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**Saad I El-Zanati\*** (saad@ilstu.edu), Campus Box 4520, Mathematics Department, Illinois State University, Normal, IL 61790-4520. *On digraph labelings and cyclic digraph decompositions.*

It is known that an ordered  $\rho$ -labeling of a bipartite graph  $G$  with  $n$  edges yields a cyclic  $G$ -decomposition of  $K_{2nx+1}$  for every positive integer  $x$ . We extend the concept of an ordered  $\rho$ -labeling to bipartite digraphs and show that an ordered directed  $\rho$ -labeling of a bipartite digraph  $D$  with  $n$  arcs yields a cyclic  $D$ -decomposition of  $K_{nx+1}^*$  for every positive integer  $x$ . We also find several classes of bipartite digraphs that admit an ordered directed  $\rho$ -labeling. (Received July 29, 2014)