

## GOLDIFLOCKS AND THE THREE BAERS

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ABSTRACT. This lecture illustrates the very many interconnections between various types of finite geometric incidence structures. There seems to be an "invisible thread" that somehow runs from a "flock of a quadratic cone," (a covering of a cone in projective 3-space by conics) to diverse point-line systems such as "generalized quadrangles," "translation planes" admitting "regulus-inducing" elation or homology groups, or to "hyperbolic fibrations," (coverings of projective space by hyperbolic quadrics). A wonderful "golden" thread is interwoven between flocks and finite nets admitting at least Baer subplanes.

The only prerequisites for this talk are curiosity and a sense of humor.

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