

## NEW PUBLICATIONS.

## I. HIGHER MATHEMATICS.

- ALGORISMUS PROSAYCUS** Magistri Christiani anno fere 1400 scriptus. Nunc primum edidit Dr. F. J. Studnička. Pragæ, 1893. (Sumptibus R. Soc. Scient. Boh.) 17 pp.
- BRUTEL DE LA RIVIÈRE** (C. J. E.). Aanhangsel tot de Handleidning bij de Beschouwing der Figuren in de Ruimte. Leiden, 1893. 8vo. 2 and 20 pp. Mk. 0.80
- BYERLY** (W. E.). An elementary treatise on Fourier's series and spherical, cylindrical, and ellipsoidal harmonics, with applications to problems in mathematical physics. Boston, Ginn, 1893. 8vo. 8 and 287 pp. Illustrated. Cloth. \$3.00
- CANTOR** (M.). Vorlesungen über Geschichte der Mathematik. (In 3 Bänden.) Vol. I: Von den ältesten Zeiten bis zum Jahre 1200 n. Chr. 2te, umgearbeitete Auflage. Leipzig, Teubner, 1894. 8vo. Illustrated. Mk. 20.00
- COLLETTE** (L.). Exercices de calcul intégral. Liège, 1893. 8vo. Mk. 2.80
- DETER** (C. J.). Repetitorium der Differential- und Integralrechnung. 3te Auflage. Berlin, Rockenstein, 1893. 8vo. 119 pp. Illustrated. Mk. 2.00
- DURËGE** (H.). Elemente der Theorie der Funktionen einer complexen veränderlichen Grösse. Mit besonderer Berücksichtigung der Schöpfungen Riemann's. 4te Auflage. Leipzig, Teubner, 1894. 8vo. 10 and 300 pp. Mk. 6.80
- GAUSS** (C. F.). De integratione formulæ differentialis  $(1 + n \cos \phi)^r d\phi$ . Herausgegeben von E. Schering. Göttingen (Nachr. Ges. Wiss.), 1893. 8vo. 30 pp. Mk. 1.80
- KLEIN** (F.). The Evanston Colloquium. Lectures on mathematics, delivered from Aug. 28 to Sept. 9, 1893, before members of the Congress of Mathematics held in connection with the World's Fair in Chicago, at Northwestern University, Evanston, Ill. Reported by A. Ziwet. Published for H. S. White and A. Ziwet. New York, Macmillan, 1894. 8vo. 10 and 109 pp. Cloth. \$1.50
- LE VAVASSEUR** (R.). Sur le système d'équations aux dérivées partielles simultanées aux quelles satisfait la série hypergéométrique à deux variables  $F(\alpha, \beta, \beta', \gamma; x, y)$ . Paris, 1893. 4to. 211 pp. Illustrated. Mk. 6.00
- MACMAHON** (P. A.). Memoir on the theory of the composition of numbers. London (Phil. Trans.), 1893. 4to. 67 pp. 8s.
- MOLENBROEK** (P.). Anwendung der Quaternionen auf die Geometrie. Leiden, 1893. 8vo. 10 and 257 pp. Mk. 7.00
- STRINGHAM** (I.). Uniplanar algebra, being Part I of a propædeutic to the higher mathematical analysis. San Francisco, Berkeley Press, 1893. 8vo. 14 and 141 pp. Cloth. \$1.25

## II. ELEMENTARY MATHEMATICS.

- AMBROSINO (V.). Elementi di trigonometria sferica, ad uso delle scuole secondarie. Messina, Trimarchi, 1893. 8vo. 50 pp., 1 plate.
- BRIGGS (W.) and BRYAN (G. R.). Elements of co-ordinate geometry. Part I: the equations and properties of the right line and circle. 2d ed. London, Clive, 1893. (Univ. Corr. Coll. Tutorial Series.) 8vo. 216 pp. 8s. 6d.
- BRIGGS (W.) and EDMONDSON (T. W.). Mensuration of the simpler figures, including the elements of the geometry of the rectilinear solids. London, 1893. 8vo. 170 pp. Illustrated. Cloth. 3s. 6d.
- DUPUIS (N. F.). Elements of synthetic solid geometry. New York, Macmillan, 1894. 12mo. 239 pp. Cloth. \$1.60
- GREMIGNI (M.). Ancora a proposito del postulato dell' equivalenza e di altre questioni geometriche: seconda risposta al prof. Lazzeri. Firenze, Fiorentino, 1893. 8vo. . 8 pp.
- HALL (H. S.) and KNIGHT (S. R.). Elementary trigonometry. London and New York, Macmillan, 1893. 12mo. 14 and 356 pp. Cloth. \$1.10
- JONES (G. W.). Logarithmic tables. 5th edition. London, Macmillan; and Ithaca, Jones; 1894. 8vo. \$0.75
- LODI (E.). Matematica elementare, corso liceale. Vol. III: Trigonometria. Bologna, Gamberini e Parmeggiani, 1893. 8vo. 59 pp. Illustrated. Fr. 1.00
- MOČNIK'S geometrische Formenlehre für die erste Classe der Real-schulen. Bearbeitet von F. Maurer. 2te Auflage. Prag, Tempsky, 1893. 8vo. 60 pp. Illustrated. Mk. 0.90
- PINCHERLE (S.). Algebra elementare. 5ta edizione. Milano, Hoepli, 1894. 16mo. 8 and 210 pp. (Manuali Hoepli.)
- SCHLOTTERBECK (B.). Leichte algebraische Aufgaben für das Kopfrechnen. Mit einem Anhang: Ganz leichte algebraische Aufgaben zum Kopfrechnen für die Unterstufe. Leipzig, Peter, 1893. 8vo. 56 pp. Mk. 0.60
- TREGAN (J. H.). Elementary and intermediate algebra. 6th ed. Dublin, Sullivan, 1893. 8vo. 450 pp. 3s. 6d.

