

FIFTEENTH ANNUAL LIST OF PAPERS

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

AMES, L. D. Supplementary Communication on the Division of Space by a Closed Surface. Read Sept. 16, 1904. *American Journal of Mathematics*, vol. 27, No. 4, pp. 343-380; Oct., 1905.

BIRKHOFF, G. D. General Mean Value and Remainder Theorems with Applications to Mechanical Differentiation and Quadrature. Read Feb. 27, 1904. *Transactions of the American Mathematical Society*, vol. 7, No. 1, pp. 107-136; Jan., 1906.

BLISS, G. A. A Generalization of the Notion of Angle. Read Sept. 7, 1905. *Transactions of the American Mathematical Society*, vol. 7, No. 2, pp. 184-196; Apr., 1906.

— A Proof of the Fundamental Theorem of Analysis Situs. Read Dec. 28, 1905. *Bulletin of the American Mathematical Society*, vol. 12, No. 7, pp. 336-341; Apr., 1906.

BLISS, G. A. and MASON, MAX. A Problem of the Calculus of Variations in which the Integrand is Discontinuous. Read Oct. 28, 1905. *Transactions of the American Mathematical Society*, vol. 7, No. 2, pp. 325-336; Apr., 1906.

BOLZA, OSKAR. A Fifth Necessary Condition for a Strong Extremum of the Integral

$$\int_{x_0}^{x_1} F(x, y, y') dx.$$

Read Feb. 24, 1906. *Transactions of the American Mathematical Society*, vol. 7, No. 2, pp. 314-324; Apr., 1906.

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BROWN, E. W. On a General Method for Treating Transmitted Motions and its Application to Indirect Perturbations. Read Feb. 25, 1905. *Transactions of the American Mathematical Society*, vol. 6, No. 3, pp. 332-343; July, 1905.

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CARSTENS, MISS R. L. A Definition of Quaternions by Independent Postulates. Read Feb. 24, 1906. *Bulletin of the American Mathematical Society*, vol. 12, No. 8, pp. 392-394; May, 1906.

- CARVER, W. B. On the Cayley-Veronese Class of Configurations. Read Oct. 28, 1905. *Transactions of the American Mathematical Society*, vol. 6, No. 4, pp. 534-545; Oct., 1905.
- COBLE, A. B. On the Relation between the Three-Parameter Groups of a Cubic Space Curve and a Quadric Surface. Read Dec. 29, 1904. *Transactions of the American Mathematical Society*, vol. 7, No. 1, pp. 1-20; Jan., 1906.
- CURTISS, D. R. Sur la Théorie des Fonctions hypergéométriques. Read Sept. 16, 1904. *Annales Scientifiques de l'École Normale Supérieure*, ser. 3, vol. 22, No. 3, pp. 121-143; Mar., 1906.
- Theorems Converse to Riemann's on Linear Differential Equations. Read Apr. 29, 1905. *Transactions of the American Mathematical Society*, vol. 7, No. 1, pp. 99-106; Jan., 1906.
- On Certain Properties of Wronskians and Related Matrices. Read (Chicago) Apr. 14, 1906. *Bulletin of the American Mathematical Society*, vol. 12, No. 10, pp. 482-485; July, 1906.
- DAVIS, E. W. The Elliptic Functions and the General Symmetric Group in Four Letters. Read (Chicago) Dec. 31, 1903. *Nebraska University Studies*, vol. 4, No. 3, pp. 231-247; July, 1904.
- DICKSON, L. E. Subgroups of Order a Power of p in the General and Special m -ary Linear Homogeneous Groups in the $GF[p^a]$. Read Sept. 16, 1904. *American Journal of Mathematics*, vol. 27, No. 3, pp. 280-302; July, 1905.
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- On the Real Elements of Certain Classes of Geometrical Configurations. Read (Chicago) Apr. 22, 1905. *Annals of Mathematics*, ser. 2, vol. 6, No. 4, pp. 141-150; July, 1905.
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