1067-05-311   **Peter Richter***, Department of Mathematics, 601 Elmwood Avenue, University of Rochester, Rochester, NY 14642-0002, **Emily Sergel**, Department of Mathematics, Rutgers University, Hill Center for the Mathematical Sciences, 110 Frelinghuysen Rd., Piscataway, NJ 08854-8019, and **Anh Tran**, School of Mathematical Sciences, 85 Lomb Memorial Drive, Rochester Institute of Technology, Rochester, NY 14623. *Rank numbers for generalized ladders, some trees and unicyclic graphs.*

A ranking on a graph is an assignment of positive integers to its vertices such that any path between two vertices of the same rank contains a vertex of strictly larger rank. The rank number of a graph is the fewest number of labels that can be used in a ranking. In this paper we determine rank numbers for cubic ladders, generalized ladder graphs and some trees and unicyclic graphs. (Received August 19, 2010)