

1046-14-275

**Rakinawasan Sanjeewa\*** (rsanjeew@oakland.edu), Oakland University, Department Of Mathematics and Statistics, Rochester, MI 48309, and **Tanush Shaska**. *Automorphism groups of cyclic curves defined over finite fields of any characteristics.*

We will discuss automorphism groups of algebraic cyclic curves defined over an algebraically closed field of any characteristic  $p \neq 2$  and for any genus  $g \geq 2$ . We will give the list of all groups  $G$  of genus  $g < 10$ . For each  $g$  and  $G$  we will provide an equation for the corresponding curve. (Received August 25, 2008)