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**Jeremiah Bartz\*** (jbartz@fmarion.edu). *Bounds on Induced Multinets.*

Multinets are certain configurations of lines and points with multiplicity in the complex projective plane  $\mathbb{P}^2$ . They appear in the study of resonance varieties of complex hyperplane arrangement complements. Very few examples of multinets with non-trivial multiplicities are known. Many such examples can be induced by intersecting the generalization of multinets in  $\mathbb{P}^3$  with planes. In this talk, we will discuss bounds on the number of points with non-trivial multiplicities for these induced multinets. (Received September 15, 2014)