1151-05-269   **Chris Eppolito*** (`eppolito@math.binghamton.edu`), Binghamton University, Department of Mathematical Sciences. *Obstructions to Vector Elimination in Matroids Over Hyperfields.* Preliminary report.

In her paper introducing H-covectors, L. Anderson asks for more robust covector axioms including notions of composition and elimination. We show this goal cannot be achieved for all hyperfields, exhibiting various hyperfields for which these and other axiom systems fail; time permitting, we discuss obstructions to pushing classical proofs of elimination-type results to the general setting. (Received August 20, 2019)