

1023-08-380

Japheth Wood* (jwood@bard.edu), Bard College MAT Program, P.O. Box 5000,
Annandale-on-Hudson, NY 12504-5000. *Minimal generating band semigroups*. Preliminary report.

The structure of the lattice of varieties of band semigroups was discovered in the early 1970s by Biryukov, Fennemore and Gerhard. In addition, Gerhard found subdirectly irreducibles that generate each join irreducible subvariety, and asked whether these were the smallest such generating algebras. We present the result of recent research to resolve this question. (Received September 10, 2006)