. Tomo IV e tomo V. Bologna, Zanichelli, 1932. 429+494 pp.
- JONES (S. I.). Mathematical nuts for lovers of mathematics. Nashville, published by the author, 1932. 12+340 pp.

- KAMKE (E.). Einführung in die Wahrscheinlichkeitstheorie. Leipzig, Hirzel, 1932. 8+182 pp.
- KNOPP (K.). Aufgabensammlung zur Funktionentheorie. 2te verbesserte Auflage. Teil II. (Sammlung Göschen.) Berlin, de Gruyter, 1932. 138 pp.
- LANE (E. P.). Projective differential geometry of curves and surfaces. Chicago, University of Chicago Press, 1932. 12+321 pp.
- LAPLACE (P. S.). Philosophische Versuch über die Wahrscheinlichkeit. (Ostwalds Klassiker der Exakten Wissenschaften.) Leipzig, Akademische Verlagsgesellschaft, 1932. 8+212 pp.
- LEHMANN (G. A.). Ueber die Koeffizienten in den Substitutionen der Zerlegungs-, Trägheits- und Verzweigungsgruppen. (Dissertation, Zürich.) Zürich, 1931. 75 pp.
- LOCHER (L.). Ueber Gruppen konformer Raumabbildungen und Modulfunktionen des Raumes. (Dissertation, Zürich.) Zürich, 1930. 26 pp.
- LONDON MATHEMATICAL SOCIETY. Notes on the preparation of mathematical papers. London, Hodgson, 1932. 19 pp.
- MICHEL (C.). Compléments de géométrie moderne. Paris, Vuibert, 1932. 320 pp.
- MOORE (R. L.). Foundations of point set theory. (American Mathematical Society Colloquium Publications, volume 13.) New York, American Mathematical Society, 1932. 8+486 pp.
- MÜLLER (M.). Individualité, causalité, indéterminisme. Paris, Alcan, 1932. 204 pp.
- NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS. Fifth yearbook: The teaching of geometry. Sixth yearbook: Mathematics in modern life. Seventh yearbook: The teaching of algebra. New York, Teachers College, Columbia University, 1930, 1931, 1932. 12+206+13+126+179 pp.
- NESSI (A.) et NISOLLE (L.). Calcul graphomécanique. Appareils pour le calcul mécanique de l'intégrale du produit de deux fonctions. Paris, Dunod, 1932.
- NILLUS (P.). Leçons de calcul vectoriel. Paris, Eyrolles, 1931. 347 pp.
- NISOLLE (L.). See NESSI (A.).
- NOETHER (E.). See DEDEKIND (R.).
- ORE (O.). See DEDEKIND (R.).
- REIDEMEISTER (K.). Einführung in die kombinatorische Topologie. Braunschweig, Vieweg, 1932. 12+209 pp.
- RITT (J. F.). Differential equations from the algebraic standpoint. (American Mathematical Society Colloquium Publications, volume 14.) New York, American Mathematical Society, 1932. 10+172 pp.
- ROHRBERG (A.). Algebra. Oberstufe. München, Oldenbourg, 1931. 6+200 pp.
- RUTHERFORD (D. E.). Modular invariants. (Cambridge Tracts, No. 27.) Cambridge, University Press, 1932. 8+84 pp.
- SARASIN (M. L.). Ueber linear gebrochene Quaternionensubstitutionen und die Abbildungen des Hyperraumes. (Dissertation, Zürich.) Zürich, 1930. 43 pp.
- SKINNER (E. B.). Introduction to trigonometry and analytic geometry. New York, Macmillan, 1932. 189 pp.
- STEIN (J.). Eine neue Darstellung aller rationalen Zahlen, einschliesslich der komplexen Zahlen und der Zahl unendlich. Hamburg, Lütcke und Wulff, 1932. 16 pp.

- THUENER (M. D.). On the number and reality of the self-symmetric quadrilaterals in- and circumscribed to the triangular-symmetric rational quartic. (Dissertation, Catholic University.) Washington, Catholic University of America, 1932. 19 pp.

