

1122-20-304 **Liudmila Sabinina*** (liudmila.sabinina@gmail.com), Cinc UAEM, 62360 Cuernavaca,
Morelos, Mexico. *Half-Automorphisms of Cayley- Dickson loops.*

We study the groups of half-automorphisms of Cayley- Dickson loops. We introduce the concept of elementary mapping and show that for octonions the group of half-automorphisms is the product of the group, generated by elementary mappings and the group of automorphisms of the octonions. This talk is based on the joint work with P. Plaumann and M. L. Merlini Giuliani. (Received August 15, 2016)