

## TWENTY-FIFTH ANNUAL LIST OF PAPERS

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

- ALEXANDER, J. W., II. Functions which map the interior of the unit circle upon simple regions. Read April 24, 1915. *Annals of Mathematics*, ser. 2, vol. 17, No. 1, pp. 12-22; Sept., 1915.
- ALTSHILLER, N. On the circles of Apollonius. Read Aug. 3, 1915. *American Mathematical Monthly*, vol. 22, No. 8, pp. 261-263; Oct., 1915; No. 9, pp. 304-305; Nov., 1915.
- BARROW, D. F. Oriented circles in space. Read Jan. 2, 1915. *Transactions of the American Mathematical Society*, vol. 16, No. 3, pp. 235-258; July, 1915.
- BATEMAN, H. A certain system of linear partial differential equations. Read Feb. 26, 1916. *Bulletin of the American Mathematical Society*, vol. 22, No. 7, pp. 329-335; April, 1916.
- BEETLE, R. D. On the complete independence of Schimmack's postulates for the arithmetic mean. Read April 25, 1914. *Mathematische Annalen*, vol. 76, No. 4, pp. 444-446; June, 1915.
- Congruences associated with a one-parameter family of curves. Read Dec. 31, 1913 and Sept. 8, 1914. *American Journal of Mathematics*, vol. 37, No. 3, pp. 281-308; July, 1915.
- BENNETT, A. A. The iteration of functions of one variable. Read Aug. 4, 1915. *Annals of Mathematics*, ser. 2, vol. 17, No. 1, pp. 23-60; Sept. 1915.
- BERNSTEIN, B. A. A set of four independent postulates for Boolean algebras. Read Aug. 3, 1915. *Transactions of the American Mathematical Society*, vol. 17, No. 1, pp. 50-52; Jan., 1916.
- A simplification of the Whitehead-Huntington set of postulates for Boolean algebras. Read (San Francisco) Nov. 20, 1915. *Bulletin of the American Mathematical Society*, vol. 22, No. 9, pp. 458-459; June, 1916.
- BIRKHOFF, G. D. The restricted problem of three bodies. Read Dec. 30, 1913 and April 25, 1914. *Rendiconti del Circolo Matematico di Palermo*, vol. 39, No. 3, pp. 265-334; May-June, 1915.
- Theorem concerning the singular points of ordinary linear differential equations. Read Oct. 30, 1915. *Proceedings of the National Academy of Sciences*, vol. 1, No. 12, pp. 578-581; Dec., 1915.
- BLISS, G. A. A note on the problem of Lagrange in the calculus of variations. Read Dec. 31, 1915. *Bulletin of the American Mathematical Society*, vol. 22, No. 5, pp. 220-225; Feb., 1916.
- Jacobi's condition for problems of the calculus of variations in parametric form. Read (Chicago) April 2, 1915. *Transactions of the American Mathematical Society*, vol. 17, No. 2, pp. 195-206; April, 1916.

