

Meeting: 1005, Newark, Delaware, SS 5A, Special Session on Designs, Codes, and Geometries

1005-94-67 **Chris M Jones*** (cjones@stmarys-ca.edu), PO Box 3076, Moraga, CA 94575. *On the non-existence of certain Optimal Codes over F_8* . Preliminary report.

We show the non-existence of certain 4 dimensional Greismer codes over $GF(8)$. We use the divisibility of the hypothetical codes and techniques from combinatorics and projective geometry to show that the given codes do not exist. (Received January 26, 2005)