1041-16-239   **Julia Pevtsova*** (`julia@math.washington.edu`). *Modules of Constant Jordan type.*

I shall describe a particular class of representations of finite groups, "modules of constant Jordan type", introduced in a joint work with J. Carlson and E. Friedlander. Modules of constant Jordan type are intimately related to vector bundles on projective varieties via a family of naturally constructed functors. I shall illustrate the connection in the case of an elementary abelian group for which modules of constant Jordan type allow to realize (Frobenius twist of) any vector bundle on the projective space. Based on joint works with E. Friedlander and D. Benson. (Received August 12, 2008)