

Meeting: 999, Nashville, Tennessee, SS 4A, Special Session on Universal Algebra and Lattice Theory

999-06-224 **J. B. Nation*** (jb@math.hawaii.edu), Department of Mathematics, University of Hawaii,
Honolulu, HI 96822. *Join prime elements in join semidistributive lattices.* Preliminary report.

In a finite join distributive lattice, the greatest element 1 is a join of join prime elements. We consider various conditions under which this conclusion holds in an infinite complete lattice. (Received August 23, 2004)