

1079-14-126

Milagros Izquierdo* (milagros.izquierdo@liu.se), Department of Mathematics, Linköping University, 58183 Linköping, Sweden, and **Gabriel Bartolini** (gabar@mai.liu.se).

Automorphisms groups of real cyclic p-gonal Riemann surfaces.

A real cyclic p-gonal Riemann surface can be seen as a complex curve with equation of the form $y^p = Q(x)$, where $Q(x)$ is a polynomial over the real numbers. We find the automorphisms groups of real cyclic p-gonal Riemann surfaces for p a odd prime number. the automorphisms groups of hyperelliptic Riemann surfaces where described by Bujalance, Cirre, Gamboa and Gromadzki. (Received January 05, 2012)