1086-05-1808 **Oscar Vega*** (ovega@csufresno.edu), Department of Mathematics, California State University, Fresno, Fresno, CA 93740-8001. *Pancyclicity in Finite Projective Planes.*

We define the embedding of a k-cycle into a finite projective plane π to be equivalent to $Levi(\pi)$ containing a $(2k)$-cycle, where $Levi(\pi)$ is the plane's Levi graph. We then use geometric techniques to prove that $Levi(\pi)$ necessarily contains $(2k)$-cycles, for all $3 \leq k \leq q^2 + q + 1$, and for all finite projective plane π.

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