1043-20-184   **Zongzhu Lin*** (`zlin@math.ksu.edu`), Department of Mathematics, Cardwell Hall 138, Kansas State University, Manhattan, KS 66506. *Frobenius twisted conjugacy classes of matrices.* Preliminary report.

The question of classifying conjugacy classes of matrices under various groups has been connected to many different subjects of mathematics. In this talk I will talk about Frobenius twisted conjugacy classes of matrices in positive characteristics and their applications to other representation theories. (Received August 26, 2008)