

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

- ARISTOTELES. Aristoteles und die Arithmetik, von A. Görland. Marburg, 1898. 8vo. 61 pp. M. 1.80
- BIANCHI (L.). Teoria delle funzioni di variabile complessa e delle funzioni ellittiche. Parte I.: Funzioni monodrome di variabile complessa. Pisa, 1899. 8vo. Fr. 8.50
- BOBYNIN (V. V.). Bibliography of mathematical and physical sciences. Catalogue of books and memoirs of mathematical and physical sciences published in Russia from the invention of printing up to the present time. Part III (1800-1865). Moscow, 1898. 8vo. 171 pp. (Russian.)
- BREEN (A. J. v.). Merkwaardige Punten en Lijnen van den vlakken Driehoek. 2de vermeerde Druk. Amsterdam, 1898. 8vo. 88 pp. with 68 figures. M. 2.50
- BROCARD (H.). Notes de bibliographie des courbes géométriques. Bar-le-Duc, 1898. 22, 296 and 30 pp. (Autographié.) Fr. 3.00
- COLLIN (K. R.). Lärobok i plan analytisk geometri. 2. upplaga. Stockholm, 1898. 8vo. 135 pp. M. 3.80
- COLLINGWOOD (S. D.). See DODGSON (C. L.).
- CLAUDEL (J.). Essai de synthétique. La méthode coordinative, la synthèse et l'enseignement intégral. Paris, 1899. 8vo. Fr. 4.50
- DICKSTEIN (S.). See PASCAL (E.).
- DODGSON (C. L.). The life and letters of Lewis Carroll (C. L. Dodgson), by S. D. Collingwood. London, 1898. 8vo. Cloth. 7s. 6d.
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- GÖRLAND (A.). See ARISTOTELES.
- GUTZMER (A.). See JAHRESBERICHT.
- HAUCK (G.). See JAHRESBERICHT.
- HEIS (E.). Sammlung von Beispielen und Aufgaben aus der allgemeinen Arithmetik und Algebra, in systematischer Folge bearbeitet. 98te Auflage. Köln, 1898. 8vo. 4 and 403 pp. M. 3.00
- HOCHHEIM (A.). Aufgaben aus der analytischen Geometrie der Ebene. 2tes Heft: Die Kegelschnitte. Abteilung I. 2te Auflage. Leipzig, Teubner. 8vo.
- JAHRESBERICHT der deutschen Mathematiker-Vereinigung, herausgegeben von G. Hauck und A. Gutzmer. Band VI, 2tes Heft. Leipzig, Teubner. 8vo. 4 and 110 pp. M. 4.00
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- KOCH (R.). Bestimmung der viergliedrigen Gruppen des Raumes (x, y, z). Leipzig, 1898. 8vo. 73 pp. M. 2.00
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- KUDRIUMOFF (W. J.). Elements of descriptive geometry. St. Petersburg, 1898. 8vo. 404 pp. (Russian). M. 14.00
- L. S. Considerazioni e teoremi sulla funzione proporzionalità, nel calcolo così elementare come differenzial ed integral. Milano, Ingegneri, 1898. 8vo. 47 pp.
- LAGRANGE (J. L.). Zusätze zu Euler's Elementen der Algebra. Unbestimmte Analysis. Uebersetzt von A. J. v. Oettingen, herausgegeben von H. Weber. Leipzig, 1898. 8vo. 171 pp. Cloth. M. 2.60
- LEIBNITZ (G. W.). Briefwechsel mit Mathematikern. Herausgegeben von E. J. Gerhardt. Band I. Berlin, 1898. 8vo. 28 and 761 pp. M. 28.00
- LEMANN (A.). Beiträge zum mathematischen Unterricht in den Oberklassen. Mülhausen, 1898. 4to. 32 pp. M. 1.80
- MARTIN (A.). About fifth-power numbers whose sum is a fifth power. (*Mathematical Magazine*, vol. II, no. 11.) Washington, 1898. 4to. Pp. 201-208.
- MÜLLER (E.). Die Geometrie orientirter Kugeln nach Grassmann'schen Methoden. Königsberg, 1898. 8vo. 46 pp. M. 1.80
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- PASCAL (E.). Infinitesimal Calculus. Part III.: Calculus of variations. Translated into Polish by S. Dickstein. Warsaw, 1898. M. 6.00
- SCHIFF (W.). Exercises and problems in differential and integral calculus. Part I. St. Petersburg, 1898. 8vo. 326 pp. (Russian.) M. 6.00
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- TAYLOR (F. G.). Introduction to differential and integral calculus and differential equations. London, Longmans, 1899. 8vo. 592 pp. 8s.
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II. ELEMENTARY MATHEMATICS.

