1011-05-127   **Vera Pless*** (`pless@math.uic.edu`), Math.Dept., University of Illinois at Chicago, 851 S. Morgan Street, Chicago, IL 60607. *Mathematical Topics in Coding Theory.* Preliminary report.

We talk about the interrelated topics of codes and designs, self-dual codes, and codes meeting the bounds on minimum weight given by the McWilliams identities.

Historical origins will be given and classifications of self-dual and formally self-dual even codes will be summarized. Latest results on near-extremal formally self-dual even codes will be mentioned. (Received August 22, 2005)