

1042-03-38

Valentina S. Harizanov*, Department of Mathematics, George Washington University,
Washington, DC 20052. *Computable properties of abelian p -groups.*

In 1988, Khisamiev gave a characterization of reduced abelian p -groups with computable isomorphic copies, but only for those of length less than ω^2 . We will present some recent results, obtained jointly with Calvert, Cenzer, Knight, Morozov, and Quinn, on the index sets and on the complexity of isomorphisms of computable abelian p -groups, as well as the remaining related open problems. (Received July 30, 2008)