

## NEW PUBLICATIONS

## PART I. PURE MATHEMATICS

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- BELL (E. T.). The queen of the sciences. (Century of Progress Series, No. 1.) Baltimore, Williams and Wilkins, 1931.
- BOWMAN (F.). Elementary calculus. London and New York, Longmans Green, 1931. 7+286 pp.
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- BURKE (J. B.). The emergence of life. Being a treatise on mathematical philosophy and symbolic logic by which a new theory of space and time is evolved. London and New York, Oxford University Press, 1931. 10+396 pp.
- CANDIDO (G.). Applicazioni delle funzioni  $U_n$  e  $V_n$  di Lucas all'analisi indeterminata. Galatina, Marra e Lanza, 1930.
- CARD (E.) and PARKINSON (A. C.). Logarithms for the use of students in all branches of elementary mathematics and in connection with commercial and technical examinations. 2d edition. London, Pitman, 1931. 7+77 pp.
- CROSLAND (L.). First ideas in the calculus. Boston and London, Ginn, 1931. 11+132 pp.
- DEVRESSE (A.). Les coordonnées tangentiellees en géométrie analytique plane. Bruxelles, De Broeck, 1932. 61 pp.
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- DOUGALL (J.), arranged by. Four-figure mathematical tables. London, Blackie, 1931. 32 pp.
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- HARTSHORNE (C.). See PEIRCE (C. S.).
- JEFFREYS (H.). Cartesian tensors. Cambridge, University Press, and New York, Macmillan, 1931. 7+93 pp.

- KOGBETLIANTZ (E.). Sommation des séries et intégrales divergentes par les moyennes arithmétiques et typiques. (Mémorial des Sciences Mathématiques, No. 51.) Paris, Gauthier-Villars, 1931.
- LENNES (N. J.). Differential calculus. New York, Harper, 1931. 13+471 pp.
- LIEBER (H. G.). See LIEBER (L. R.).
- LIEBER (L. R.). Non-euclidean geometry or three moons in mathesis. With drawings by H. G. Lieber. New York, the author (258 Clinton Avenue, Brooklyn), 1931. 34 pp.
- LONGLEY (W. R.). See SMITH (P. F.).
- MARGOULIS (W.). Les abaques à transparent orienté ou tournant. Théorie générale de la représentation plane des équations, applications à l'art de l'ingénieur. Paris, Gauthier-Villars, 1931.
- MENTRÉ (—.). See VOGT (—.).
- MEYERSON (E.). Du cheminement de la pensée. Tomes 1-3. Paris, Alcan, 1931. 27+294+422+320 pp.
- MOREUX (T.). Pour continuer l'algèbre. Paris, Doin, 1931. 200 pp.
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- SCHAAF (W. L.). Mathematics for junior high school teachers. Richmond, Johnson Publishing Company, 1931. 14+440 pp.
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- WALTON (J. J.). School certificate trigonometry with mensuration. London, Pitman, 1930. 7+195 pp.
- WEISS (P.). See PEIRCE (C. S.).

## PART II. APPLIED MATHEMATICS

- ABBOTT (W.). Machine drawing and design. A textbook of intermediate standard for engineering students. London, Blackie, 1930. 208 pp.
- ALBERT (C. D.) and ROGERS (F. S.). Kinematics of machinery. New York, Wiley, and London, Chapman and Hall, 1931. 16+527 pp.

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- BROWN (H. A.). *Radio frequency electrical measurements*. New York and London, McGraw-Hill, 1931. 397 pp.
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- CASIMIR (H. B. G.). *Rotation of a rigid body in quantum mechanics*. (Dissertation, Leiden.) Groningen, J. B. Wolters, 1931. 112 pp.
- CHANIN (W.). *Logarithms in commerce with sections on annuities and hire-purchase interest*. London, Pitman, 1931. 9+70 pp.
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- DUNCAN (R. L.) and DREW (C. E.). *Radio telegraphy and telephony*. 2d edition, revised and enlarged. New York, Wiley, 1931. 11+1046 pp.
- ESTEP (T. G.). See FESSENDEN (E. A.).

- FABRY (C.). *Cours de physique professé à l'Ecole Polytechnique. Tome 1.* Paris, Gauthier-Villars, 1932. 6+663 pp.
- FESSENDEN (E. A.) and ESTEP (T. G.). *Problems in thermodynamics and steam power plant engineering.* New York, Wiley, 1931. 6+166 pp.
- FISCHER (J.). *Theorie der thermischen Messgeräte der Elektrotechnik. Grundlagen zu ihrer Berechnung.* Stuttgart, Enke, 1931. 11+147 pp.
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- FRASER (R. G. J.). *Molecular rays.* Cambridge, University Press, 1931. 13+204 pp.
- GAMOW (G.). *Der Bau des Atomkerns und die Radioaktivität.* Ins Deutsche übertragen von C. und F. Houtermans. Leipzig, Hirzel, 1931. 148 pp.
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- HADDON (H. D.). *Structures. Volume 2: An introduction to aeronautical engineering.* London, Gale and Polden, 1931. 128 pp.
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- HOUTERMANS (F.). See GAMOW (G.).
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- LANGLOIS-BERTHELOT (R.). *Les machines à courants continus. Caractéristiques, contrôle, applications.* Paris, Gauthier-Villars, 1931. 14+289 pp.
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- PANETH (F.). See von HEVESY (G.).
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- SHEDD (T. C.) and VAWTER (J.). Theory of simple structures. New York, Wiley, 1931. 10+345 pp.
- SIEGBAHN (M.). Spektroskopie der Röntgenstrahlen. 2te umgearbeitete Auflage. Berlin, Springer, 1931. 6+575 pp.
- SMITH (A. E.). See DOMINGUEZ (C. V.).
- SOMMERFELD (A.). Atombau und Spektrallinien. Braunschweig, Vieweg, 1931. 735 pp.
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- STÜCKLEN (H.). See LORENTZ (H. A.).
- TEICHMANN (H.). See FLEISCHER (R.).
- THAYER (E. S.). See McCULLOGH (C. B.).

- TIPPETT (L. H. C.). *The methods of statistics. An introduction mainly for workers in the biological sciences.* London, Williams and Norgate, 1931. 222 pp.
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