

**On compact Riemann surfaces and hypermaps of  
genus  $p + 1$  where  $p$  is prime**

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In this talk we shall discuss a classification of compact Riemann surfaces of genus  $g$ , where  $g - 1$  is a prime  $p$ , which have a group of automorphisms of order  $\rho(g - 1)$  for some integer  $\rho \geq 1$ . We also provide isogeny decompositions of their Jacobian varieties. As a consequence, a classification of orientably regular hypermaps of genus  $p + 1$  with automorphism group of order divisible by the prime  $p$  is obtained.