

1023-06-408

John W. Snow* (jsnow@shsu.edu), Department of Mathematics and Statistics, Sam Houston State University, Huntsville, TX 77341-2206, and **Eric J. Martin.** *Characterizing Lattice Terms.* Preliminary report.

We will introduce some possible properties of operations on finite lattices and will prove that for finite lattices in the varieties generated by some familiar lattices (M_3 and N_5 for example) some or all of these properties completely determine all term operations.

We will then mention possible applications of these results to some problems concerning congruence lattices. (Received September 12, 2006)