

**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)