

1113-52-21

Jeremiah D Bartz* (jbartz@fmarion.edu), Francis Marion University, Department of Mathematics, PO Box 100547, Florence, SC 29502. *Complete 3-nets*.

Nets are certain configurations of lines and points in the complex projective plane. They appear in the study of resonance varieties of complex hyperplane arrangement complements. In this talk, we give a classification of complete 3-nets, a family of nets which satisfy an additional property, and their connections with $K(\pi, 1)$ arrangements. (Received May 31, 2015)