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**Robert Boltje\*** ([boltje@ucsc.edu](mailto:boltje@ucsc.edu)). *Analyzing tensor products of  $p$ -permutation bimodules.*

Let  $k$  be a field of characteristic  $p > 0$  and  $G$  a finite group. A finitely generated  $kG$ -module is called a  $p$ -permutation module if its restriction to a Sylow  $p$ -subgroup of  $G$  is a permutation module. Similarly, one defines  $p$ -permutation  $(kG, kH)$ -bimodules by identifying them with  $k[G \times H]$ -modules. Such bimodules play a central role in the strongest version of Broué's Abelian Defect Group Conjecture. We present three different ways to analyze the tensor product of two  $p$ -permutation bimodules. (Received January 22, 2018)