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Nota di contenuto	<p>""Contents""; ""Applications of curves over finite fields""; ""1. Beyond Weil bounds; curves with many rational points""; ""Curve sequences with asymptotically many rational points""; ""Shimura curves over finite fields and their rational points""; ""Distribution of minimal ideals in imaginary quadratic function fields""; ""Division points of Drinfeld modules and special values of Weil L-functions""; ""Constructing curves over finite fields with many points by solving linear equations""; ""On maximal curves having classical Weierstrass gaps""</p> <p>""2. Monodromy groups of characteristic p covers""""Twice more nice equations for nice groups""; ""Linearized algebra and finite groups of Lie type: I: Linear and symplectic groups""; ""Regular realization of Abelian groups with controlled ramification""; ""On reduction of covers of arithmetic surfaces""; ""Function field sieve method for discrete logarithms over finite fields""; ""3. Zeta functions and trace formulas""; ""A quick introduction to Dwork's conjecture""; ""On the degree of the zeta function of a complete intersection""; ""The modular points of a genus 2 quotient of X0 (67)""</p> <p>""Function fields: Arithmetic and applications""""Spanning trees in subgraphs of lattices""; ""Average rank for elliptic curves and a</p>

