

1052-55-25

**Kijti Rodtes\*** (pmp06kr@sheffield.ac.uk), Department of Pure mathematics, School of Mathematics and Statistics, Hicks Building, The University Of Sheffield, Sheffield, S3 7RH. *The connective K-theory of finite groups*. Preliminary report.

The connective real K-homology of a finite group  $G$ ,  $ko_*(BG)$ , plays an important role in Gromov-Lawson-Rosenberg (GLR) conjecture. In order to calculate them, we can compute from  $ku^*(BG)$  via Bockstein spectral sequence (BSS) followed by Greenlees spectral sequence or compute from  $ku_*(BG)$  by using BSS. In this talk, we will show how to calculate  $ku^*(BG)$  and  $ku_*(BG)$ , for finite groups especially on Semidihedral group (order 16), by using the process developed by J.P.C. Greenlees and R.R. Bruner. (Received August 27, 2009)