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*Universal deformation rings and dihedral defect groups*

Let  $k$  be an algebraically closed field of characteristic 2, and let  $W$  be the ring of infinite Witt vectors over  $k$ . Suppose  $G$  is a finite group, and  $B$  is a block of  $kG$  with dihedral defect group  $D$  which is Morita equivalent to the principal 2-modular block of a finite simple group. We determine the universal deformation ring  $R(G, V)$  for every  $kG$ -module  $V$  which belongs to  $B$  and has stable endomorphism ring  $k$ . It follows that  $R(G, V)$  is always isomorphic to a subquotient ring of  $WD$ . Moreover, we obtain an infinite series of examples of universal deformation rings which are not complete intersections.