1053-14-191   **vehbi e paksoy*** (`vp80@nova.edu`), Farquhar College of Arts and Sciences, Division of Math, Science and Technology, 3301 College Avenue, Ft. Lauderdale-Davie, FL 33314. *A criterion to determine Fano polygon spaces in $\mathbb{R}^3$.*

A projective manifold is called Fano, if its anti-canonical bundle is ample. In this presentation, we give a combinatorial method to determine if a given moduli space of spatial polygons with given side lenghts is Fano. We will use the equivalence between the space of spatial polygons and the configuration space of weighted points on complex projective line $\mathbb{CP}^1$ (Received September 03, 2009)

1