

1077-20-856

John C. Meakin* (jmeakin@math.unl.edu), Department of Mathematics, University of Nebraska-Lincoln, Lincoln, NE 68588. *Subgroups of semigroups freely generated by idempotent matrices*. Preliminary report.

We discuss recent progress on the problem of determining the structure of the maximal subgroups of the free idempotent generated semigroup on the biordered set of idempotents of a ring. The structure of these groups is not yet known, even if the ring is the ring of $n \times n$ matrices over a division ring. (Received September 13, 2011)