

1138-20-396

Lee Raney* (lraney@una.edu), Florence, AL , and **Mark Greer** (mgreer@una.edu), Florence, AL. *Γ -loops of order p^2q* . Preliminary report.

Γ -loops are commutative loops which often arise from finite groups of odd order via a construction known as the Baer trick. Utilizing a known correspondence between certain classes of Γ -loops and Bruck loops, we provide structural results on Γ -loops of order p^2q (where p and q are odd primes) and determine whether such a loop is an automorphic loop. (Received February 13, 2018)