- BLUMBERG, H. On the factorization of various types of expressions. Read (Southwestern Section) Nov. 28, 1914 and (Chicago) Dec. 29, 1914. *Proceedings of the National Academy of Sciences*, vol. 1, No. 6, pp. 374-381; June, 1915.
- BUCHANAN, D. Oscillations near one of the isosceles-triangle solutions of the three body problem. Read Jan. 1, 1913. *Proceedings of the London Mathematical Society*, ser. 2, vol. 14, No. 4, pp. 278-300; July, 1915.
- A new isosceles-triangle solution of the three body problem. Read (Chicago) Dec. 28, 1914. *Transactions of the American Mathematical Society*, vol. 16, No. 3, pp. 259-274; July, 1915.
- CAJORI, F. The history of Zeno's arguments on motion: phases in the development of the theory of limits. Read Sept. 9, 1913 and (Chicago) April 11, 1914. *American Mathematical Monthly*, vol. 22, No. 5, pp. 143-149; May, 1915: No. 6, pp. 179-186; June, 1915: No. 7, pp. 215-220; Sept., 1915: No. 8, pp. 253-258; Oct., 1915: No. 9, pp. 292-297; Nov., 1915.
- CARMICHAEL, R. D. On the representation of numbers in the form  $x^3 + y^3 + z^3 - 3xyz$ . Read Aug. 3, 1915. *Bulletin of the American Mathematical Society*, vol. 22, No. 3, pp. 111-117; Dec., 1915.
- Diophantine analysis (Mathematical Monograph Series, No. 16); pp. 35-58, 62-66, 77-84, 104-111. Read (Chicago), April 3, 1915. New York, Wiley, 1915.
- On the solutions of linear homogeneous difference equations. Read (Chicago) April 3, 1915. *American Journal of Mathematics*, vol. 38, No. 2, pp. 185-220; April, 1916.
- CARPENTER, A. F. Ruled surfaces whose flecnodal curves have plane branches. Read (Chicago) Dec. 28, 1914. *Transactions of the American Mathematical Society*, vol. 16, No. 4, pp. 509-532; Oct., 1915.
- COBLE, A. B. An isomorphism between theta characteristics and the  $(2p + 2)$ -point. Read Jan. 1, 1915. *Annals of Mathematics*, ser. 2, vol. 17, No. 3, pp. 101-112; March, 1916.
- CUMMINGS, L. D., and WHITE, H. S. Groupless triad systems on fifteen elements. Read April 24, 1915. *Bulletin of the American Mathematical Society*, vol. 22, No. 1, pp. 12-16; Oct., 1915.
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- DICKSON, L. E. Geometrical and invariantive theory of quartic curves modulo 2. Read (Chicago) April 2, 1915. *American Journal of Mathematics*, vol. 37, No. 4, pp. 337-354; Oct., 1915.
- Invariantive classification of pairs of conics modulo 2. Read Aug. 3, 1915. *American Journal of Mathematics*, vol. 37, No. 4, pp. 355-358; Oct., 1915.
- On the twenty-eight bitangents to a quartic curve. Read (Chicago) April 11, 1914. Chapter 19 of Theory and applications of finite groups, by G. A. Miller, H. F. Blichfeldt and L. E. Dickson. New York, Wiley, 1916.

- EISENHART, L. P. Conjugate systems with equal tangential invariants and the transformation of Moutard. Read Sept. 8, 1914. *Rendiconti del Circolo Matematico di Palermo*, vol. 39, No. 2, pp. 153-176; March-April, 1915.
- Surfaces  $\Omega$  and their transformations. Read Jan. 1, 1915. *Transactions of the American Mathematical Society*, vol. 16, No. 3, pp. 275-310; July, 1915.
- Surfaces with isothermal representation of their lines of curvature as envelopes of rolling. Read Oct. 30, 1915. *Annals of Mathematics*, vol. 17, No. 2, pp. 64-71; Dec., 1915.
- Transformations of surfaces  $\Omega$  (second memoir). Read Dec. 28, 1915. *Transactions of the American Mathematical Society*, vol. 17, No. 1, pp. 53-99; Jan., 1916.
- EMCH, A. A certain class of functions connected with Fuchsian groups. Read April 24, 1915. *Bulletin of the American Mathematical Society*, vol. 22, No. 1, pp. 33-37; Oct., 1915.
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- EVANS, G. C. The non-homogeneous differential equation of parabolic type. Read Sept. 8, 1914. *American Journal of Mathematics*, vol. 37, No. 4, pp. 431-438; Oct., 1915.
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- GILLESPIE, D. C. The Cauchy definition of a definite integral. Read Sept. 9, 1914. *Annals of Mathematics*, ser. 2, vol. 17, No. 2, pp. 61-63; Dec., 1915.
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- On the linear dependence of functions of several variables, and certain completely integrable systems of partial differential equations. Read Oct. 30, 1915. *Proceedings of the National Academy of Sciences*, vol. 2, No. 4, pp. 209–214; April, 1916.
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- GRONWALL, T. H. A functional equation in the kinetic theory of gases. Read April 24, 1915. *Annals of Mathematics*, ser. 2, vol. 17, No. 1, pp. 1–4; Sept., 1915.
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- HASKINS, C. N. On the zeros of the function  $P(x)$  complementary to the incomplete gamma function. Read Jan. 2, 1915. *Transactions of the American Mathematical Society*, vol. 16, No. 4, pp. 405–412; Oct., 1915.
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- H'DOUBLER, F. T. See VAN VLECK, E. B.
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- KELLOGG, O. D. The oscillation of functions of an orthogonal set. Read (Southwestern Section) Nov. 29, 1913. *American Journal of Mathematics*, vol. 38, No. 1, pp. 1-5; Jan., 1916.
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- STOUFFER, E. B. On seminvariants of linear homogeneous differential equations. Read (Chicago) April 3, 1915. *Proceedings of the London Mathematical Society*, ser. 2, vol. 15, No. 3, pp. 217-226; May, 1916.
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- See CUMMINGS, L. D.
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