1151-20-203 **Deniz Yilmaz***, 1156 High Street, Santa Cruz, CA 95064, and **Serge Bouc**. *Diagonal p-permutation functors.*

Let k be an algebraically closed field of positive characteristic p, and $\mathbb{F}$ be an algebraically closed field of characteristic 0. In this talk, we consider the $\mathbb{F}$-linear category $\mathbb{F}pp_k^\Delta$ of finite groups, in which the set of morphisms from G to H is the $\mathbb{F}$-linear extension of the Grothendieck group of p-permutation (kH, kG)-bimodules with (twisted) diagonal vertices. We call the $\mathbb{F}$-linear functors from $\mathbb{F}pp_k^\Delta$ to $\mathbb{F}$-Mod as *diagonal p-permutation functors*. They form an abelian category $\mathcal{F}_{pp_k}^\Delta$. We focus in particular the functor that sends a finite group G to the Grothendieck group of p-permutation kG-modules and show that it is a semisimple object of $\mathcal{F}_{pp_k}^\Delta$. This is a joint work with Serge Bouc. (Received August 19, 2019)