

1119-17-65

**Gregory Peter Wene\*** ([greg.wene@utsa.edu](mailto:greg.wene@utsa.edu)), Department of Mathematics, The University of Texas at San Antonio, One UTSA Circle, San Antonio, TX 78249-0624. *Semifields antiisomorphic to themselves.*

D. E. Knuth, D. E., Finite semifields and projective planes, J. Algebra 2 (1965), 182-217, pointed out that his system  $V$  is antiisomorphic to itself. Trivially any commutative semifield shares this property as does the unique non-primitive non-commutative semifield of order 64. We construct a large collection of semifields for all prime characteristics, quadratic over a weak nucleus, that are antiisomorphic to themselves. (Received February 05, 2016)