

## NEW PUBLICATIONS

- AMBARCUMYAN, V. A., MUSTEL', È. R., SEVERNYĬ, A. B., and SOBOLEV, V. V. *Teoreticheskaia astrofizika*. Moscow, Gosudarstvennoe Izdatel'stvo Tehniko-Teoreticheskoi Literatury, 1952. 635 pp., 1 plate. 15 rubles.
- APOSTLE, H. G. *Aristotle's philosophy of mathematics*. University of Chicago Press, 1952. 10+228 pp. \$6.00.
- BALLIEU, R. See GILLIS, P. P.
- BELLMAN, R. See HARRIS, T. E.
- BEZICOVICI, I. S. *Calculé aproximative*. Bucarest, Editura Tehnică, 1952. 440+2 pp. 21.46 Lei.
- BLUMENTHAL, L. M. *Theory and applications of distance geometry*. Oxford, Clarendon, 1953. 11+347 pp. \$10.00.
- BOREL, È. *Les nombres premiers*. Paris, Presses Universitaires de France, 1953. 135 pp.
- BOUCKAERT, L. See GILLIS, P. P.
- BRAITHWAITE, R. B. *Scientific explanation. A study of the function of theory, probability and law in science*. Cambridge University Press, 1953. 12+376 pp. \$8.00.
- BRILLOUIN, L. *Wave propagation in periodic structures. Electric filters and crystal lattices*. 2d ed. New York, Dover, 1953. 12+255 pp. Cloth bound, \$3.50; paper bound, \$1.75.
- BUCHHOLZ, H. *Die konfluente hypergeometrische Funktion mit besonderer Berücksichtigung ihrer Anwendungen*. (Ergebnisse der angewandten Mathematik, vol. 2.) Berlin, Springer, 1953. 16+234 pp. 36.00 DM.
- CAMPUS, F. See GILLIS, P. P.
- CARSON, J. R. *Electric circuit theory and the operational calculus*. 2d ed. New York, Chelsea, 1953. 10+197 pp. \$3.95.
- CHANDRASEKHARAN, K., and MINAKSHISUNDARAM, S. *Typical means*. Oxford University Press, 1952. 10+139 pp. \$6.50.
- CLAGETT, M. See *Medieval science of weights*.
- COCHRAN, W. G. *Sampling techniques*. New York, Wiley, 1953. 14+330 pp. \$6.50.
- COUTREZ, R. See GILLIS, P. P.
- VAN DANTZIG, D. See GILLIS, P. P.
- DOMIZLAFF, H. See TORNIER, E.
- DOOB, J. L. *Stochastic processes*. New York, Wiley, 1953. 8+654 pp. \$10.00.
- EINSTEIN, A. *The meaning of relativity*. 4th ed. Princeton University Press, 1953. 4+168 pp. \$3.50.
- FAUVILLE, A. See GILLIS, P. P.
- FINIKOV, S. P. *Kurs differencial'noi geometrii*. Moscow, Gosudarstvennoe Izdatel'stvo Tehniko-Teoreticheskoi Literatury, 1952. 343 pp. 8.6 rubles.
- FLÜGGE, S., and MARSCHALL, H. *Rechenmethoden der Quantentheorie dargestellt in Aufgaben und Lösungen*. Part 1. *Elementare Quantenmechanik*. 2d ed. (Die Grundlagen der Mathematischen Wissenschaften in Einzeldarstellungen mit besonderer Berücksichtigung der Anwendungsgebiete, vol. 53.) Berlin, Springer, 1952. 8+272 pp. 29.80 DM; bound, 32.80 DM.
- FRAENKEL, A. A. *Abstract set theory*. Amsterdam, North-Holland, 1953. 12+479 pp. 38.00 florins.
- FRÉCHET, M. *Pages choisies d'analyse générale*. Paris, Gauthier-Villars, 1953. 213 pp. \$5.94.
- FRÉCHET, M. See GILLIS, P. P.

