1051-22-65    **Hongyu He\*** (`hongyu@math.lsu.edu`), Department of Mathematics, Louisiana State University, Baton Rouge, LA 70803, and **Huajun Huang** (`huanghu@auburn.edu`), Department of Math, Auburn University, Auburn, AL. *Symmetric Subgroup Action on Isotropic Grassmanian.*

Functions on Isotropic Grassmanian can be used to construct the degenerate principal series. In this talk, I will discuss the action of a symmetric subgroup on the isotropic Grassmanian. There are finite number of orbits, parametrized by Matsuki-Springer. We will classify the structure of each orbit and determine the open orbits. (Received August 11, 2009)