1097-05-132  **Brian Curtin*** (bcurtin@usf.edu), Department of Mathematics and Statistics, University of South Florida, 4202 E. Fowler Ave. CMC342, Tampa, FL 33620, and **G R Pourgholi** (pourgholi@ut.ac.ir). *Edge-maximality of power graphs of finite cyclic groups.*

The power graph of a finite group is the undirected graph whose vertices are the group elements and two elements are adjacent if one is a power of the other. We discuss our recent work showing that among all finite groups of any given order, the cyclic group of that order has the maximum number of edges in its power graph. (Received January 17, 2014)