

1046-51-1013 **Oscar Vega*** (ovega@csufresno.edu), Department of Mathematics, California State University, Fresno, 5245 North Backer Avenue M/S PB 108, Fresno, CA 93740-8001. *Flat flocks and generalized j -planes.*

In this talk we will see how generalized j -planes, a new class of finite translation planes, yield partitions of the Segre variety $\mathcal{S}_{n,n}$ into Veroneseans \mathcal{V}_n . These partitions, sometimes called flat flocks and that generalize flocks of $Q^+(3, q)$, first appeared in 2001 in an article by Bader, Cossidente and Lunardon. They were later linked, in 2005, to translation planes by Jha and Johnson. (Received September 13, 2008)