## PART II. APPLIED MATHEMATICS

- AHLBERG (H.). Festigkeitslehre in elementarer Darstellung mit zahlreichen, der Praxis entnommenen Beispielen. 9te verbesserte Auflage. Leipzig, Jänecke, 1932. 153 pp.
- ALBERTI (E.). Braunsche Kathodenstrahlröhren und ihre Anwendung. Berlin, Springer, 1932. 7+214 pp.
- ALLCUT (E. A.) and MILLER (E.). Materials and their application to engineering design. 2d edition. London, Charles Griffin, 1932. 533 pp.
- ALLEN (H. S.). Electrons and waves. An introduction to atomic physics. London, Macmillan, 1932. 8+336 pp.
- ANDRADE (E.). Le mécanisme de la nature. Traduit de l'anglais par G. Malgorn. Paris, Dunod, 1932. 163 pp.
- BARNECK (A.). Die Grundlagen unserer Zeitrechnung. 2te Auflage. (Mathematisch-Physikalische Bibliothek.) Leipzig, Teubner, 1932. 49 pp.
- BARRACLOUGH (F.) and HOLMYARD (E. J.). Mechanics for beginners. London, Dent, 1931. 8+214 pp.
- BIGGS (E.). Elementary chemical calculations. London and Glasgow, Blackie, 1932. 80 pp.
- BOLL (M.). Exposé électronique des lois de l'électricité. Paris, Hermann, 1932. 72 pp.
- L'idée générale de la mécanique ondulatoire et de ses premières applications. Paris, Hermann, 1932. 74 pp.
- BRELOT (M.). Etude de l'équation de la chaleur  $\Delta u = c(M)$ ,  $c(M) \geq 0$ , au voisinage d'un point singulier du coefficient. (Dissertation, Paris.) Paris, 1931. 95 pp.
- BRINKMAN (H. C.). Zur Quantenmechanik der Multipolstrahlung. (Dissertation, Utrecht.) Groningen, Noordhoff, 1932.
- DE BROGLIE (L.). Sur une forme plus restrictive des relations d'incertitude d'après MM. Landau et Peierls. (Exposés de Physique Théorique, I.) Paris, Hermann, 1932. 24 pp.
- La théorie de la quantification dans la nouvelle mécanique. Paris, Hermann, 1932. 8+250 pp.
- BROWN (E. W.). Elements of the theory of resonance. Illustrated by the motion of a pendulum. Cambridge, University Press, 1932. 4+60 pp.
- BUCKLEY (A.) and MACDERMOTT (C. F. G.). Elementary mechanics. London, Bell, 1932. 8+216+19 pp.
- CARRELLI (A.). La teoria quantistica. Roma, Scuola Tipografica Pio X, 1931. 200 pp.
- CORPS (—). Ce qu'il faut penser de la théorie d'Einstein. Paris, Librairie d'Action Française, 1932.
- COUDERC (P.). Dans le champ solaire. Paris, Gauthier-Villars, 1932. 7+237 pp.
- CRATHORNE (A. R.). See RIETZ (H. L.).
- CROWTHER (J. G.). Osiris and the atom. London, Routledge, 1932. 8+221 pp.