- GILLIS, P. P., VON MISES, R., BALLIEU, R., VAN DANTZIG, D., COUTREZ, R., BOUCKAERT, L., PRIGOGINE, I., CAMPUS, F., FAUVILLE, A., FRÉCHET, M., and HIRSCH, G. *Théorie des probabilités. Exposés sur ses fondements et ses applications*. Louvain, Nauwelaerts, 1952. 195 pp. 200 Belgian fr.
- GOFFMAN, C. *Real functions*. New York, Rinehart, 1953. 12+263 pp. \$6.00.
- GOULD, S. H. See ORE, O.
- GRAF, U., and HENNING, H. J. *Formeln und Tabellen der mathematischen Statistik*. Berlin, Springer, 1953. 6+102 pp. 9 DM.
- HARRIS, T. E., BELLMAN, R., and SHAPIRO, H. N. *Studies in functional equations occurring in decision processes*. (The Rand Corporation Report P-382.) Santa Monica, 1953. 62 pp.
- HASSE, H. *Mathematik als Wissenschaft, Kunst und Macht*. Wiesbaden, Verlag für Angewandte Wissenschaften, 1952. 34 pp.
- HAUPT, O. *Einführung in die Algebra*. Part 1. 2d ed. Leipzig, Geest and Portig, 1952. 18+370 pp.
- HENNING, H. J. See GRAF, U.
- HERSCHEL, R. See PETROVSKIJ, I. G.
- HIRSCH, G. See GILLIS, P. P.
- ITÔ, K. *Kakurisu-ron*. [*Theory of probability*.] Tokyo, Iwanami Shōten, 1953. 6+405 pp. 650 Yen.
- JORDAN, P. *Schwerkraft und Weltall. Grundlagen der theoretischen Kosmologie*. Braunschweig, Vieweg, 1952. 8+207 pp. 15.80 DM.
- KRAITCHIK, M. *Mathematical recreations*. 2d ed. New York, Dover, 1953. 330 pp. Clothbound, \$3.00; paperbound, \$1.60.
- KURATOWSKI, C. *Topologie*. Vol. I, 3d ed. (Monografie Matematyczne, vol. 20.) Warsaw, Polskie Towarzystwo Matematyczne, 1952. 12+450 pp. \$7.50.
- LEJA, F. *Funkcje analityczne i harmoniczne*. Vol. I. [*Analytic and harmonic functions*. Vol. I.] (Monografie Matematyczne, vol. 29.) Warsaw, Polskie Towarzystwo Matematyczne, 1952. 4+174 pp. 15.00 Zl.
- MCNAUGHTON, R. See WANG, H.
- MANN, H. B. *Introduction to the theory of stochastic processes depending on a continuous parameter*. (National Bureau of Standards Applied Mathematics Series, no. 24.) Washington, Government Printing Office. 6+45 pp. \$.30.
- MARSCHALL, H. See FLÜGGE, S.
- The medieval science of weights*. (Scientia de ponderibus.) Treatises ascribed to Euclid, Archimedes, Thabit ibn Quarra, Jordanus de Nemore, and Blasius of Parma. Ed. by E. A. Moody and M. Clagett. Madison, University of Wisconsin Press, 1952. 10+438 pp. \$5.00.
- MINAKSHISUNDARAM, S. See CHANDRASEKHARAN, K.
- VON MISES, R. See GILLIS, P. P.
- MOODY, E. A. See *Medieval science of weights*.
- MUSTEL', È. R. See AMBARCUMYAN, V. A.
- OLLENDORFF, F. *Berechnung magnetischer Felder*. Vienna, Springer, 1952. 10+432 pp. \$15.70.
- ORE, O. *Cardano, the gambling scholar*. With a translation from the Latin of Cardano's "Book on games of chance" by S. H. Gould. Princeton University Press, 1953. 14+249 pp. \$4.00.
- PETROVSKIJ, I. G. *Vorlesungen über die Theorie der Integralgleichungen*. Trans. by R. Herschel. Würzburg, Physica-Verlag, 1953. 100 pp. 7.80 DM.

- PIAZOLLA BELOCH, M. *Geometria descrittiva*. 2d ed. Istituto di Geometria dell'Università di Ferrara, 1953. 15+172+172+118 pp.
- PRIGOGINE, I. See GILLIS, P. P.
- RIEMANN, B. *Gesammelte mathematische Werke und wissenschaftlicher Nachlass*. New York, Dover, 1953. 19+558+8+116 pp. Clothbound, \$4.95; paperbound, \$2.25.
- SCHLÄFLI, L. *Gesammelte mathematische Abhandlungen*. Vol. II. Basel, Birkhäuser, 1953. 381 pp. 56.15 Swiss fr.
- SERRUYS, M. *Étude générale de l'écoulement d'un gaz à travers une tuyère quelconque et du passage par la vitesse du son (en régime permanent ou quelconque avec apport de chaleur et réaction chimique éventuels)*. (Publ. Sci. Tech. Ministère de l'Air, no. 272.) Paris, 1952. 8+62 pp. 750 fr.
- SEVERNÝĚ, A. B. See AMBARCUMYAN, V. A.
- SHAPIRO, H. N. See HARRIS, T. E.
- SIBAGAKI, W. *Theory and applications of the gamma function with a table of the gamma function for complex arguments significant to the sixth decimal place*. (In Japanese.) Tokyo, Iwanami Syoten, 1952. 202 pp. 680 Yen.
- ŠILOV, G. E. *Vvedenie v teoriyu lineĭnykh prostranstv*. Moscow, Gosudarstvennoe Izdatel'stvo Tehniko-Teoretičeskoj Literatury, 1952. 384 pp. 7.30 rubles.
- SOBOLEV, V. V. See AMBARCUMYAN, V. A.
- THRON, W. J. *Introduction to the theory of functions of a complex variable*. New York, Wiley, 1953. 10+230 pp. \$6.50.
- TORNIER, E., and DOMIZLAFF, H. *Theorie der Versuchsvorschriften der Wahrscheinlichkeitsrechnung*. Stuttgart, Kohlhammer, 1952. 108 pp. 12.00 DM.
- VINOGRADOV, I. M. *Izbrannye trudy*. Moscow, Izdatel'stvo Akademii Nauk SSSR, 1952. 436 pp., 1 plate. 21.70 rubles.
- WALLOT, J. *Grössengleichungen, Einheiten und Dimensionen*. Leipzig, Barth, 1953. 8+216 pp. 14.70 DM; bound, 16.35 DM.
- WANG, H., and MCNAUGHTON, R. *Les systèmes axiomatiques de la théorie des ensembles*. Paris, Gauthier-Villars, 1953. 55 pp. 750 fr.
- YANO, T. *Kokumin Sūhyō*. [*People's Tables*.] Tokyo, Kokuseisha, 1952. 4+146 pp., 1 plate. 230 Yen.