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Jonathan Cutler* (jonathan.cutler@montclair.edu), Department of Mathematical Sciences, Montclair State University, One Normal Avenue, Montclair, NJ 07043, and **James Alexander** and **Tim Mink**. *Independent sets in graphs with given minimum degree.*

The enumeration of independent sets in graphs has been the topic of much recent research. Kahn gave an upper bound on the number of independent sets in regular bipartite graphs, and Zhao extended this result to general regular graphs. Galvin recently introduced the study of independent sets in graphs with given minimum degree and, in this talk, we will present some results related to this topic. (Received August 20, 2011)