
JEREMIAH BARTZ, University of North Dakota

Induced and Complete Multinets

Multinets are certain configurations of lines and points with multiplicities in the complex projective plane. They appear in the study of resonance and characteristic varieties of complex hyperplane arrangement complements and cohomology of Milnor fibers. We investigate two properties of multinets, inducibility and completeness, and the relationship between with several examples presented. The main result is the classification of complete 3-nets.