1001-94-75   **Christopher M Jones*** (`cjones@stmarys-ca.edu`), PO Box 3076, Moraga, CA 94575. *On Optimal linear codes over GF(8).* Preliminary report.

We show the non-existence of certain 4-dimensional linear codes of 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 August 09, 2004)