

BIBLIOGRAPHY

- E. Artin (1924). Quadratische Körper im Gebiet der höheren Kongruenzen I, II. Math. Z. 19, 153-246.
- (1955). Elements of Algebraic Geometry. Lecture Notes, New York Univ., Inst. of Math. Sciences.
- J. Ax (1964). Zeros of polynomials over finite fields. Amer. J. Math. 86, 255-261.
- E. Bertini (1882). Rendiconti R. Ist. Lombardo 15, 24-28.
- A. S. Besicovitch (1940). On the linear independence of fractional powers of integers. J. London Math. Soc. 15, 3-6.
- E. Bombieri (1966). On Exponential Sums in Finite Fields. Am. J. Math. 88, 71-105.
- (1973). Counting points on curves over finite fields (d'après S. A. Stepanov). Séminaire Bourbaki, 25e année 1972/73, No. 430, Juin 1973.
- Z. I. Borevich and I. R. Shafarevich (1966). Number theory. Academic Press. (Translated from the 1964 Russian Ed.)
- L. Carlitz (1969). Kloosterman sums and finite field extensions. Acta Arith. 16, 179-193.
- L. Carlitz and S. Uchiyama (1957). Bounds for exponential sums. Duke Math. J. 24, 37-41.
- J. H. H. Chalk and R. A. Smith (1971). On Bombieri's estimate for exponential sums. Acta Arith. 18, 191-212.
- C. Chevalley (1935). Démonstration d'une hypothèse de M. Artin. Abh. Math. Sem. Hamburg 11, 73-75.
- H. Davenport and H. Hasse (1935). Nullstellen der Kongruenzzetafunktionen in gewissen zyklischen Fällen. J. Reine Ang. Math. 172, 151-182.
- P. Deligne (1973). La conjecture de Weil. I. Inst. des Hautes Etudes Scientifiques Pub. Math. No. 48, 273-308.
- M. Deuring (1958). Lectures on the theory of algebraic functions of one variable. (Tata Institute) (1973 Springer lecture notes No. 314).
- B. Dwork (1960). On the rationality of the zeta function of an algebraic variety. Am. J. Math. 82, 631-648.
- M. Eichler (1963). Einführung in die Theorie der algebraischen Zahlen und Funktionen. Birkhäuser Verlag.
- C. F. Gauss (1801). Disquisitiones Arithmeticae. Fischer Verlag, Leipzig.

- H. Hasse (1936a). Theorie der höheren Differentiale in einem algebraischen Funktionenkörper mit vollkommenem Konstantenkörper bei beliebiger Charakteristik. *J. Reine Ang. Math.* 175, 50-54.
- (1936b). Zur Theorie der abstrakten elliptischen Funktionenkörper -- II. *J. Reine Ang. Math.* 175, 69-88.
- (1936c). Zur Theorie der abstrakten elliptischen Funktionenkörper -- III. *Ibid.* 193-208.
- D. Hilbert (1892). Über die Irreduzibilität ganzer rationaler Funktionen mit ganzzahligen Koeffizienten. *J. Reine Ang. Math.* 110, 104-129.
- J. R. Joly (1973). Equations et variétés algébriques sur un corps fini. *L'Enseignement Math.* (2) 19, 1-113.
- S. Lang (1958). Introduction to algebraic geometry. Interscience, New York - London.
- (1961). Diophantine Geometry. Interscience, New York - London.
- S. Lang and A. Weil (1954). The number of points of varieties in finite fields. *Am. J. Math.* 76, 819-827.
- D. A. Mitkin (1972). On the estimation of a rational trigonometric sum with a prime denominator (In Russian). *Vestnik Moscow Univ. (Mat., Mech.)* 5, 50-58.
- D. Mumford (). Lecture Notes on Algebraic Geometry. Harvard University.
- L. B. Nisnevich (1954). On the number of points of an algebraic variety in a finite prime field. (In Russian). *Dokl. Akad. Nauk SSSR* 99, 17-20.
- E. Noether (1922). Ein algebraisches Kriterium für absolute Irreduzibilität. *Math. Ann.* 85, 26-33.
- A. Ostrowski (1919). Zur arithmetischen Theorie der algebraischen Größen. *Göttinger Nachr.* 279-298.
- G. I. Perelmuter (1962). On certain character sums. (In Russian). *Dokl. Akad. Nauk SSSR* 144, 58-61.
- G. I. Perelmuter and A. G. Postnikov (1972). On the number of solutions of monic equations. (In Russian). *Acta Arith.* 21, 103-110.
- A. G. Postnikov (1967). Ergodic Aspects of the theory of congruences and of the theory of Diophantine Approximation. Transl. from the 1966 Russian ed. (Steklov Inst. of Math. No. 82). Am. Math. Soc., Providence, R. I.
- P. Roquette (1953). Arithmetischer Beweis der Riemannschen Vermutung in Kongruenzzetafunktionenkörpern beliebigen Geschlechts. *J. Reine Ang. Math.* 191, 199-252.