- CURETON (E. E.) and DUNLAP (J. W.). C-D correlation chart. New York, Macmillan, 1932. 25 sheets.
- CURIE (I.) et JOLIOT (F.). Le projection de noyaux atomiques par un rayonnement très pénétrant. L'existence du neutron. (Exposés de Physique Théorique, II.) Paris, Hermann, 1932. 22 pp.
- DARMOIS (E.). L'hydrogène est un mélange; ortho- et parahydrogène. Paris, Hermann, 1931. 24 pp.
- DEMOLON (A.). La dynamique du sol. Paris, Dunod, 1932.
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- DUNLAP (J. W.) and KURTZ (A. K.). Handbook of statistical nomographs, tables, and formulas. Yonkers, World Book Company, 1932. 10+164 pp.
- EGGERT (J.). Physical chemistry. Translated by S. J. Gregg. A translation of the third edition of "Lehrbuch der physikalischen Chemie," revised in collaboration with L. Hock. London, Constable, 1932. 11+632 pp.
- EVERSHED (W. L.). Quantity surveying for builders. A text-book for surveyors, civil engineers, builders and contractors. London, Chapman and Hall, 1932. 19+278 pp.
- FISHENDEN (M.) and SAUNDERS (O. A.). The calculation of heat transmission. London, H. M. Stationery Office, 1932. 12+280 pp.
- FOCH (A.). Introduction à la mécanique des fluides. Paris, Armand Colin, 1932. 200 pp.
- FUSCALDO (O.). Les moteurs à deux temps rapides à explosion et à combustion. Paris, Dunod, 1932. 112 pp.
- GREGG (S. J.). See EGGERT (J.).
- HAUFFE (G.). Ortskurven der Starkstromtechnik. Einführung in ihre Theorie und Anwendung. Berlin, Springer, 1932. 174 pp.
- HEDGES (E. S.). Liesegang rings and other periodic structures. London, Chapman and Hall, 1932. 8+122 pp.
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- KEAL (H. M.), and others. The slide rule. New York, Wiley, 1932.
- KEARTON (W. J.) and WOOD (G.). Alignment charts for engineers and students. 2d edition. London, Charles Griffin, 1932. 228 pp.
- KERMODE (A. C.). An introduction to aeronautical engineering. Volume 1: Mechanics of flight. London, Gale and Polden, 1932. 223 pp.
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- KOHLRAUSCH (F.). Kleiner Leitfaden der praktischen Physik. 5te Auflage neu bearbeitet von F. Krüger. Leipzig, Teubner, 1932. 27+498 pp.
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- KURTZ (A. K.). See DUNLAP (J. W.).
- LAFITTE (J.). Réflexions sur la science des machines. Paris, Bloud et Gay, 1932. 164 pp.
- LEE (D. H.). Graphs for engineers and architects. London, Spon, 1932. 96 pp.
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- MALGORN (G.). See ANDRADE (E.).

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- MARCUS (H.). *Die Theorie elastischer Gewebe und ihre Anwendungen auf die Berechnung biegsamer Platten*. 2te, verbesserte Auflage. Band 1. Berlin, Springer, 1932. 8+368 pp.
- MARSHALL (C. F. D.). *The motion of railway vehicles on a curved line. With an appendix dealing with the curving of road vehicles*. London, The Railway Engineer, 1932. 41 pp.
- MICHEL (F.). *Lärm und Resonanzschwingungen im Kraftwerksbetrieb infolge periodischer Strömungsvorgänge*. Berlin, Verein Deutscher-Ingenieure, 1932. 84 pp.
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- MOLESWORTH (G. L.). *Weights, measures and decimal tables*. London, Spn, 1932. 142 pp.
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- VON NEUMANN (J.). *Mathematische Grundlagen der Quantenmechanik*. (Die Grundlagen der Mathematischen Wissenschaften, Band 38.) Berlin, Springer, 1932. 262 pp.
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- OLLENDORFF (F.). *Potentialfelder der Elektrotechnik*. Berlin, Springer, 1932. 8+395 pp.
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- PAPPERITZ (E.). See ROHN (K.).
- PERRIN (F.). *Fluorescence. Durée élémentaire d'émission lumineuse*. Paris, Hermann, 1931. 45 pp.
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- RIETZ (H. L.), CRATHORNE (A. R.), and RIETZ (J. C.). *Mathematics of finance*. Revised edition. New York, Holt, 1932. 16+346 pp.
- RIETZ (J. C.). See RIETZ (H. L.).
- ROHN (K.) und PAPPERITZ (E.). *Lehrbuch der darstellenden Geometrie*. 4te Auflage. 1ter und 2ter Band. Berlin, de Gruyter, 1932. 20+502+6+194 pp.
- SAUNDERS (O. A.). See FISHENDEN (M.).
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- TENOT (A.). Turbines hydrauliques et régulateurs automatiques de vitesse. Livre 2. Paris, Eyrolles, 1932. 8+619 pp.
- THORPE (F. J.). The Faraday books of practical science. Book 5: Light and sound. London, Oxford University Press, 1932. 110 pp.
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- TURNER (A. D.). Applied building mechanics. Examples of the use of calculated work in building design. Bristol, J. Wright, and London, Simpkin Marshall, 1932. 209 pp.
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- WEDMORE (E. B.) and REYNER (J. H.). Radio engineering. London, Ernest Benn, 1932.
- WEST (W.). Acoustical engineering. The theory of sound and its applications to telephone and architectural engineering and to acoustical measurements and research. London, Pitman, 1932. 11+338 pp.
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