1027-05-235   **Randall J Elzinga*** (`elzinga@mast.queensu.ca`), Department of Math and Stats, Jeffery Hall, University Ave., Kingston, Ontario K7L 3N6, Canada. *Upper bounds on the independence number for weighted matrices of graphs.*

We prove a generalization of a well known upper bound on the independence number due to Hoffman to weighted matrices of graphs. (Received February 27, 2007)