1056-05-1775 Desiree Masters* (masters.tdm@gmail.com), Ryan Bunge, Saad El-Zanati, Theresa Kamykowski and Isai Almeida-Arrieta. On Cyclic Cycle Plus a Chord Designs.
Let $G$ be the graph consisting of a cycle of length $n-1$ plus a chord $e$. We investigate necessary and sufficient conditions for the existence of cyclic $G$-decompositions of the 2-fold complete multigraph ${ }^{2} K_{n x+1}$ for every positive integer $x$. These results were obtained at an REU Site for Pre-service and In-service Secondary Mathematics Teachers at Illinois State University. (Received September 22, 2009)

