Finley Freibert* (freiberf@ohiodominican.edu). Equivalency classes of binary nonsingular square matrices related to a generalization of self-dual codes.

Complementary information set codes (or CIS codes) are a generalization of self-dual codes defined by Carlet, Gaborit, Kim, and Sole in “A new class of codes for Boolean masking of cryptographic computations.” A CIS code is a binary $[2n, n]$ code which has two disjoint information sets. We will discuss a classification method for CIS codes and the results of this method for CIS codes of length 14 and 16. (Received August 09, 2013)