1046-15-708Adam H Berliner\* (berliner@math.wisc.edu), Van Vleck Hall, 480 Lincoln Dr., Madison, WI53706. On m-convertible matrices. Preliminary report.

If B is a (0, 1, -1)-matrix for which there is a nonzero term in the classical determinant expansion and each nonzero term has the same sign then B is called *sign-nonsingular* and A = |B| is called *convertible*. These matrices have been studied extensively in the literature. In this talk we will explore properties of certain types of convertible matrices and the notion of *m*-convertibility. That is, when is it possible to write per(A) as the sum of determinants of signings of A in such a way that results in an algebraic identity? (Received September 10, 2008)