Peirce graded algebras of Jordan type Jonathan Hall^{*}, Felix Rehren and Sergey Shpectorov Michigan State University, USA

Griess-Majorana-Miyamoto algebras (associated with vertex operator algebras) and Jordan algebras can be generated by idempotents whose associated Peirce decompositions are graded by the group of order 2. With appropriate additional conditions, we classify all such algebras generated by two idempotents. As a consequence, in the non-Jordan case the algebra is always a quotient of the natural permutation module for a 3-transposition group, no matter how many generators.