

NEW PUBLICATIONS

- ARTIN, E. *Algebraic numbers and algebraic functions*. I. New York, Institute for Mathematics and Mechanics, New York University, 1951. 2+5+345+5 pp. \$3.50.
- BENAC, T. J. See WAISMANN, F.
- BIEBERBACH, L. *Einführung in die Funktionentheorie*. 2d ed. Bielefeld, Verlag für Wissenschaft und Fachbuch, 1952. 12.60 DM.
- BILIMOVIĆ, A. *Racionalna mehanika*. II. *Mehanika sistema*. Belgrade, Naučna Knjiga, 1951. 7+405 pp.
- BURKILL, J. C. *The Lebesgue integral*. (Cambridge Tracts in Mathematics and Mathematical Physics, no. 40.) Cambridge University Press, 1951. 8+87 pp. 12 s. 6 d.
- CARNAP, R. *The continuum of inductive methods*. University of Chicago Press, 1952. 5+92 pp. \$3.50.
- CARRIER, G. F. See *Foundations, aerodynamics of high speed*.
- CARTAN, É. *Leçons sur la géométrie des espaces de Riemann*. 2d ed. Paris, Gauthier-Villars, 1951. 8+378 pp. 1800 fr.
- CEBYŠEV, P. L. *Polnoe sobranie sočinenij P. L. Cebyševa*. Vol. 5. *Prochie sočineniya. Biografičeskie materialy*. Moscow, Izdatel'stvo Akademii Nauk SSSR, 1951. 474 pp., 1 plate.
- CURRY, H. B. *Leçons de logique algébrique*. Paris, Gauthier-Villars, 1952. 163 pp. 1600 fr.
- DOIG, P. *A concise history of astronomy*. New York, Philosophical Library, 1951. 11+320 pp. \$4.75.
- DORFMAN, R. *Application of linear programming to the theory of the firm, including an analysis of monopolistic firms by non-linear programming*. Berkeley, University of California Press, 1951. 9+98 pp. \$3.50.
- DÖRRIE, H. *Einführung in die Funktionentheorie*. Munich, Oldenbourg, 1951. 559 pp. 48 DM.
- DÖRRIE, H. *Unendliche Reihen*. Munich, Oldenbourg, 1951. 11+725 pp. 58 DM.
- EINSTEIN, A. See LORENTZ, H. A. *Foundations, aerodynamics of high speed*. With a bibliography compiled by G. F. Carrier. New York, Dover, 1951. 10+286 pp. \$3.50.
- GILLESPIE, R. P. *Partial differentiation*. New York, Interscience, 1951. 8+107 pp. \$1.95.
- GOODSTEIN, R. L. *Constructive formalism. Essays on the foundations of mathematics*. Leicester, University College, 1951. 91 pp. 15 s.
- GUMPRECHT, R. O., and SLIEPCEVICH, C. M. *Tables of functions of first and second partial derivatives of Legendre polynomials*. Ann Arbor, Engineering Research Institute, University of Michigan, 1951. 12+310 pp. \$3.50.
- GUMPRECHT, R. O., and SLIEPCEVICH, C. M. *Tables of light-scattering functions for spherical particles*. Ann Arbor, Engineering Research Institute, University of Michigan, 1951. 15+574 pp. \$6.50.
- GUMPRECHT, R. O., and SLIEPCEVICH, C. M. *Tables of Riccati Bessel functions for large arguments and orders*. Ann Arbor, Engineering Research Institute, University of Michigan, 1951. 16+260 pp. \$3.50.
- HODGE, W. V. D., and PEDOE, D. *Methods of algebraic geometry*. Vol. 2. Cambridge University Press, 1951. 9+387 pp.
- JAEGER, J. C. *An introduction to applied mathematics*. Oxford, Clarendon, 1951. 13+445 pp. \$7.00.

