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Jay A. Wood* (jay.wood@wmich.edu), Department of Mathematics, Western Michigan University, 1903 W. Michigan Ave., Kalamazoo, MI 49008-5248. *Relative One-Weight Codes*.

A linear code C is a *relative one-weight code* with respect to a linear subcode C_1 if every element of C that is not in C_1 has the same weight. This definition is due to Z. Liu and W. Chen (2010).

In this talk, a general construction of relative one-weight codes will be given that is valid over any finite Frobenius ring equipped with the homogeneous weight. As an application, certain linear two-weight codes will be described. (Received August 15, 2011)