

1137-14-149

**Lubjana Beshaj\***, 13 Autumn Leaf, 2-2, Highland Falls, NY 10928. *Minimal Models for Superelliptic Riemann Surfaces with Extra Automorphism.*

A Riemann surface with affine equation of the form  $y^n = f(x)$  is called a superelliptic Riemann surface. For such Riemann surfaces with extra automorphisms we will discuss how to find minimal integral equations when possible. We will briefly describe reduction theory through the work of G. Julia and some recent developments. (Received February 01, 2018)