

Meeting: 1003, Atlanta, Georgia, SIAMMINI 3, SIAM Minisymposium on Error-Correcting Codes

1003-94-511 **Steven T Dougherty*** (doughertys1@scranton.edu), Department of Mathematics, University of Scranton, Scranton, PA 18510, and **San Ling**. *Cyclic codes over even length over the integers modulo 4.*

We determine the structure of cyclic codes over Z_4 for arbitrary even lengths giving the generating polynomials for these codes. We describe the duals of these codes and we give the number of such codes. (Received September 18, 2004)