

1114-20-301

Mark Greer and **Lee Raney*** (lraney@una.edu), One Harrison Plaza, UNA Box 5124,
University of North Alabama, Florence, AL 35632. *Semidirect Products of Loops with Groups.*

After surveying some recent results, we investigate loops which can be written as a semidirect product of a loop and a group, and we provide necessary and sufficient conditions for such a loop to be Moufang. We also examine closure properties of a class of loop extensions which arise as a result of a finite cyclic group acting as a group of semiautomorphisms of an inverse property loop. (Received August 31, 2015)