

## EIGHTEENTH ANNUAL LIST OF PAPERS.

READ BEFORE THE AMERICAN MATHEMATICAL SOCIETY AND  
SUBSEQUENTLY PUBLISHED, INCLUDING REFERENCES  
TO THE PLACES OF THEIR PUBLICATION.

- AMES, L. D. A Simpler Proof of Lie's Theorem for Ordinary Differential Equations. Read (Chicago) Apr. 9, 1909. *Bulletin of the American Mathematical Society*, vol. 15, No. 8, pp. 384-386; May, 1909.
- BILL, E. G. The Construction of a Space Field of Extremals. Read Dec. 30, 1908. *Bulletin of the American Mathematical Society*, vol. 15, No. 8, pp. 374-378; May, 1909.
- BIRKHOFF, G. D. Boundary Value and Expansion Problems of Ordinary Linear Differential Equations. Read (Chicago) Mar. 30, 1907. *Transactions of the American Mathematical Society*, vol. 9, No. 4, pp. 373-395; Oct., 1908.
- Existence and Oscillation Theorem for a Certain Boundary Value Problem. Read (Chicago) Jan. 1, 1908. *Transactions of the American Mathematical Society*, vol. 10, No. 2, pp. 259-270; Apr., 1909.
- BLISS, G. A. See MASON, M.
- BÔCHER, M. On the Regions of Convergence of Power Series Which Represent Two-Dimensional Harmonic Functions. Read Oct. 25, 1902. *Transactions of the American Mathematical Society*, vol. 10, No. 2, pp. 271-278; Apr., 1909.
- BOLZA, O. The Determination of the Conjugate Points for Discontinuous Solutions in the Calculus of Variations. Read (Chicago) Mar. 30, 1907. *American Journal of Mathematics*, vol. 30, No. 3, pp. 209-221; July, 1908.
- Heinrich Maschke: His Life and Work. Read Sept. 10, 1908. *Bulletin of the American Mathematical Society*, vol. 15, No. 2, pp. 85-95; Nov., 1908.
- BUCHANAN, H. E. On Certain Determinants Connected with a Problem in Celestial Mechanics. Read (Chicago) Jan. 2, 1909. *Bulletin of the American Mathematical Society*, vol. 15, No. 5, pp. 227-231; Feb., 1909.
- CARMICHAEL, R. D. A Table of the Values of  $m$  Corresponding to Given Values of  $\phi(m)$ . Read (Chicago) Mar. 30, 1907. *American Journal of Mathematics*, vol. 30, No. 4, pp. 394-400; Oct., 1908.
- Even Multiply Perfect Numbers of Five Different Prime Factors. Read Apr. 27, 1907. *Bulletin of the American Mathematical Society*, vol. 15, No. 1, pp. 7-8; Oct., 1908.
- On the Geometric Properties of Quartic Curves Possessing Fourfold Symmetry with Respect to a Point. Read Oct. 26, 1907. *Annals of Mathematics*, Ser. 2, vol. 10, No. 2, pp. 81-87; Jan., 1909.
- On the General Tangent to Plane Curves. Read (Chicago) Apr. 18, 1908. *American Mathematical Monthly*, vol. 15, Nos. 8-9, pp. 153-157; Aug.-Sept., 1908.