## III. APPLIED MATHEMATICS.

- BALL (R. S.). In the high heavens. (Movements of the solar system; physical condition of other worlds; the great eclipse of 1893; the fifth satellite of Jupiter; the origin of meteorites; etc.) London, 1893. 8vo. Cloth. 7s. 6d.
- The story of the sun. With 11 full-page plates and numerous illustrations. London, Cassell, 1893. 8vo. 382 pp. 21s.
- BRUNSWIG (H.). Tabellen zur Bestimmung der Breite. Hamburg, 1893. Oblong. 11 and 99 pp. Cloth. Mk. 800

- CASPARI (E.)**. Untersuchungen über Chronometer und nautische Instrumente. Studie über den Mechanismus und den Gang der Chronometer. Übersetzt von E. Gohlke. Bautzen, 1893. 8vo. 4 and 294 pp. 2 plates. Mk. 8.00
- CLERKE (A. M.)**. The planet Venus. London, 1893. 8vo. 53 pp. Cloth. 1s.
- COX (F. P.)**. Continuous-current dynamos and motors; their theory, design, and testing: an elementary treatise for students. New York, Johnston, 1893. 12mo. 271 pp. Illustrated. Cloth. \$2.00
- DELBOS (L.)**. L'Astronomie aux Indes Orientales. Paris, 1893. 8vo. 32 pp. Illustrated. Mk. 1.50
- DE-MARCHI (L.)**. Sulla teoria dei cicloni. Milano, 1893. 4to. 15 plates. Mk. 6.50
- FABER (F.)**. Darstellende Geometrie mit Einschluss der Perspektive, insbesondere zum Gebrauche an Fortbildungs- und Baugewerkschulen, sowie zum Selbstunterricht. Nach dem Tode des Verfassers herausgegeben von O. Schmidt. 2 Teile. Dresden, Kühnemann, 1893. 8vo. 12 and 129 pp. 41 plates. Mk. 8.00
- GUYON (E.) et WILLOTTE (H.)**. Cours élémentaire d'astronomie. Paris, 1893. 8vo. 378 pp. 2 plates. Illustrated. Fr. 10.50
- JELINEK (L.)**. Mathematische Tafeln für technische Anstalten. 2 Theile. Wien, 1893. 8vo. 224 pp. Mk. 2.40
- JESSOP (C. M.)**. The elements of applied mathematics, including kinetics, statics, and hydrostatics. New York, Macmillan, 1894. (Cambridge math. series.) 12mo. 110 pp. Cloth. \$1.25
- LAUENSTEIN (N.)**. Die graphische Statik. Elementares Lehrbuch für technische Unterrichtsanstalten und zum Gebrauch in der Praxis. 2te Auflage. Stuttgart, Cotta, 1893. 8vo. 6 and 164 pp. Illustrated. Mk. 4.00
- NAUMANN (A.)**. Technisch-thermochemische Berechnungen zur Heizung insbesondere mit gasförmigen Brennstoffen. Aufgaben mit ausführlichen Lösungen als Leitfaden für Praktiker und zur Übung für Studierende. Braunschweig, Vieweg, 1893. 4to. 9 and 113 pp. Mk. 6.00
- THANNABAUR (J.)**. Berechnung von Renten und Lebens-Versicherungen, an der Hand von Beispielen erläutert. Wien, Graesser, 1893. 8vo. 3 and 135 pp. Mk. 8.00
- TURNER (J. H. T.) and BRIGHTMORE (A. W.)**. The principles of waterworks engineering. London, Spon, 1893. 8vo. 444 pp. 25s.
- VOYER (J.)**. Théorie élémentaire des courants alternatifs. Paris, 1893. 8vo. 88 pp. Illustrated. Mk. 1.80
- WEEKES (R. W.)**. The design of alternate current transformers. London, 1893. 8vo. 96 pp. Illustrated. Cloth. 2s.
- WELLS (S. H.)**. Engine drawing and design: a practical manual for engineering students. (In 2 vols.) Vol. I: Geometry, practical, plane, and solid. Vol. II: Machine and engine drawing and design. Philadelphia, Lippincott, 1893. 12mo. Illustrated. Cloth. \$2.50
- WYDTS (A.)**. La machine électrique; sa théorie; calcul de ses éléments de construction. Paris, 1893. 8vo. Illustrated. Fr. 4.00

