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*Principal Subspaces of Twisted Modules of Lattice Vertex Operator Algebras.*

Given an even lattice,  $L$ , with a certain positivity condition, and an automorphism that fixes the principal subalgebra  $WL$  of the lattice vertex algebra  $V_L$ , we explore the principal subspace of the associated twisted  $V_L$ -module. We describe this twisted module in terms of the quotient of a polynomial algebra by an ideal generated by certain quadratic relations. In addition, the graded dimensions are found. (Received September 20, 2016)