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Jonathan Cutler* (cutlerjo@mail.montclair.edu), Montclair State University, Dept. of Mathematical Sciences, One Normal Avenue, Montclair, NJ 07030, and **A. J. Radcliffe.** *Extremal problems for counting homomorphisms.*

There is a close connection between graph homomorphisms and a variety of natural graph theoretic notions: independent sets, colorings, etc. There has been some progress recently concerning extremal problems for counting graph homomorphisms. We will discuss some of this work, including the interesting behavior of a specific extremal problem. (Received January 30, 2009)