

Meeting: 1003, Atlanta, Georgia, SS 8A, AMS Special Session on Modular Representation Theory of Finite and Algebraic Groups, I

1003-20-984 **Peter K Sin*** (sin@math.ufl.edu), Dept of Mathematics, 358 Little Hall, University of Florida,
P.O. Box 118105, Gainesville, FL 32611-8105. *Permutation modules and incidence matrices.*

We discuss recent results on the structure of permutation modules for groups of Lie type, and their application to computing invariants of incidence matrices arising from finite geometry and design theory. (Received October 01, 2004)