

NEW PUBLICATIONS

PART I. PURE MATHEMATICS

- ACKERMANN (W.). See ROTH (E.).
- BACHMANN (F.). See ROTH (E.).
- BUCHANAN (H. E.) and WAHLIN (G. E.). The elements of analytic geometry. New York, Farrar and Rinehart, 1937. 9+256 pp.
- BUCKNER (H.). Zur Differentialgeometrie der Kurven und Flächen fester Breite. (Schriften der Königsberger Gelehrten Gesellschaft, Naturwissenschaftliche Klasse, vol. 14, no. 1.) Halle, Niemeyer Verlag, 1937. 22 pp.
- CARATHÉODORY (C.). Geometrische Optik. (Ergebnisse der Mathematik und ihrer Grenzgebiete, vol. 4, no. 5.) Berlin, Springer, 1937. 2+104 pp.
- COURANT (R.). Differential and integral calculus. 2d edition. Vol. 1. Translated by E. J. McShane. London, Blackie, 1937. 14+616 pp.
- DEGOSANG (O.). See ROTHE (R.).
- DUTT (G. K.). See MITRA (S.).
- GENTZEN (G.). See ROTH (E.).
- GODEAUX (L.). Les géométries. Paris, Colin, 1937. 215 pp.
- HOPF (E.). Ergodentheorie. (Ergebnisse der Mathematik und ihrer Grenzgebiete, vol. 5, no. 2.) Berlin, Springer, 1937. 83 pp.
- KRATZER (A.). See ROTH (E.).
- LANGER (S. K.). An introduction to symbolic logic. London, Allen and Unwin, 1937. 363 pp.
- LOCHER (L.). Urphänomene der Geometrie. Part 1. Zurich and Leipzig, Orell Füssli Verlag, 1937. 16+164 pp.
- McSHANE (E. J.). See COURANT (R.).
- MITRA (S.) and DUTT (G. K.). A text book of the differential calculus. Cambridge, Heffer, 1937. 14+302 pp.
- O'HARA (C. W.) and WARD (D. R.). An introduction to projective geometry. Oxford, Clarendon Press, 1937. 9+298 pp.
- REES (P. K.). See SPARKS (F. W.).
- ROTH (E.). Axiomatische Untersuchungen zur projektiven, affinen und metrischen Geometrie. (Forschungen zur Logik und zur Grundlagen der exakten Wissenschaften, new series, no. 2. Edited by Heinrich Scholz, with the cooperation of W. Ackermann, F. Bachmann, G. Gentzen, and A. Kratzer.) Leipzig, Hirzel, 1937. 58 pp.
- ROTHE (R.). Differentialgeometrie. I. Raumkurven und Anfänge der Flächentheorie. (Sammlung Göschen, no. 1113.) Berlin and Leipzig, de Gruyter, 1937. 132 pp.
- Höhere Mathematik. Part IV: Übungsaufgaben mit Lösungen, Formelsammlung. Edited by O. Degosang. No. 5. Raumkurven und Flächen, Linienintegrale und mehrfache Integrale. 54 pp. No. 6. Gewöhnliche und partielle Differentialgleichungen nebst Anwendungen. 51 pp. (Teubners Mathematische Leitfäden, vols. 37, 38.) Leipzig and Berlin, Teubner, 1937.
- SCHOLZ (H.). See ROTH (E.).
- SPARKS (F. W.) and REES (P. K.). Plane trigonometry. With tables. New York, Prentice-Hall, 1937. 10+161+76 pp.
- STEPHENS (E.). The elementary theory of operational mathematics. New York and London, McGraw-Hill, 1937. 11+313 pp.

- SPEISER (A.). Die Theorie der Gruppen von endlicher Ordnung. 3d edition. Berlin, Springer, 1937. 10+262 pp.
- TARSKI (A.). Einführung in die mathematische Logik und in die Methodologie der Mathematik. Vienna, Springer, 1937. 10+166 pp.
- TITCHMARSH (E. C.). Introduction to the theory of Fourier integrals. Oxford, Clarendon Press, 1937. 390 pp.
- UNIVERSITY OF CHICAGO, DEPARTMENT OF MATHEMATICS. Contributions to the calculus of variations, 1933-37. Theses submitted to the Department of Mathematics of the University of Chicago. Chicago, University of Chicago Press, 1937. 7+566 pp.
- WAHLIN (G. E.). See BUCHANAN (H. E.).
- WARD (D. R.). See O'HARA (C. W.).
- ZACHARIAS (M.). Das Parallelenproblem und seine Lösung. Leipzig and Berlin, Teubner, 1937. 44 pp.
- ZASSENHAUS (H.). Lehrbuch der Gruppentheorie. Vol. 1. (Hamburger Mathematische Einzelschriften, no. 21.) Leipzig and Berlin, Teubner, 1937. 4+151 pp.