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- ALEXANDROFF (I.). Problèmes de géométrie élémentaire, groupés d'après les méthodes à employer pour leur résolution. Traduit du russe, sur la 6^e édition, par D. Aitoff. Paris, Hermann, 1899. 8vo. 11 and 155 pp.
- AMES (A. F.). See MCLELLAN (J. A.).

- BEARD (W. S.). See PENDLEBURY (C.).
- BOWERS (T. F.). Monthly progress syllabus. Algebra, Stage 2: a practical periodical course arranged to meet new requirements. 8 periods. London, Simpkin, 1899. 8vo. 80 pp. 8d.
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- BURILLO de SANTIAGO (M.). Elementos de matematica. 2. edicion. Tomo II.: Geometria y trigonometria. Madrid, 1898. 4to. 344 pp.
- ELEMENTOS de aritmética, con algunas nociones de algebra; por los Hermanos de las escuelas cristianas. Cuarta edicion. Tours, Mame, 1899. 16mo. 392 pp.
- FRÈRES DES ÉCOLES CHRÉTIENNES. Exercices de calcul sur les quatre opérations fondamentales de l'arithmétique. Livre de l'élève. Paris, Poussielgue, 1899. 18mo. 8 and 72 pp.
- HAGY (C. K.). Handy book of trigonometric tables; arranged by H. C. Whittaker. New York, J. J. McVey, 1899. 32mo. 2 and 57 pp. Cloth. \$.20
- KNIGHT (W. F.). A first algebra. London, Relfe, 1899. 12mo. 96 pp. 6d.
- MCLELLAN (J. A.) and AMES (A. F.). The public school mental arithmetic, based on McLellan and Dewey's "Psychology of numbers." New York, The Macmillan Co., 1899. 16mo. 11 and 138 pp. Cloth. \$.25
- NONNIS-MARZANNO (F.). Le matematiche elementari esposte secondo il metodo storico. Trattato d'aritmetica ragionata esteso fino ai logaritmi e loro applicazioni, con più di 500 problemi. Seconda edizione, riveduta. Florence, 1898. 8vo. 7 and 660 pp. Fr. 6.50
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- PRIZZO (G.). L'insegnamento della matematica nelle scuole primarie e popolari. Verona, 1898. 8vo. Fr. 3.00
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III. APPLIED MATHEMATICS.

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- BERRY (A.). A short history of astronomy. New York, Charles Scribner's Sons, 1899. 12mo. 31 and 440 pp. Cloth. \$1.50
- BINDER (W.). Die cotirte Darstellung auf einer Bildfläche nebst einem Vorschlage zur einheitlichen Bezeichnung in der darstellenden Geometrie. Thiel II. Wiener-Neustadt, 1898. 8vo. 16 pp., with table. M. 1.20
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- CAJORI (F.). A history of physics in it's elementary branches, including the evolution of physical laboratories. New York, The Macmillan Company, 1899. 8vo. 8 and 322 pp. Cloth. \$1.60
- CLAUSIUS (R.). Ueber die bewegende Kraft der Wärme und die Gesetze, welche sich daraus für die Wärmelehre selbst ableiten lassen. Herausgegeben von M. Planck. Leipzig, 1898. 8vo. 55 pp. Cloth. M. 0.80
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- DURAND (W. F.). The resistance propulsion of ships; treating of the various subdivisions of resistance, their computation, experimental determination, etc., the propulsive action of geometrical action, etc. New York, J. Wiley & Sons, 1898. 8vo. Cloth. \$5.00
- HASTINGS (C. S.) and BEACH (F. E.). A text-book of general physics; for use of colleges and scientific schools. Boston, Ginn & Co., 1899. 8vo. 5 and 768 pp. Leather. \$2.95
- HAYFORD (J. F.). Text-book of geodetic astronomy. New York, J. Wiley & Sons, 1898. 8vo. \$3.00
- HICKS (W. M.). Researches in vortex motion. Part III.: On spiral or gyrostatic vortex aggregates. London, 1898. 4to. 67 pp. 3s. 6d.
- JAMIESON (A.). Text-book of applied mechanics. Arranged for science and art and other engineering students. Volume II. Second edition, enlarged. Diagrams, examination questions. London, Griffin, 1899. 8vo. 498 pp. 8s. 6d.
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- MENGER (J.). Lehrbuch der darstellenden Geometrie. 2te Auflage. Vienna, 1899. 8vo. 4 and 234 pp. Bound. M. 3.00
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- NADAL (J.). Théorie mathématique de la machine à vapeur ; action des parois. Paris, Dunod, 1898. 8vo. 114 pp.
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- POINCARÉ (H.). Scientia. La théorie de Maxwell et les oscillations hertziennes. Chartres, Durand, 1899. 8vo. 80 pp.
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- ZINGER (N.). Course in practical astronomy. St. Petersburg, 1898. 8vo. 289 pp. (Russian.)
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