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**Aaron Wootton\*** (wootton@up.edu), 5000 North Willamette Blv.d, Portland, OR 97203. *The Full Automorphism Group of a Cyclic  $p$ -gonal Surface.*

For a given prime number  $p$ , a cyclic  $p$ -gonal surface  $X$  is a compact Riemann surface of genus  $g \geq 2$  which admits a group of automorphisms  $C_p$  of order  $p$  such that the quotient space  $X/C_p$  has genus 0. We shall show how the ramification data of the corresponding quotient maps together with some elementary finite group theory can be used to determine the full automorphism group of a cyclic  $p$ -gonal surface. (Received February 15, 2007)