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**Samuel R Kaplan\*** ([skaplan@unca.edu](mailto:skaplan@unca.edu)), One University Heights, CPO#2350, Asheville, NC 28804. *Solar System Formation and Co-orbital Dynamics*. Preliminary report.

The standard model for solar system formation suggests planetary orbits should be nearly circular. However, growing data about exoplanets suggests a wider distribution of eccentricity than is accounted for in the standard model. In this talk we explore the possibility that co-orbital dynamics plays a role in final planetary eccentricity. Note that we say two bodies orbiting a central mass at nearly the same radius are co-orbital. (Received September 07, 2012)