

1089-08-350

Alexander Wires* (alexander.d.wires@vanderbilt.edu), 1326 Stevenson Center, Vanderbilt University, Nashville, TN 37240. *A disjunction characterizing varieties with a weak difference term.* Preliminary report.

We provide a characterization for varieties with a weak difference term similar to the disjunction given for congruence meet-semidistributive varieties established by Ross Willard in “A finite basis theorem for residually finite, congruence meet-semidistributive varieties”(2000). We consider some applications of the characterization including new proofs of some well-known results. (Received February 19, 2013)