- W. M. Schmidt (1973). Zur Methode von Stepanov. *Acta Arith.* 24, 347-367.
- (1974). A Lower Bound for the Number of Solutions of Equations over Finite Fields. *J. Number Theory* 6, 448-480.
- I. R. Shafarevich (1974). Basic Algebraic Geometry (Transl. from the 1972 Russian Ed.) Springer Grundlehren, 213.
- H. M. Stark (1973). On the Riemann Hypothesis in hyperelliptic function fields. AMS, Proc. of Symposia in Pure Math. 24, 285-302.
- S. A. Stepanov (1969). The number of points of a hyperelliptic curve over a prime field (In Russian). *Izv. Akad. Nauk SSSR Ser. Mat.* 33, 1171-1181.
- (1970). Elementary method in the theory of congruences for a prime modulus. *Acta Arith.* 17, 231-247.
- (1971). Estimates of rational trigonometric sums with prime denominators (In Russian). *Trudy Akad. Nauk* 62, 346-371.
- (1972a). An elementary proof of the Hasse-Weil Theorem for hyperelliptic curves. *J. Number Theory* 4, 118-143.
- (1972b). Congruences in two variables. (In Russian). *Izv. Akad. Nauk SSSR, Ser. Mat.* 36, 683-711.
- (1974). Rational points on algebraic curves over finite fields (In Russian). Report of a 1972 conference on analytic number theory in Minsk, USSR, 223-243.
- O. Teichmüller (1936). Differentialrechnung bei Charakteristik p. *J. Reine Ang. Math.* 175, 89-99.
- A. Thue (1909). Über Annäherungswerte algebraischer Zahlen. *J. Reine Ang. Math.* 135, 284-305.
- B. L. Van der Waerden (1955). Algebra I, II (3rd ed.). Springer-Verlag. Berlin-Göttingen-Heidelberg.
- E. Warning (1935). Bemerkung zur vorstehenden Arbeit von Herrn Chevalley. *Abh. Math. Sem. Hamburg* 11, 76-83.
- A. Weil (1940). Sur les fonctions algébriques à corps de constantes fini. *C. R. Acad. Sci. Paris* 210, 592-594.
- (1948a). Sur les courbes algébriques et les variétés qui s'en déduisent. *Actualités sci. et ind.* No. 1041.
- (1948b). On some exponential sums. *Proc. Nat. Acad. Sci. USA* 34, 204-207.
- (1949). Solutions of equations in finite fields. *Bull. Am. Math. Soc.* 55, 497-508.
- O. Zariski (1941). Pencils on an algebraic variety and a new proof of a theorem of Bertini. *Trans. A.M.S.* 50, 48-70.
- O. Zariski and P. Samuel (1958). Commutative Algebra I, II. D. Van Nostrand Company. Princeton - New York - London - Toronto.