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**Yunze Lu\*** (yunze@umich.edu). *RO(G)-graded coefficients of  $D_{2p}$ -equivariant cohomology.*

Let  $G$  be the dihedral group with  $2p$  elements when  $p$  is a prime number. In this talk I will give an equivariant CW structure for real representation spheres of  $G$  and use that to compute the  $RO(G)$ -graded coefficients of equivariant cohomology with constant coefficients. If time permits, I will also explain the modifications needed for the Burnside ring case. (Received July 01, 2018)