- JEFFERY, G. B. See LORENTZ, H. A.
- KEMPTHORNE, O. *The design and analysis of experiments*. New York, Wiley, 1952. 19+631 pp. \$8.50.
- LANDAU, L., and LIFŠIC, E. *Statističeskaya fizika (klassičeskaya i kvantovaya)*. Moscow, Gosudarstvennoe Izdatel'stvo Tehniko-Teoreticeskoi Literatury, 1951. 479 pp. 14.75 rubles.
- LIFŠIC, E. See LANDAU, L.
- LOBAČEVSKIĬ, N. I. *Polnoe sobranie sočineniĭ*. Vol. 3. *Sočineniya po geometrii*. Moscow, Gosudarstvennoe Izdatel'stvo Tehniko-Teoreticeskoi Literatury, 1951. 535 pp., 2 plates.
- LORENTZ, H. A., EINSTEIN, A., MINKOWSKI, H., and WEYL, H. *The principle of relativity*. A collection of original memoirs on the special and general theory of relativity. With notes by A. Sommerfeld. Trans. by W. Perrett and G. B. Jeffery. New York, Dover, n.d. 8+216 pp. \$3.50.
- LÖSCH, F., and SCHOBLIK, F. *Die Fakultät (Gammafunktion) und verwandte Funktionen mit besonderer Berücksichtigung ihrer Anwendungen*. Leipzig, Teubner, 1951. 6+205 pp. \$4.03.
- MAXWELL, J. C. *Matter and motion*. New York, Dover, n.d. 13+163 pp., 1 plate. \$2.50.
- MINKOWSKI, H. See LORENTZ, H. A.
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- PERRETT, W. See LORENTZ, H. A.
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- Repertorio di matematiche*. Ed. by M. Villa. Padova, Cedam, 1951. 18+731 pp. 5000 lire.
- RIOS, S. *Introduccion a los metodos estadísticos*. I. Madrid, Diez, 1951. 205 pp. 60 pesetas.
- ROBINSON, A. *On the metamathematics of algebra*. Amsterdam, North-Holland, 1951. 9+195 pp. 18.00 florins.
- VON SANDEN, R. *Praktische Mathematik*. Leipzig, Teubner, 1951. 120 pp.
- SAUER, R. *Einführung in die theoretische Gasdynamik*. 2d ed. Berlin, Springer, 1951. 8+174 pp.
- SCHOBLIK, F. See LÖSCH, F.
- SCORZA DRAGONI, G. See SEVERI, F.
- Selections illustrating the history of Greek mathematics*. With an English translation by I. Thomas. Vol. 1. *From Thales to Euclid*. Vol. 2, *From Aristarchus to Pappus*. Cambridge, Harvard University Press, 1951. Vol. 1, 16+505 pp. Vol. 2, 10+683 pp.
- SEVERI, F., and SCORZA DRAGONI, G. *Lezioni di analisi*. Vol. 3. *Equazioni differenziali*

- ordinarie e loro sistemi, problemi al contorno relativi, serie trigonometriche, applicazioni geometriche.* Bologna, Zuffi, 1951. 6+255 pp.
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- SOMMERFELD, A. See LORENTZ, H. A.
- Tables of the error function and of its first twenty derivatives.* By the Staff of the Computation Laboratory. Cambridge, Harvard University Press, 1952. 28+276 pp. \$8.00.
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- The theory of electromagnetic waves.* A symposium held under the auspices of the Washington Square College of Arts and Science and the Institute for Mathematics and Mechanics of New York University and the Geophysical Research Directorate of the Air Force Cambridge Research Laboratories, June 6-8, 1950. New York, Interscience, 1951. 8+393 pp. \$6.50.
- THOMAS, I. See *Selections illustrating the history of Greek mathematics.*
- VILLA, M. See *Repertorio di matematiche.*
- WAISMANN, F. *Introduction to mathematical thinking. The formation of concepts in modern mathematics.* Trans. by T. J. Benac. New York, Ungar, 1951. 11+260 pp. \$4.50.
- WEYL, H. See LORENTZ, H. A.
- WHITTAKER, E. *A history of the theories of aether and electricity.* Vol. 1. *The classical theories.* New York, Philosophical Library, 1951. 14+434 pp. \$12.00.