

1057-13-374

Will Traves* (traves@usna.edu) and **Max Wakefield**. *Subspace arrangements yearning for freedom*. Preliminary report.

Free hyperplane arrangements are an active area of research. When one of the subspaces in the arrangement has higher codimension the arrangement cannot be free. We define derivation radical subspace arrangements to share many of the properties of free arrangements and investigate the combinatorial and algebraic properties of derivation radical subspace arrangements. (Received January 26, 2010)