1014-05-1089 Darren B Parker\* (dbparker@udayton.edu), Department of Mathematics, 300 College Park, Dayton, OH 45469-2316, Randy F Westhoff, 1500 Birchmont Dr. NE, Bemidji, MN 56601, and Marty J Wolf, 1500 Birchmont Dr. NE, Bemidji, MN 56601. Cycles in Bipartite Tournaments. Preliminary report.

In 1966, J.W. Moon proved that, in a strong tournament of order n, every vertex is in a k-cycle, where  $3 \le k \le n$ . We consider analogous results in bipartite tournaments. When we consider a tournament as a convex structure under 2-path convexity, it has rank 2. Thus, we consider bipartite tournaments of rank 2. Let T be a bipartite tournament of rank 2 with partite sets  $P_1$  and  $P_2$ . We prove that every vertex in T is in a 2k-cycle, where  $2 \le k \le \max\{|P_1|, |P_2|, 6\}$ . (Received September 27, 2005)