Meeting: 1003, Atlanta, Georgia, SS 13A, AMS Special Session on Algebraic Geometry Codes

1003-14-267 **Gary L. Salazar*** (`gsalazar@trinity.edu`), Department of Mathematics, Trinity University, One Trinity Place, San Antonio, TX 78212-7200. *Affine Variety Codes from Generalized C_{ab} Curves.* Preliminary report.

We generalize the Miura-Kamiya C_{ab} curves and discuss the minimum distance of affine variety codes defined from them. We shall give particular attention to the case when $\gcd(a, b) = 2$. (Received September 05, 2004)