



Representations of cyclic groups in positive characteristic and Weierstrass semigroups

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We study the $k[G]$ -module structure of the space of holomorphic differentials of a curve defined over an algebraically closed field of positive characteristic, for a cyclic group G of order p^n . We also study the relation to the Weierstrass semigroup for the case of Galois Weierstrass points.

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