1123-94-155Padmapani Seneviratne* (padmapani.seneviratne@tamuc.edu), Texas A&M University -
Commerce, 2600 South Neal St, Commerce, TX 75428. A class of self-orthogonal three weight
codes. Preliminary report.

Recently ,there has been a growing interest in studying three weight codes due to their connections to three-class association schemes and cryptography. In this work, we construct a new class of self-orthogonal three-weight codes. Further, we determine the automorphism group and suitable PD-sets for permutation decoding of these codes. (Received August 24, 2016)