PART II. APPLIED MATHEMATICS

- ANGUS (R. W.). Hydraulics for engineers. 2d edition. London, Pitman, 1937. 12+336 pp.
- BEREK (M.). Optische Messmethoden im polarisierten Auflicht, insonderheit zur Bestimmung der Erzminerale, mit einer Theorie der Optik absorbierender Kristalle. Part 1: Mikroskopische Methoden bei senkrechtem Lichteinfall. (Sonderdruck aus Fortschritte der Mineralogie, Kristallographie und Petrographie, vol. 22, part 1.) Jena, Fischer, 1937. 104 pp.
- BERGMANN (L.). Schwingende Kristalle und ihre Anwendung in der Hochfrequenz- und Ultraschalltechnik. (Mathematisch-Physikalische Bibliothek, no. 93.) Leipzig, Teubner, 1937. 48 pp.
- BÖHM (F.). Versicherungsmathematik. I. Elemente der Versicherungsrechnung. (Sammlung Göschen, no. 180.) Berlin and Leipzig, de Gruyter, 1937. 151 pp.
- BRUNSCHVICG (L.). La physique du vingtième siècle et la philosophie. (Actualités Scientifiques et Industrielles, no. 445.) Paris, Hermann, 1936. 30 pp.
- BUHL (A.). Analogies corpusculaires et ondulatoires. (Mémoires des Sciences, no. 34.) Paris, Gauthier-Villars, 1937. 62 pp.
- CONSIGLIO NAZIONALE DELLE RICERCHE: COMITATO NAZIONALE FISICO. See PERUCCA (E.).
- DAUGHERTY (R. L.). Hydraulics: a text on practical fluid mechanics. 4th edition. New York and London, McGraw-Hill, 1937. 13+266 pp.
- DAVIES (G. R.) and YODER (D.). Business statistics. New York, Wiley; London, Chapman and Hall, 1937. 7+548 pp.
- FERMI (E.). Thermodynamics. New York, Prentice-Hall, 1937. 10+160 pp.
- FRANK (P.). La fin de la physique mécaniste. French translation by Jean Liénard. (Actualités Scientifiques et Industrielles, no. 414.) Paris, Hermann, 1936. 56 pp.
- GREEN (S. L.). Hydro- and aero-dynamics: a theoretical textbook for advanced students of aeronautics, hydraulics, physics, and mathematics. London, Pitman, 1937. 8+166 pp.
- HARMS (F.). See STRÖMGREN (B.).
- JEANS (J.). Science and music. Cambridge, University Press, 1937. 10+258 pp.
- JENKINS (F. A.) and WHITE (H. E.). Fundamentals of physical optics. New York and London, McGraw-Hill, 1937. 14+453 pp.

- KALLMANN (H.). Einführung in die Kernphysik. Leipzig and Vienna, Deuticke, 1937. 6+216 pp.
- LIÉNARD (J.). See FRANK (P.).
- LLOYD (L. S.). Music and sound. London, Oxford University Press, 1937. 14+181 pp.
- MCVITTIE (G. C.). Cosmological theory. London, Methuen, 1937. 8+103 pp.
- MACELWANE (J. B.). Introduction to theoretical seismology. Part I: Geodynamics. New York, Wiley, 1936. 10+366 pp.
- MATISSE (G.). La question de la finalité en physique et en biologie. Vol. 1: Principes généraux; lois d'économie, d'extremum, de simplicité. 45 pp. Vol. 2: Faits particuliers; dispositifs et phénomènes présentées par les êtres vivants; examen critique des théories. 69 pp. (Actualités Scientifiques et Industrielles, nos. 467, 468.) Paris, Hermann, 1937.
- MILLER (D. C.). Sound waves, their shape and speed: a description of the phonodeik and its applications and a report on a series of investigations made at Sandy Hook Proving Ground. New York, Macmillan, 1937. 11+164 pp.
- MOREAU (G.). Les déformations élastiques et plastiques des réseaux cristallins. (Mémoires des Sciences, no. 35.) Paris, Gauthier-Villars, 1937. 62 pp.
- PERUCCA (E.). Guida pratica per esperienze didattiche di fisica sperimentale. (Consiglio Nazionale delle Ricerche: Comitato Nazionale Fisico.) Bologna, Zanichelli, 1937. 12+644 pp.
- STRÖMGREN (B.), Edited by. Astrophysik. (Handbuch der Experimentalphysik, herausgegeben von W. Wien and F. Harms, vol. 26.) Leipzig, Akademische Verlagsgesellschaft, 1937. 15+998 pp.
- STRUTT (M. J. O.). Moderne Mehrgitter-Elektronenröhren. Vol. I: Bau, Arbeitsweise, Eigenschaften. Berlin, Springer, 1937. 7+131 pp.
- STUMPF (K.). Grundlagen und Methoden der Periodischenforschung. Berlin, Springer, 1937. 7+332 pp.
- TEISSIER (G.). Les lois quantitatives de la croissance. (Actualités Scientifiques et Industrielles, no. 455; exposés de biométrie et de statistique biologique, 11.) Paris, Hermann, 1937. 48 pp.
- TIMOSHENKO (S.) and YOUNG (D. H.). Engineering mechanics: dynamics. New York and London, McGraw-Hill, 1937. 12+323 pp.
- WHITE (H. E.). See JENKINS (F. A.).
- WHITTAKER (E. T.). A treatise on the analytical dynamics of particles and rigid bodies. With an introduction to the problem of three bodies. 4th edition. Cambridge, University Press; New York, Macmillan, 1937. 14+456 pp.
- WIEN (W.). See STRÖMGREN (B.).
- YODER (D.). See DAVIES (G. R.).
- YOUNG (D. H.). See TIMOSHENKO (S.).