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Nota di contenuto	Algebraic geometry and coding theory an introduction -- Reed-Muller codes associated to projective algebraic varieties -- Decoding Algebraic-Geometric Codes by solving a key equation -- On the different of abelian extensions of global fields -- Goppa codes and Weierstrass gaps -- On a characterization of some minihypers in $PG(t, q)$ ($q=3$ or 4) and its applications to error-correcting codes -- Deligne-Lusztig varieties and group codes -- Spectra of linear codes and error probability of decoding -- On the true minimum distance of Hermitian codes -- Sphere packings centered at S -units of algebraic tori -- A function field related to the Ree group -- On the gonality of curves, abundant codes and decoding -- Curves with many points and multiplication in finite fields -- The domain of covering codes -- Some remarks on the asymptotic number of points -- On the weights of trace codes -- Minoration de Certaines Sommes Exponentielles Binaires -- Linear codes, strata of Grassmannians, and the problems of segre.
Sommario/riassunto	About ten years ago, V.D. Goppa found a surprising connection between the theory of algebraic curves over a finite field and error-correcting codes. The aim of the meeting "Algebraic Geometry and Coding Theory" was to give a survey on the present state of research in this field and related topics. The proceedings contain research papers on several aspects of the theory, among them: Codes constructed from special curves and from higher-dimensional varieties, Decoding of

algebraic geometric codes, Trace codes, Exponential sums, Fast multiplication in finite fields, Asymptotic number of points on algebraic curves, Sphere packings.
